

2022 - 2023

WEG Automation Catalog

Variable Frequency Drives and Soft Starters



Motors | Automation | Energy | Transmission & Distribution | Coatings

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G1

CFW700

CFW11

CFW11M

PUMP
GENIUSCFW08
WASH

CFW501

CFW701

HVW701

SSW05

EDP11

SSW07

GPH2

SSW900

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SSW06

MFM

SSW
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WARRANTY TERMS FOR WEG AUTOMATION PRODUCTS

(All standard WEG terms and conditions apply to all orders)

WEG Automation products are warranted against defects in workmanship and materials for eighteen (18) months from invoicing date if the following requirements are met:

- Suitable transportation, handling and storage;
- Correct installation within the specified environmental conditions and without the presence of:
 - Direct exposure to sunlight, rain, high humidity, or sea-air
 - Inflammable or corrosive gases or liquids
 - Excessive vibrations
 - Dust, metallic particles, and oil mist
 - See your user manual for additional installation requirements
- Operation within the designed capacity limits
- Performance of scheduled preventive maintenance
- Repairs and/or modifications only made by authorized WEG service, proof required for warranty
- In the case of any deficiency, the equipment must be available for sufficient time for the technician to identify the cause of the failure and undertake the proper repairs
- The purchaser must report any faults immediately so that WEG Automation can verify the workmanship or material failure.

Repair services during the warranty period may be made, at WEG's discretion, at the purchaser's location, at an Authorized Service Center (ASC) if available, or at a WEG Electric facility. WEG may, at their discretion, choose to pay for disassembling and assembling services, product or part transportation costs, travel tickets, hotel accommodations, food expenses and overtime of service employees, when the services are performed at the customer's facilities. Fuses and other components in which the useful life in normal use is shorter than the warranty period are excluded from this warranty. Repairs and /or replacements of parts or products made within the warranty period do not prolong the original warranty period. The warranty is limited to only the supplied product; WEG shall not have any obligation for personal injuries to third parties, damage to other equipment or facilities, loss of profits or consequential damages.

For specifics on the warranty processing, or for a list of devices included in this listing, please contact the Warranty/Service Department at automationtech@weg.net



Return Policy

WEG products that are purchased from our stocking warehouses must be returned within 90 days, freight to be paid by customer. Returned products must be unused, and in undamaged original packaging. If products are ordered incorrectly by the customer and need to be returned to stock, then a 20% re-stocking charge will be applied. If the returned products are deemed not to be in unused, undamaged condition, or in original packaging, then additional fees will be applied (up to and including full price of item). Returns on any modified products will not be allowed. Any products that are ordered as specials (with features that would not allow them to be stocked items) cannot be returned.

- CFW100
- CFW300
- CFW500 G2
- CFW500 G1
- CFW700
- CFW11
- CFW11M
- PUMP GENIUS
- CFW08 WASH
- CFW501
- CFW701
- HVW701
- SSW05
- SSW07 EDP11
- SSW900 GPH2
- SSW06 TPH2
- SSW 7000 MFM



OPTIMAL MATCH WARRANTY

WEG Optimal Match Warranty is a thirty six (36) month warranty available when a WEG low voltage motor is applied with a WEG low voltage drive or soft starter. In order to qualify for this warranty, the products must be registered and approved by WEG's warranty department using this Optimal Match Warranty form. This offer is only available in the US.

The following products and combinations are eligible for the Optimal Match Warranty:

- Drives and motors that qualify for this Optimal Match Warranty are W22 motors coupled with CFW11 up to 600HP (720A); all CFW100, CFW300, CFW500/501, CFW700/701; and CFW08 drives.
- Soft starters and motors that qualify for this Optimal Match Warranty are W22 motors coupled with SSW06 up to 700HP (820A); all SSW05, SSW07 and SSW900 soft starters.

When the drive or soft starter is invoiced on the same date as the motor, the Optimal Match Warranty will be eligible on the invoice date, however the Optimal Match Warranty request (this form) must be sent within 180 days of purchase.

When the drive or soft starter is invoiced on a different date as the motor, the following conditions apply to be eligible for the Optimal Match Warranty:

- The Optimal Match Warranty shall be started from the first invoice date (Drive, Soft Starter or Motor).
- The Optimal Match Warranty request (this form) must be sent within 180 days from the date of the later product purchase.
- The dates of the original invoices of both products cannot be over than 90 days apart.
- Maximum warranty period will be 36 months total from the date of the earlier original product invoice.

Please fill in the following information completely; otherwise this application will be void. Please send this form to automationtech@weg.net or fax it to WEG Service department at 678.249.1171.

CUSTOMER INFORMATION	
DATE:	ACCOUNT No.:
COMPANY:	PHONE:
CONTACT:	EMAIL:
LOCATION OF APPLICATION	
STREET:	
CITY / STATE / ZIP:	
ORDER INFORMATION	
DRIVE / SOFT STARTER PURCHASE DATE:	ORDER No.:
MOTOR PURCHASE DATE:	ORDER No.:
PRODUCT INFORMATION	
DRIVE or SOFT STARTER	MOTOR
MODEL No.:	MODEL No.:
SERIAL No.:	SERIAL No.:

WEG ELECTRIC FORM: WSD-BB010-VERSION 4

General Information

CFW100

CFW300

CFW500 G2

CFW500 G1

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

EDP11

SSW07

GPH2

SSW900

TPH2

SSW06

MFM

SSW 7000



HP	RPM	Frame	Voltage	Soft Starter Enclosure Rating: IP00 / IP20		Variable Frequency Drive Enclosure Rating: IP20	
				Motor Wired for 230V	Motor Wired for 460V	Motor Wired for 230V	Motor Wired for 460V
0.25	3600	56	208-230/460			CFW100A01P6S220G2	CFW500A01P0T4NB20G2
	1800	56	208-230/460			CFW100A01P6S220G2	CFW500A01P0T4NB20G2
0.33	3600	56	208-230/460			CFW100A01P6S220G2	CFW500A01P0T4NB20G2
	1800	56	208-230/460			CFW100A01P6S220G2	CFW500A01P0T4NB20G2
0.5	3600	56	208-230/460			CFW100B02P6S220G2	CFW500A01P6T4NB20G2
	1800	56	208-230/460			CFW100B02P6S220G2	CFW500A01P6T4NB20G2
	1200	56	208-230/460			CFW100B02P6S220G2	CFW500A01P6T4NB20G2
0.75	3600	56	208-230/460			CFW100C04P2S220G2	CFW500A01P6T4NB20G2
	1800	56	208-230/460			CFW100C04P2S220G2	CFW500A01P6T4NB20G2
	1200	56	208-230/460			CFW100C04P2S220G2	CFW500A01P6T4NB20G2
1	3600	56	208-230/460			CFW100C04P2S220G2	CFW500A02P6T4NB20G2
	1800	56	208-230/460			CFW100C04P2S220G2	CFW500A02P6T4NB20G2
	1800	143T	208-230/460			CFW100C04P2S220G2	CFW500A02P6T4NB20G2
	1200	56	208-230/460			CFW100C04P2S220G2	CFW500A02P6T4NB20G2
	1200	145T	208-230/460			CFW100C04P2S220G2	CFW500A02P6T4NB20G2
1.5	3600	143T	208-230/460	SSW050010T2246TPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20G2
	1800	56	208-230/460	SSW050010T2246TPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20G2
	1800	145T	208-230/460	SSW050010T2246TPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20G2
	1200	182T	208-230/460	SSW050010T2246TPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20G2
2	3600	145T	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20G2
	1800	56	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20G2
	1800	145T	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20G2
	1200	184T	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20G2
3	3600	182T	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW500B10P0B2DB20G2	CFW500B06P5T4DB20G2
	1800	182T	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW500B10P0B2DB20G2	CFW500B06P5T4DB20G2
	1200	213T	208-230/460	SSW050010T2246TPZ	SSW050010T2246TPZ	CFW500B10P0B2DB20G2	CFW500B06P5T4DB20G2
5	3600	184T	208-230/460	SSW050016T2246TPZ	SSW050010T2246TPZ	CFW500B16P0T2DB20G2	CFW500B10P0T4DB20G2
	1800	184T	208-230/460	SSW050016T2246TPZ	SSW050010T2246TPZ	CFW500B16P0T2DB20G2	CFW500B10P0T4DB20G2
	1200	215T	208-230/460	SSW050016T2246TPZ	SSW050010T2246TPZ	CFW500B16P0T2DB20G2	CFW500B10P0T4DB20G2
7.5	3600	213T	208-230/460	SSW050023T2246TPZ	SSW050016T2246TPZ	CFW500C24P0T2DB20G2	CFW500C14P0T4DB20G2
	1800	213T	208-230/460	SSW050023T2246TPZ	SSW050016T2246TPZ	CFW500C24P0T2DB20G2	CFW500C14P0T4DB20G2
	1200	254T	208-230/460	SSW050023T2246TPZ	SSW050016T2246TPZ	CFW500C24P0T2DB20G2	CFW500C14P0T4DB20G2
10	3600	215T	208-230/460	SSW050030T2246TPZ	SSW050016T2246TPZ	CFW500D28P0T2DB20G2	CFW500C16P0T4DB20G2
	1800	215T	208-230/460	SSW050030T2246TPZ	SSW050016T2246TPZ	CFW500D28P0T2DB20G2	CFW500C16P0T4DB20G2
	1200	256T	208-230/460	SSW050030T2246TPZ	SSW050016T2246TPZ	CFW500D28P0T2DB20G2	CFW500C16P0T4DB20G2
15	3600	254T	208-230/460	SSW050045T2246TPZ	SSW050023T2246TPZ	CFW500D47P0T2DB20G2	CFW500D24P0T4DB20G2
	1800	254T	208-230/460	SSW050045T2246TPZ	SSW050023T2246TPZ	CFW500D47P0T2DB20G2	CFW500D24P0T4DB20G2
	1200	284T	208-230/460	SSW050045T2246TPZ	SSW050023T2246TPZ	CFW500D47P0T2DB20G2	CFW500D24P0T4DB20G2
20	3600	256T	208-230/460	SSW050060T2246TPZ	SSW050030T2246TPZ	CFW500E56P0T2DB20G2	CFW500D31P0T4DB20G2
	1800	256T	208-230/460	SSW050060T2246TPZ	SSW050030T2246TPZ	CFW500E56P0T2DB20G2	CFW500D31P0T4DB20G2
	1200	286T	208-230/460	SSW050060T2246TPZ	SSW050030T2246TPZ	CFW500E56P0T2DB20G2	CFW500D31P0T4DB20G2



HP	RPM	Frame	Voltage	Soft Starter Enclosure Rating: IP00 / IP20		Variable Frequency Drive Enclosure Rating: IP20	
				Motor Wired for 230V	Motor Wired for 460V	Motor Wired for 230V	Motor Wired for 460V
25	3600	284TS	208-230/460	SSW050085T2246TPZ	SSW050045T2246TPZ	CFW700C70P0T2DB20	CFW500E39P0T4DB20
	1800	284T	208-230/460	SSW050085T2246TPZ	SSW050045T2246TPZ	CFW700C70P0T2DB20	CFW500E39P0T4DB20
	1200	324T	208-230/460	SSW050085T2246TPZ	SSW050045T2246TPZ	CFW700C70P0T2DB20	CFW500E39P0T4DB20
30	3600	286TS	208-230/460	SSW050085T2246TPZ	SSW050045T2246TPZ	CFW700D86P0T2DBN1	CFW500E49P0T4DB20
	1800	286T	208-230/460	SSW050085T2246TPZ	SSW050045T2246TPZ	CFW700D86P0T2DBN1	CFW500E49P0T4DB20
	1200	326T	208-230/460	SSW050085T2246TPZ	SSW050045T2246TPZ	CFW700D86P0T2DBN1	CFW500E49P0T4DB20
40	3600	324TS	208-230/460	SSW070130T5SZ	SSW050060T2246TPZ	CFW700D0105T2DBN1	CFW700C58P5T4DB20
	1800	324T	208-230/460	SSW070130T5SZ	SSW050060T2246TPZ	CFW700D0105T2DBN1	CFW700C58P5T4DB20
	1200	364T	208-230/460	SSW070130T5SZ	SSW050060T2246TPZ	CFW700D0105T2DBN1	CFW700C58P5T4DB20
50	3600	326TS	208-230/460	SSW070130T5SZ	SSW050085T2246TPZ	CFW700E142T2NB20C3	CFW700D70P5T4DBN1
	1800	326T	208-230/460	SSW070130T5SZ	SSW050085T2246TPZ	CFW700E142T2NB20C3	CFW700D70P5T4DBN1
	1200	365T	208-230/460	SSW070130T5SZ	SSW050085T2246TPZ	CFW700E142T2NB20C3	CFW700D70P5T4DBN1
60	3600	364TS	208-230/460	SSW070171T5SZ	SSW050085T2246TPZ	CFW700E180T2NB20C3	CFW700D88P0T4DBN1
	1800	364T	208-230/460	SSW070171T5SZ	SSW050085T2246TPZ	CFW700E180T2NB20C3	CFW700D88P0T4DBN1
	1200	404T	208-230/460	SSW070171T5SZ	SSW050085T2246TPZ	CFW700E180T2NB20C3	CFW700D88P0T4DBN1
75	3600	365TS	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NB20C3	CFW700E105T4NB20C3
	1800	365T	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NB20C3	CFW700E105T4NB20C3
	1200	405T	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NB20C3	CFW700E105T4NB20C3
100	3600	405TS	208-230/460	SSW070255T5SH1Z	SSW070130T5SZ		CFW700E142T4NB20C3
	1800	405T	208-230/460	SSW070255T5SH1Z	SSW070130T5SZ		CFW700E142T4NB20C3
	1200	444T	208-230/460	SSW070255T5SH1Z	SSW070130T5SZ		CFW700E142T4NB20C3
125	3600	444TS	460	SSW070312T5SH1Z	SSW070171T5SZ		CFW700E180T4NB20C3
	1800	444T	460	SSW070312T5SH1Z	SSW070171T5SZ		CFW700E180T4NB20C3
	1200	445T	460	SSW070312T5SH1Z	SSW070171T5SZ		CFW700E180T4NB20C3
150	3600	445TS	460	SSW070365T5SH1Z	SSW070200T5SZ		CFW700E211T4NB20C3
	1800	445T	460	SSW070365T5SH1Z	SSW070200T5SZ		CFW700E211T4NB20C3
	1200	447T	460	SSW070365T5SH1Z	SSW070200T5SZ		CFW700E211T4NB20C3
200	3600	447TS	460		SSW070255T5SH1Z		CFW110242T4SZ
	1800	447T	460		SSW070255T5SH1Z		CFW110242T4SZ
	1200	447T	460		SSW070255T5SH1Z		CFW110242T4SZ
250	3600	447TS	460		SSW070312T5SH1Z		CFW110312T4SZ
	1800	447T	460		SSW070312T5SH1Z		CFW110312T4SZ
	1200	449T	460		SSW070312T5SH1Z		CFW110312T4SZ
300	3600	449TS	460		SSW070365T5SH1Z		CFW110370T4SZ
	1800	449T	460		SSW070365T5SH1Z		CFW110370T4SZ
	1200	449T	460		SSW070365T5SH1Z		CFW110370T4SZ

CFW100-G2 (GENERATION-2)

CFW100

Technology is at your fingertips with the incredible smallest volume VFD in the market. The CFW100 is a single-phase variable speed drive developed for simple applications ranging from 0.25 to 1 HP. (0.18 kW to 0.75 kW)

A strong partner for OEMs, it gives induction motors a selectable scalar (V/F) or voltage vector control (VVW), HMI and plug and play philosophy, with easy and fast installation and operation.

Standard Features

- Robust - Overload current: 150% for 60 seconds
Ambient temperature: up to 50 °C
- SoftPLC - PLC functions: making it a flexible and optimized solution
- PID Controller - Performance: changes in pressure, flow or other external data
- Communication Protocol - Modbus-RTU and CANopen using plug-in modules
- Conformal Coating as Standard -Increasing the lifetime, protecting the electronic boards against corrosive atmospheres. Classified as 3C2 according to IEC 60721-3-3



Applications

- Food and Beverage
- Small handling
- Air circulation
- Medical and health sector
- Machines with single-phase power source
- New markets (solar, etc.)
- Packaging Lines
- Sorting Conveyors



CFW100 Catalog Number Sequence

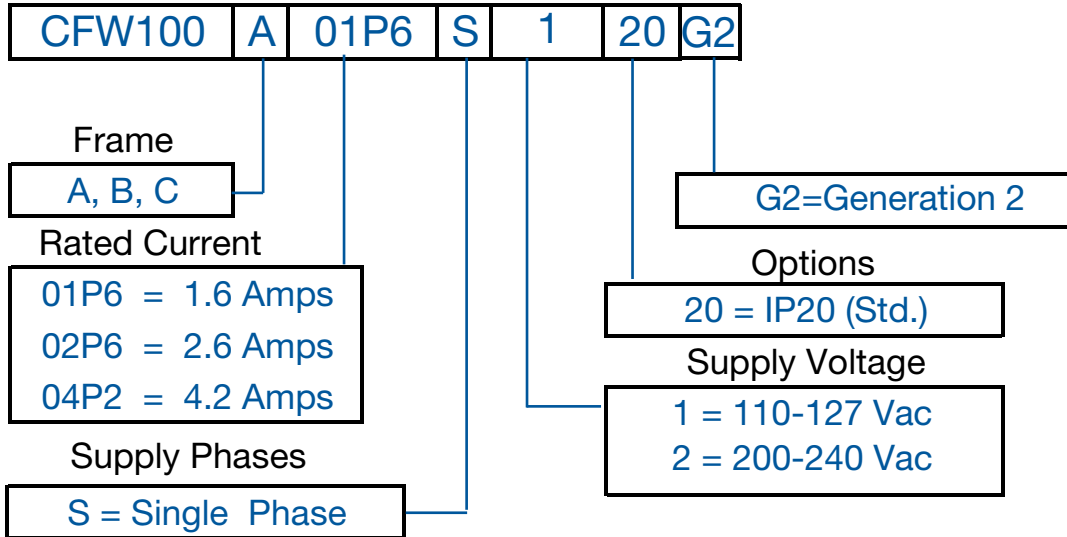


Table intended as reference and not to create part numbers.

CFW100 - G2 GENERATION 2 (IP20 Finger Safe Enclosure)

Motor Voltage	Motor HP ¹	Drive Amps ²	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
230 Vac Three Phase	Input Power Supply: Single-Phase 120 Vac							
	1/4 - 1/3	1.6	CFW100A01P6S120G2	A	4.0 x 2.2 x 5.1	1.1	\$307	V1U (V1)
	3/4	2.6	CFW100B02P6S120G2	B	4.6 x 2.2 x 5.1	1.3	\$335	V1U (V1)
	Input Power Supply: Single-Phase 240 Vac							
	1/4 - 1/3	1.6	CFW100A01P6S220G2	A	4.0 x 2.2 x 5.1	1.1	\$275	V1U (V1)
	3/4	2.6	CFW100B02P6S220G2	B	4.6 x 2.2 x 5.1	1.3	\$296	V1U (V1)
	1	4.2	CFW100C04P2S220G2	C	5.0 x 2.2 x 5.1	1.4	\$315	V1U (V1)

1) "HP" rating based on "average FLA values". Use as a guide only.

2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive. For other technical data please refer to WEG product manual.

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
CFW Accessories					
I/O	CFW100-IOAR	CFW100 I/O Expansion Module - 1 AI, 1 DO	0.2	\$81	V1U (V1)
I/O	CFW100-IOA	CFW100 I/O Expansion Module - 1 AI, 1 AO	0.2	\$99	V1U (V1)
I/O	CFW100-IOD	CFW100 I/O Exp. Module - 4 DI, PNP or NPN	0.2	\$82	V1U (V1)
I/O	CFW100-IODR	CFW100 I/O Exp. and Encoder Module - 3DI, 3DOR	0.2	\$220	V1U (V1)
I/O	CFW100-IOP	CFW100 Potentiometer Module ⁴	0.2	\$90	V1U (V1)
InfraRed	CFW100-IOADR	I/O Exp. and InfraRed Comm. Module 1 - 1AI, 3DOR ¹	0.4	\$207	V1U (V1)
USB Card	CFW100-CUSB	CFW100 USB Communication Module ²	0.2	\$87	V1U (V1)
RS485 Card	CFW100-CRS485	CFW100 RS-485 Communication Module	0.2	\$82	V1U (V1)
CANopen Card	CFW100-CCAN	CFW100 CANopen and DeviceNet Comm. Module	0.2	\$195	V1U (V1)
Flash Memory Module	CFW100-CFW300-MMF	CFW100/300 Flash Memory Module	0.4	\$210	GA (V1)
Remote Keypad Kit	CFW100-KHMIR	CFW100 Remote Keypad Kit ³	0.4	\$256	V1U (V1)
RFI Filter Kit	CFW100-KFABC-S1	RFI Filter Kit - 110 V	0.7	\$126	V1U (V1)
	CFW100-KFABC-S2	RFI Filter Kit - 220 V	0.7	\$90	V1U (V1)

1) CFW100-IOADR includes InfraRed receiver with 1.5 meter cable and InfraRed remote control

2) CFW100-USB Communication Module includes 2-meter Mini-USB cable

3) CFW100-KHMIR Remote Keypad Kit includes Remote Keypad: CFW100-CRS485 module; 3-meter Mini-USB cable

4) CFW100-IOP works only with CFW100 G2 drives.

CFW100 Option Module	Option Module I/O Table								
	DI ¹	AI	AO	DOR	Encoder	Infrared	USB	RS485	CANopen
CFW100-IOAR		1		1					
CFW100-IOA		1	1						
CFW100-IOD	4								
CFW100-IODR	3			3	1				
CFW100-IOADR		1		3		1			
CFW100-IOP		1 (POT)							
CFW100-CUSB							1		
CFW100-CRS485								1	
CFW100-CCAN									1

1) CFW100 Drive includes 4DI as standard. Option Modules provide supplemental I/O as shown in this table.

Technical Data

Power Supply	Voltage	Single Phase	200-240 Vac (+10%, -15%) 110-127 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.97	
Enclosure	Degree of Protection	IP20	
Control	Control Mode	V/Hz (Scalar)	
		Voltage Vector VVV	
	Power Output	IGBT Transistors	
		Sinusoidal PWM (Space Vector Modulation)	
	Switching Frequency	2.5, 5, 10 or 15kHz (5kHz Default)	
	Frequency Range	0-300 Hz, 0.1 Hz resolution	
Overload Capacity	150% for 60 seconds, repeatable every 6 min.		
Control Inputs and Outputs	4 programmable 24Vdc isolated digital inputs (other I/O configurations with option cards)		
Safety	Protections	Output phase-to-phase short circuit	DC link over voltage
		Output phase-to-ground short circuit	DC link under voltage
		IGBT peak over current	Drive over temperature
		Programming error	External fault
		Motor Overload	
	Standards	UL 508C; UL 840; EN 61800-5-1; EN 50178; EN 60204-1; EN 60146 (IEC 146); EN 61800-2	
Ambient	Temperature	32°F (0°C), up to 122°F (50°C) without output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m); Up to 13,200 ft (4000m) with 1% derating of rated output current per 330ft (100m) above 3300 ft (1000m) elevation	
Regulatory Conformance	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility, Industrial Environment EMC Emission and Immunity	
	ENC61800-3 for the FA version - optional		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508C; UL 50, UL840	Power Conversion Equipment	
Special Functions	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current limit, 8 present speeds and JOG, PID Controller		
Keypad with HMI	3 digit LCD display and 4 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), value proportional to frequency (Ex: RPM), heatsink temperature, fault and status messages.		
Mounting	DIN Rail mounting		
Communications	Modbus-RTU	CFW100-CRS485 Optional Plug-in Module	
	CANopen/Devicenet	CFW100-CCAN Optional Plug-in Module	
Connectivity	USB	CFW100-CUSB Optional Plug-in Module	

CFW300

CFW300

The CFW300 variable frequency drive is a high-performance VFD for three-phase induction motors. It is ideal for applications on machines or equipment that require precise control with easy setup and operation.

The CFW300 features a compact size with contactor-style electrical connections (top in / bottom out). The VFD's performance can be scaled to match the application by selecting WEG vector control (VVW) or scalar control (V/F). The CFW300 includes built-in operator interface (HMI) and SoftPLC with free WPS programming software for custom tailored control schemes. A variety of plug-in option modules for additional I/O and communications protocols may be added to provide extended capabilities, making the CFW300 a flexible and cost effective solution for your variable speed requirements.



Standard Features

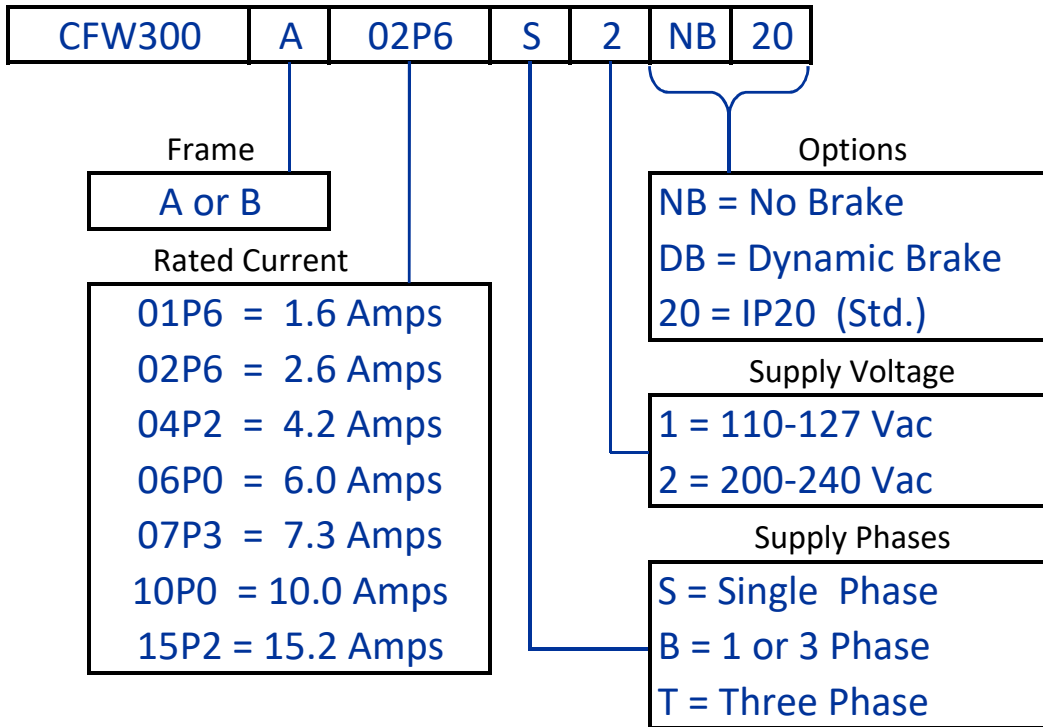
- Single and three-phase voltage supply
- Din rail or surface mounting with screws
- Voltage range: • 110-127 Vac and 200-240 Vac for single-phase models
 - 200-240 Vac for three-phase models
- Current / Power range: up to 15.2 Amps / 3.7 kW (5 HP)
- Control mode: Scalar (V/Hz) or Voltage Vector (VVW)
- Switching frequency: 2.5, 5, 10 or 15kHz
- Overload capacity: 150% for 60 sec. every 10min, 200% for 3 sec. every 10min.
- Degree of protection: IP20
- Operating temperature: 14 • 122°F (50°C); up to 140°F (60°C) with current derating (2% per 1°C above 50°C)
- Altitude: 0 • 3300 ft. (1000m); up to 13,200 ft. (4000m) with current derating (1% per 100m above 1000m)
- Humidity: 5 to 95% non-condensing
- Integrated brake chopper for frame size B (not available for size A)
- Local keypad supplied as standard

Applications

- Centrifugal pumps
- Fans / Blowers
- Blenders / Mixers
- Centrifuges
- Compressors
- Conveyors
- Roller Tables
- Granulators
- Commercial Dryers
- Rotary Filters



CFW300 Catalog Number Sequence



CFW300

IP20 Enclosure

CFW300

Motor Voltage	Motor HP ¹	Drive Output Amps ²	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight Lbs. (KG)	List Price	Multiplier New (Old)	
Input Power Supply: Single-Phase 110-127 Vac										
230 Vac / 3 Phase	1/4 or 1/3	1.6	CFW300A01P6S1NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$361	V1M (V1)	
	3/4	2.6	CFW300A02P6S1NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$394	V1M (V1)	
	1	4.2	CFW300A04P2S1NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$420	V1M (V1)	
	2	6.0	CFW300A06P0S1NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$507	V1M (V1)	
	Input Power Supply: Single-Phase 200-240 Vac									
	1/4 or 1/3	1.6	CFW300A01P6S2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$323	V1M (V1)	
	3/4	2.6	CFW300A02P6S2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$348	V1M (V1)	
	1	4.2	CFW300A04P2S2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$371	V1M (V1)	
	2	6.0	CFW300A06P0S2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$461	V1M (V1)	
	2	7.3	CFW300A07P3S2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$543	V1M (V1)	
	3	10.0	CFW300B10P0B2DB20 ³	Yes	B	8.1 x 2.8 x 6.3	3.0 (1.4)	\$648	V1M (V1)	
	Input Power Supply: Three-Phase 200-240 Vac									
1/4 or 1/3	1.6	CFW300A01P6T2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$343	V1M (V1)		
3/4	2.6	CFW300A02P6T2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$376	V1M (V1)		
1	4.2	CFW300A04P2T2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$399	V1M (V1)		
2	6.0	CFW300A06P0T2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$484	V1M (V1)		
2	7.3	CFW300A07P3T2NB20	No	A	6.3 x 2.8 x 5.9	2.0 (0.9)	\$571	V1M (V1)		
3	10.0	CFW300B10P0B2DB20 ³	Yes	B	8.1 x 2.8 x 6.3	3.0 (1.4)	\$648	V1M (V1)		
5	15.2	CFW300B15P2T2DB20	Yes	B	8.1 x 2.8 x 6.3	3.0 (1.4)	\$792	V1M (V1)		

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 3) CFW300B10P0B2DB20 is capable of Single-Phase input without derating.
- For other technical data please refer to WEG product manual.

Options and Accessories¹

Type	CATALOG NUMBER	Slot	Description	Approx. Wt. (lbs.)	List Price	Multiplier New (Old)
RS485 Card	CFW300-CRS485	1	RS-485 Module; 1 RS-485 Input (Modbus-RTU), 1 Mini USB for Remote Keypad	0.2	\$82	V1M (V1)
RS232 Card	CFW300-CRS232	1	RS-232 Communication Module (Modbus-RTU); 1 RS232	0.2	\$82	V1M (V1)
CANopen Card	CFW300-CCAN	1	CANopen/DeviceNet Comm. Module; 1 CAN/DeviceNet, External 24vdc Power	0.2	\$100	V1M (V1)
Profibus DP Card	CFW300-CPDP	1	Profibus DP Communication Module; 1 Profibus DP 9-Pin Connector	0.2	\$294	V1M (V1)
USB Card	CFW300-CUSB	1	USB Communication Module w/ 2-meter Cable; 1 Mini USB	0.2	\$87	V1M (V1)
Ethernet/IP / Modbus TCP	CFW300-CETH	1	Modbus TCP and ethernet/IP Communication Module ³	0.2	\$280	V1M (V1)
Potentiometer Card	CFW300-IOP	1	CFW300 Potentiometer Reference Module ⁴	0.2	\$90	V1M (V1)
Remote Keypad	CFW300-KHMIR	1	Remote Keypad; Includes CFW300-CRS485 and 3-meter Cable	0.4	\$256	V1M (V1)
I/O ²	CFW300-IOAR	2	I/O Expansion Module; 1 AI, 1 AO, 3 DOR, +10vdc	0.2	\$141	V1M (V1)
I/O ²	CFW300-IODR	2	I/O Expansion Module; 4 DI, 3 DOR	0.2	\$108	V1M (V1)
I/O ²	CFW300-IOAENC	2	I/O and Encoder Module; 1 AI, 2 AO, +10vdc, 1 Incremental Encoder Input +5vdc	0.2	\$143	V1M (V1)
I/O ²	CFW300-IOADR	2	I/O Expansion Module; 1 NTC Sensor Input, 3 DOR ⁵	0.2	\$207	V1M (V1)
I/O ²	CFW300-IODF	2	I/O Expansion Module: 3 Pulse/frequency Input & 3 Pulse/ Frequency output (10 hz to 3000 hz) ⁶	0.2	\$115	V1M (V1)
Flash Memory Module	CFW100-CFW300-MMF	-	CFW100/300 Flash Memory Module	0.2	\$210	GA (V1)
RFI Filter Kit – Fr. A	CFW300-KFA-S1-S2	-	CFW300 RFI Filter Kit – Frame Size A - SINGLE PHASE INPUT MODELS ONLY (110V-240V)	0.3	\$90	V1M (V1)
RFI Filter Kit – Fr. B	CFW300-KFB-S2	-	CFW300 RFI Filter Kit – Frame Size B - SINGLE PHASE INPUT MODELS ONLY (200-240V)	0.3	\$105	V1M (V1)

Notes:

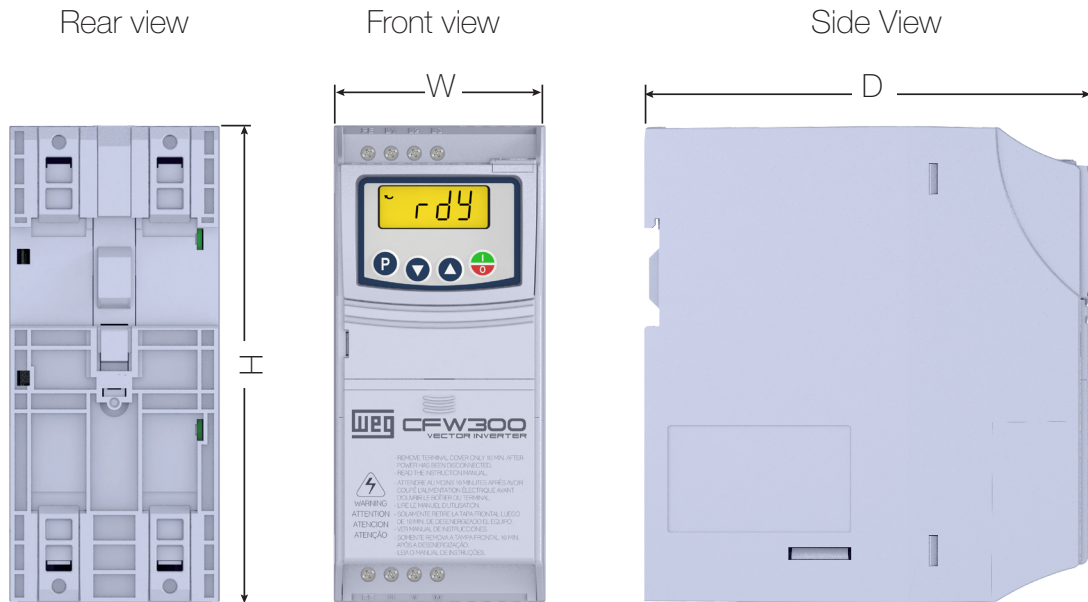
- 1) Up to Qty. (1) I/O Expansion Module plus Qty. (1) Communication Module can be added to the CFW300 VFD.
- 2) Option I/Os are in addition the standard CFW300 I/O which includes: 4 DI, 1 AI, 1 DOR.
- 3) CFW300-CETH Module only works with CFW300 FM V3.00 or higher.
- 4) CFW300-IOP Module only works with CFW300 FM V2.00 or higher.
- 5) CFW300-IOADR module works with CFW300 FM V3.01 or higher.
- 6) CFW300-IODF module only works with CFW300 FM V1.30 or higher. The I/Os are only accessible through SoftPLC Application.

Option Card I/O Table

CFW300 Option I/O Module	DI	AI	AO	DOR	Encoder	Infrared	FI (SoftPLC only)	FI (SoftPLC only)
CFW300-IOAR		1	1	3				
CFW300-IODR	4			3				
CFW300-IOAENC		1	2		1			
CFW300-IOADR				3		1		
CFW300-IODF							3	3

NOTES:

1) The CFW300 Drive includes 4DI, 1AI & 1 DOR as standard. The Option I/O Modules provide additional I/Os as shown in the above table.



Frame Size IP20	Height in. (mm)	Width in. (mm)	Depth in. (mm)	Weight Lbs. (kg)
A (w/o RFI)	6.3 (157.9)	2.8 (70.0)	5.9 (148.4)	2.0 (0.9)
A (w/RFI)	7.8 (196.0)	2.8 (70.0)	7.5 (190.1)	2.9 (1.3)
B (w/o RFI)	8.1 (198.9)	2.8 (70.0)	6.3 (158.4)	3.0 (1.4)
B (w/ RFI)	9.4 (237.0)	2.8 (70.0)	7.9 (200.1)	4.0 (1.8)

CFW300

Technical Data

Power Supply	Voltage	Single Phase	110-127 Vac (+10%, -15%)
		Single Phase or Three Phase	200-240 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
Output	Voltage	0-230 Vac Three Phase	
	Frequency	0-400 Hz, 0.1Hz Resolution	
Control	Control Modes	Volts per Hertz (Scalar)	
		Sensorless Voltage Vector	
		Sinusoidal PWM (Space Vector Modulation)	
	Switching Frequency	2.5, 5, 10 or 15kHz	
	Frequency Range	0-400 Hz	
	Overload Capacity	150% for 60 seconds, repeatable every 10 min.	
	Control Inputs	4 programmable isolated digital inputs, NPN or 24Vdc logic (PNP) 1 programmable differential analog input; programmable for current or voltage	
Control Outputs	1 programmable relay output: One NO/NC (Form C) 250 Vac / 0.5 A		
Communication	Field Bus	Optional modules for RS-485, RS-232, CANopen, DeviceNet, Profibus-DP, USB	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Enclosure	Degree of Protection	IP20	
	Mounting	Surface mounting with screws or DIN rail mounting	
Ambient	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m) Up to 13,200 ft (4000m) with 1% / 330ft (100m) output current derating	
Regulatory Conformance	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility – Industrial Environment EMC Emission and Immunity with optional filter	
	ENC61800-2, 3, 5-1 ENC61800-4-2, 3, 4, 5, 6		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508C, UL 840, UL 50	Electrical Equipment standards	
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current		
Keypad	4 digit LCD display and 4 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), fault and status messages		

CFW500-G2 (GENERATION-2)

The CFW500 has advanced technology plug and play options, developed for fast commissioning, providing great flexibility and competitive advantage while offering excellent performance and reliability. Designed for exclusively industrial or professional use, perfect for OEM, system integrators, panel installers and End Users providing great benefit from the added value. With Generation-2 (G2), the CFW500 drives now offer more features in the same footprint as Generation-1 drives. The power range of CFW500-IP20-G2 drive is now extended to 75HP @ 230VAC and 175HP @ 460VAC. The CFW500-G2 drive also is also available in IP66/ NEMA4X Washdown enclosure which is rated for indoor and outdoor installation in direct sunlight.

Standard Features

- Same programming as other WEG VFDs including CFW500-Generation-1 drives.
- Built-in SoftPLC.
- Scalar, Vector Control (Senseless and closed loop with encoder feedback) & VVW PM (suitable for fan, Pump and compressor).
- IP20 & NEMA1 (with NEMA1 kit) Enclosure.
- NEMA 4X (IP66) Washdown Enclosure with and without disconnect switch, suitable for indoor and outdoor use (in direct sunlight).
- 200-240V, 380-480V or 500-600 input voltage.
- Heavy Duty rated - 150% current overload capacity.
- 0 to 500 Hz output frequency.
- 2.5 to 15 kHz adjustable switching frequency (5 kHz standard)
- Built-in 24Vdc Power supply (max. 150 mA).
- Built-in RS-485 (Modbus RTU) communication.
- Four isolated programmable digital inputs.
- One programmable relay output (1NO, 1NC, 240vac 0.5A).
- One programmable transistor output.
- One isolated programmable analog input (0-10V, 0/4-20mA).
- One isolated programmable analog output (0-10V, 0/4-20mA).
- Optional Safe Torque off Module.
- Pump Genius – Simplex, Multiplex (up to three pumps in parallel) like CFW11 Pump Genius.
- WLP and WPS compatible.



For Indoor / Outdoor Use

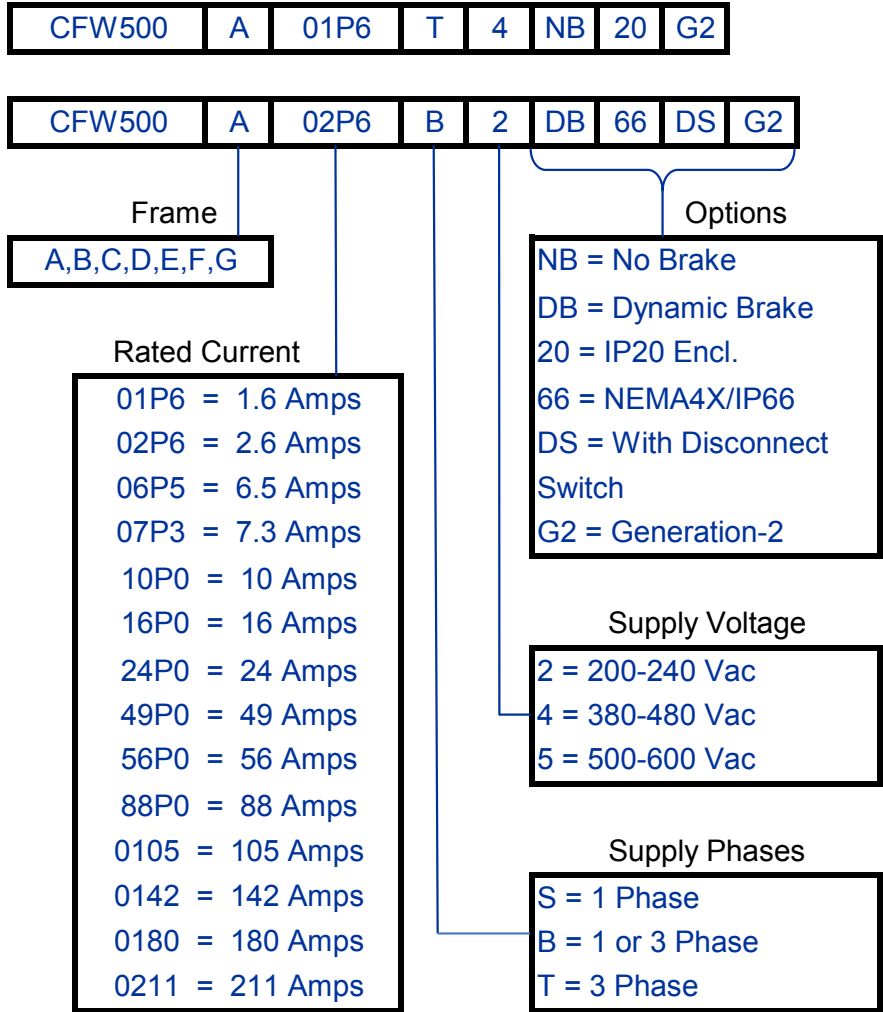


Applications

- | | |
|--------------------|---------------------|
| • Pumps | • Commercial dryers |
| • Fans/ventilators | • Extruders |
| • Blowers | • General machinery |
| • Conveyors | • Agitators |
| • Rollout tables | • Any washdown |
| • Mixers/Blenders | (for NEMA4X/IP66) |



CFW500-G2 Catalog Number Sequence



CFW500
G2



CFW500 - IP20 - G2 (GENERATION-2) IP20 Finger Safe Enclosure

CFW500
G2

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size ⁴	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac / 3 Phase	Input Power Supply: Single-Phase 200-240 Vac										
	1/3	1.6	1/3	1.6	CFW500A01P6S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$451	V1G (V1)
	3/4	2.6	3/4	2.6	CFW500A02P6S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$463	V1G (V1)
	1 1/2	4.3	1 1/2	4.3	CFW500A04P3S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$499	V1G (V1)
	2	7.3	2	7.3	CFW500A07P0S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$633	V1G (V1)
	Input Power Supply: Single or Three-Phase 200-240 Vac										
	1/3	1.6	1/3	1.6	CFW500A01P6B2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$456	V1G (V1)
	3/4	2.6	3/4	2.6	CFW500A02P6B2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$467	V1G (V1)
	1 1/2	4.3	1 1/2	4.3	CFW500A04P3B2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$506	V1G (V1)
	2	7.3	2	7.3	CFW500B07P3B2DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$678	V1G (V1)
	3	10.0	3	10.0	CFW500B10P0B2DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$789	V1G (V1)
	Input Power Supply: Three-Phase 200-240 Vac										
	2	7.0	2	7.0	CFW500A07P0T2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$628	V1G (V1)
	3	9.6	3	9.6	CFW500A09P6T2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$773	V1G (V1)
	5	16	5	16	CFW500B16P0T2DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$842	V1G (V1)
	7 1/2	24	7 1/2	24	CFW500C24P0T2DB20G2	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,427	V1G (V1)
	10	28	10	28	CFW500D28P0T2DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	\$1,777	V1G (V1)
	10	33	10	33	CFW500D33P0T2DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,146	V1G (V1)
	15	47	15	47	CFW500D47P0T2DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,910	V1G (V1)
	25*	70*	20	56	CFW500E56P0T2DB20G2*	Yes	E	13.8 x 8.7 x 7.6	22.1	\$3,380	V1G (V1)
30	77	25	64	CFW500F77P0T2DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	\$4,150	V1G (V1)	
30	88	30	75	CFW500F88P0T2DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	\$5,200	V1G (V1)	
40	105	30	88	CFW500F0105T2DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	\$7,050	V1G (V1)	
50	145	40	115	CFW500G0145T2NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	\$8,500	V1G (V1)	
60	180	50	145	CFW500G0180T2NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	\$10,250	V1G (V1)	
75	211	60	180	CFW500G0211T2NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	\$13,500	V1G (V1)	
50	145	40	115	CFW500G0145T2DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	\$9,095	V1G (V1)	
60	180	50	145	CFW500G0180T2DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	\$10,965	V1G (V1)	
75	211	60	180	CFW500G0211T2DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	\$14,445	V1G (V1)	

Notes:

- 1) ND (Normal Duty) / VT (Variable Torque): 110% Overload / 60 Sec;
HD (Heavy Duty) / CT (Constant Torque): 150% Overload / 60 Sec;
- 2) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) Frame Size A to D are rated for 50°C.
* Frame Size-E needs to have Firmware Version 3.7x or higher to be used as Normal Duty.
* Frame Size-E is rated for 40°C if used as Normal Duty (ND/VT) & 50°C if used as heavy Duty (HD/CT).
Frame-F is rated for 40°C.
Frame-G is rated for 45°C.
CFW500 Frame-F & G VFDs have built in Dual DC Bus Chokes.

Variable Frequency Drives



CFW500-G2

CFW500 - IP20 - G2 (GENERATION-2)

IP20 Finger Safe Enclosure

CFW500
G2

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size ⁴	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
Input Power Supply: Three-Phase 380-480 Vac											
460 Vac / 3 Phase	1/2	1.0	1/2	1.0	CFW500A01P0T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$582	V1G (V1)
	1	1.6	1	1.6	CFW500A01P6T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$604	V1G (V1)
	2	2.6	2	2.6	CFW500A02P6T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$649	V1G (V1)
	3	4.3	3	4.3	CFW500A04P3T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$799	V1G (V1)
	3	6.1	3	6.1	CFW500A06P1T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	\$982	V1G (V1)
	2	2.6	2	2.6	CFW500B02P6T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$708	V1G (V1)
	3	4.3	3	4.3	CFW500B04P3T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$892	V1G (V1)
	5	6.5	5	6.5	CFW500B06P5T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$1,067	V1G (V1)
	7 1/2	10	7 1/2	10	CFW500B10P0T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	\$1,207	V1G (V1)
	10	14	10	14	CFW500C14P0T4DB20G2	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,495	V1G (V1)
	10	16	10	16	CFW500C16P0T4DB20G2	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,684	V1G (V1)
	15	24	15	24	CFW500D24P0T4DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,229	V1G (V1)
	20	31	20	31	CFW500D31P0T4DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,783	V1G (V1)
	25/30*	45*	25	39	CFW500E39P0T4DB20G2*	Yes	E	13.8 x 8.7 x 7.6	22.1	\$3,346	V1G (V1)
	40*	58.5*	30	49	CFW500E49P0T4DB20G2*	Yes	E	13.8 x 8.7 x 7.6	22.1	\$4,214	V1G (V1)
	50/60	77	40	61	CFW500F77P0T4DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	\$5,700	V1G (V1)
	60/75	88	50	73	CFW500F88P0T4DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	\$7,300	V1G (V1)
	75	105	60/75	88	CFW500F0105T4DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	\$8,900	V1G (V1)
	100/125	142	100	115	CFW500G0142T4NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	\$10,200	V1G (V1)
	150	180	125	142	CFW500G0180T4NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	\$12,500	V1G (V1)
175	211	150	180	CFW500G0211T4NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	\$14,500	V1G (V1)	
100/125	142	100	115	CFW500G0142T4DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	\$10,915	V1G (V1)	
150	180	125	142	CFW500G0180T4DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	\$13,375	V1G (V1)	
175	211	150	180	CFW500G0211T4DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	\$15,515	V1G (V1)	
Input Power Supply: Three-Phase 500-600 Vac											
575 Vac / Phase ⁵	1 1/2	1.7	1 1/2	1.7	CFW500C01P7T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$910	V1G (V1)
	3	3.0	3	3.0	CFW500C03P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$954	V1G (V1)
	3	4.3	3	4.3	CFW500C04P3T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,073	V1G (V1)
	7 1/2	7.0	7 1/2	7.0	CFW500C07P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,276	V1G (V1)
	10	10.0	10	10.0	CFW500C10P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,621	V1G (V1)
	10	12.0	10	12.0	CFW500C12P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,813	V1G (V1)

Notes:

- 1) ND (Normal Duty) / VT (Variable Torque): 110% Overload / 60 Sec;
HD (Heavy Duty) / CT (Constant Torque): 150% Overload / 60 Sec;
- 2) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) Frame Size A to D are rated for 50°C.
* Frame Size-E needs to have Firmware Version 3.7x or higher to be used as Normal Duty.
* Frame Size-E is rated for 40°C if used as Normal Duty (ND/VT) & 50°C if used as heavy Duty (HD/CT).
Frame-F is rated for 40°C.
Frame-G is rated for 45°C.
CFW500 Frame-F & G VFDs have built in Dual DC Bus Chokes.
- 5) All 575V drives are non-stocked items and are still Generation-1 drives, consult WEG for availability.



CFW500 - N4X/IP66 WASHDOWN VFD W/O DISCONNECT SWITCH

Motor Voltage	HD - Motor HP ¹	HD - Drive Amps ²	Catalog Number	Braking Transistor	Frame Size ⁴	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)	
230 Vac / 3 Phase	Input Power Supply: Single or Three-Phase 200-240 Vac									
		1/3	1.6	CFW500A01P6B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$775	V1W (V1)
		3/4	2.6	CFW500A02P6B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$800	V1W (V1)
		1 1/2	4.3	CFW500A04P3B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$850	V1W (V1)
		2	7.3	CFW500A07P3B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$1,015	V1W (V1)
		3	10.0	CFW500A10P0B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$1,095	V1W (V1)
	Input Power Supply: Three-Phase 200-240 Vac									
		5	16	CFW500A16P0T2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$1,350	V1W (V1)
		7 1/2	24	CFW500B24P0T2DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$1,950	V1W (V1)
		10	28	CFW500B28P0T2DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,275	V1W (V1)
		10	33	CFW500B33P0T2DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,675	V1W (V1)
	460 Vac / 3 Phase	Input Power Supply: Three-Phase 380-480 Vac								
			1/2	1.0	CFW500A01P0T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$950
		1	1.6	CFW500A01P6T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$975	V1W (V1)
		2	2.6	CFW500A02P6T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$990	V1W (V1)
		3	4.3	CFW500A04P3T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$1,175	V1W (V1)
		5	6.5	CFW500A06P5T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$1,400	V1W (V1)
		7 1/2	10	CFW500A10P0T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	\$1,650	V1W (V1)
		10	14	CFW500B14P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,050	V1W (V1)
		10	16	CFW500B16P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,275	V1W (V1)
		15	24	CFW500B24P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$3,025	V1W (V1)
		25	31	CFW500B31P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	\$3,650	V1W (V1)
575 Vac / 3 Phase ³	Input Power Supply: Three-Phase 500-600 Vac									
		1 1/2	1.7	CFW500B01P7T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	\$1,590	V1W (V1)
		3	3.0	CFW500B03P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	\$1,670	V1W (V1)
		3	4.3	CFW500B04P3T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	\$1,890	V1W (V1)
		7 1/2	7.0	CFW500B07P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,115	V1W (V1)
		10	10.0	CFW500B10P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,330	V1W (V1)
		10	12.0	CFW500B12P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	\$2,615	V1W (V1)

Notes:

- 1) HP rating based on WEG W22 motors average FLA values. Use as a guide only.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 3) All 575V drives are non-stocked items and are still Generation-1 drives, consult WEG for availability.
- 4) Frame Size A & B are rated for 40°C ambient temperature.

CFW500
G2

CFW500-G2

CFW500 - N4X/IP66 WASHDOWN VFD WITH DISCONNECT SWITCH

**CFW500
G2**

Motor Voltage	HD - Motor HP ¹	HD - Drive Amps ²	Catalog Number	Braking Transistor	Frame Size ⁴	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)		
230 Vac / 3 Phase	Input Power Supply: Single or Three-Phase 200-240 Vac										
		1/3	1.6	CFW500A01P6B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$895	V1W (V1)	
		3/4	2.6	CFW500A02P6B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$920	V1W (V1)	
		1 1/2	4.3	CFW500A04P3B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$980	V1W (V1)	
		2	7.3	CFW500A07P3B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,170	V1W (V1)	
		3	10.0	CFW500A10P0B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,255	V1W (V1)	
	Input Power Supply: Three-Phase 200-240 Vac										
		5	16	CFW500A16P0T2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,555	V1W (V1)	
		7 1/2	24	CFW500B24P0T2DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,245	V1W (V1)	
		10	28	CFW500B28P0T2DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,620	V1W (V1)	
		10	33	CFW500B33P0T2DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$3,080	V1W (V1)	
	460 Vac / 3 Phase	Input Power Supply: Three-Phase 380-480 Vac									
			1/2	1.0	CFW500A01P0T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,095	V1W (V1)
			1	1.6	CFW500A01P6T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,125	V1W (V1)
		2	2.6	CFW500A02P6T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,140	V1W (V1)	
		3	4.3	CFW500A04P3T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,350	V1W (V1)	
		5	6.5	CFW500A06P5T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,610	V1W (V1)	
		7 1/2	10	CFW500A10P0T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	\$1,900	V1W (V1)	
		10	14	CFW500B14P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,360	V1W (V1)	
		10	16	CFW500B16P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,620	V1W (V1)	
		15	24	CFW500B24P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$3,480	V1W (V1)	
		25	31	CFW500B31P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	\$4,200	V1W (V1)	
575 Vac / 3 Phase 3	Input Power Supply: Three-Phase 500-600 Vac										
		1 1/2	1.7	CFW500B01P7T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	\$1,830	V1W (V1)	
		3	3.0	CFW500B03P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	\$1,925	V1W (V1)	
		3	4.3	CFW500B04P3T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,175	V1W (V1)	
		7 1/2	7.0	CFW500B07P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,435	V1W (V1)	
		10	10.0	CFW500B10P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	\$2,680	V1W (V1)	
	10	12.0	CFW500B12P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	\$3,005	V1W (V1)		

Notes:

- 1) HP rating based on WEG W22 motors average FLA values. Use as a guide only.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 3) All 575V drives are non-stocked items and are still Generation-1 drives, consult WEG for availability.
- 4) Frame Size A & B are rated for 40°C ambient temperature.



Options and Accessories

CFW500
G2
IP20 N4X

Type	CATALOG NUMBER	Description	Apprx. Shpg. Wt. (lbs.)	List Price	Multiplier New (Old)
I/O	CFW500-IOS¹	CFW500 I/O Module; 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$110	V1G (V1)
I/O	CFW500-IOD	CFW500 I/O Module; 8 DI, 1 AI, 1 AO, 1 DOR, 4 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$141	V1G (V1)
I/O	CFW500-IOAD	CFW500 I/O Module; 6 DI, 3 AI, 2 AO, 1 DOR, 3 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$182	V1G (V1)
I/O	CFW500-IOR-B	CFW500 I/O Module; 5 DI, 1 AI, 1 AO, 4 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$125	V1G (V1)
Encoder Input	CFW500-ENC	CFW500 Encoder Module; Quad Input A & B, 1 RS485, 5 DI, 1 AI, 1 AO, 3 DOR, 1 DOT, 24vdc	0.2	\$210	V1G (V1)
USB Card	CFW500-CUSB	CFW500 Comm. Module; 1 USB, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$210	V1G (V1)
RS232 Card	CFW500-CRS232	CFW500 Comm. Module; 1 RS232, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 24vdc	0.2	\$138	V1G (V1)
RS485 Card	CFW500-CRS485-B	CFW500 Comm. Module; 2 RS485, 4 DI, 2 AI, 1 AO, 2 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$143	V1G (V1)
CANopen Card	CFW500-CCAN	CFW500 Comm. Module; 1 CAN/DeviceNet, 1 RS485, 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$138	V1G (V1)
Profibus DP Card	CFW500-CPDP	CFW500 Comm. Module; 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 Profibus DP, 1 RS485, 24vdc (DB9 connector)	0.2	\$405	V1G (V1)
Profibus DP & DP-V1 Module	CFW500-CPDP2	CFW500 Comm. Module; 1-Profibus DP & DP-V1 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc (Terminal Block Connector)	0.2	\$445	V1G (V1)
Modbus TCP Comm. Module	CFW500-CEMB-TCP	CFW500 Comm. Module; 1-Modbus TCP 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$499	V1G (V1)
ProfiNet I/O Comm. Module	CFW500-CEPN-IO	CFW500 Comm. Module; 1-ProfiNet I/O 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$499	V1G (V1)
EtherNet IP Comm. Module	CFW500-CETH-IP	CFW500 Comm. Module; 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-EtherNet IP 100BASE TX RJ-45 Port, 24vdc	0.2	\$499	V1G (V1)
STO Module	CFW500-SFY2²	CFW500 Safety Function Module; Safe Torque Off (STO) / Stop Category 0, Safe Stop 1 Time Controlled (SS1-t) / Stop Category 1; Safety Category: SIL 3, PL e	1.8	\$140	V1G (V1)
STO Module Plug	CFW50X-STO-JMP	CFW50x STO module plug	0.2	\$12	PTD
Flash Memory Module	CFW500-MMF	CFW500 Flash Memory Module for saving and reloading program and parameters to / from the drive.	0.2	\$189	V1G (V1)
Remote Keypad - Non Text	CFW500-HMIR³	CFW500 Remote non-text Keypad for mounting through enclosure door (Mounting Frame Kit is not required).	0.6	\$169	V1G (V1)
Remote Keypad - Advanced Text	HMI-01⁴	CFW500 Remote Advanced Text Keypad for mounting through enclosure door (Mounting Frame Kit is required).	0.4	\$205	V1G (V1)
Remote Keypad - Advanced Text Frame Kit	CFW500-RHMIF	CFW500 Remote Advanced Text Keypad enclosure door mounting frame kit	0.5	\$25	V1G (V1)
HMI Cable 1M	CFW500-CCHMIR01M	3.3 ft (1 meter) Remote Keypad Cable	0.5	\$23	V1G (V1)
HMI Cable 2M	CFW500-CCHMIR02M	6.6 ft (2 meter) Remote Keypad Cable	0.7	\$31	V1G (V1)
HMI Cable 3M	CFW500-CCHMIR03M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	V1G (V1)
HMI Cable 5M	CFW500-CCHMIR05M	16 ft (5 meter) Remote Keypad Cable	1.2	\$51	V1G (V1)
HMI Cable 7.5M	CFW500-CCHMIR075M	25 ft (7.5 meter) Remote Keypad Cable	1.5	\$61	V1G (V1)
HMI Cable 10M	CFW500-CCHMIR010M	33 ft (10 meter) Remote Keypad Cable	2.0	\$72	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1A	NEMA 1 kit – Frame Size A	2.0	\$28	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1B	NEMA 1 kit – Frame Size B	3.0	\$33	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1C	NEMA 1 kit – Frame Size C	3.0	\$44	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1D	NEMA 1 kit – Frame Size D	3.0	\$59	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1E	NEMA 1 kit – Frame Size E	6.0	\$64	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1F	NEMA 1 kit – Frame Size F	12.0	\$165	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1G	NEMA 1 kit – Frame Size G	17.0	\$215	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSA	Cable Shield Clamp Kit for Frame A	1.0	\$41	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSB	Cable Shield Clamp Kit for Frame B	1.0	\$44	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSC	Cable Shield Clamp Kit for Frame C	1.1	\$46	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSD	Cable Shield Clamp Kit for Frame D	1.1	\$51	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSE	Cable Shield Clamp Kit for Frame E	6.0	\$64	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSF	Cable Shield Clamp Kit for Frame F	15.0	\$140	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSG	Cable Shield Clamp Kit for Frame G	18.0	\$180	V1G (V1)
CFW500 Demo Suitcase	CFW500-DEMO-BLK	CFW500 Black Demo Suitcase with Remote Text keypad and STO Module	45.0	\$5,585	V1G (V1)

Notes:

- 1) The "CFW500-IOS" module is included as standard with CFW500-IP20 & IP66 Drives.
- 2) The "CFW500-SFY2" Module can be installed in the CFW500-IP20 & IP66 drives in addition to the "CFW500-IOS" or any other I/O or communication module. The "CFW500-SFY2" module only works with 230V & 460VAC, CFW500-G2 (Generation-2) drives.
For CFW500-IP20, Frame-A to E VFDs, the NEMA1 Kit top cover to protect the VFD from falling dust can not be used if the "CFW500-SFY2" is installed on the drive.
- 3) The "CFW500-HMIR" Remote Keypad (Non-Text) requires Qty. (1) CFW500-CCHIROxM cable. ("x" represents the cable length in meters)
- 4) The "HMI-01" remote Keypad (Advanced Text) requires Qty. (1) CFW500-RHMIF & Qty. (1) CFW500-CCHIROxM cable. ("x" represents the cable length in meters). This keypad only works with 230VAC & 460VAC, CFW500-G2 (Generation-2) drives.

CFW500-G2

Option Card I/O Table

CFW500
G2

CFW500 Option Module	DI ¹	AI	AO	DOR	DOT	Infrared	Encoder	USB	RS232	RS485	CANopen / DeviceNet	Profibus-DP / DP V1	Modbus TCP	ProfiNet I/O	EtherNet I/P
CFW500-IOS ¹	4	1	1	1	1					1					
CFW500-IOD	8	1	1	1	4					1					
CFW500-IOAD	6	3	2	1	3					1					
CFW500-IOR / CFW500-IOR-B	5	1	1	4	1	1				1					
CFW500-ENC	5	1	1	3	1		1			1					
CFW500-CUSB	4	1	1	1	1			1		1					
CFW500-CRS232	4	1	1	1	1				1	1					
CFW500-CRS485-B	4	2	1	2	1					2					
CFW500-CCAN	2	1	1	1	1					1	1				
CFW500-CPDP	2	1	1	1	1					1		1			
CFW500-CPDP2	2	1	1	1	1					1		1			
CFW500-CEMB-TCP	2	1	1	1	1					1			1		
CFW500-CEPN-IO	2	1	1	1	1					1				1	
CFW500-CETH-IP	2	1	1	1	1					1					1

Notes:

1) The CFW500 VFD comes standard with "CFW500-IOS" Module. To use any of the above listed optional module, the CFW500-IOS module needs to be removed from the drive. In that case, the number of I/Os will depend on the I/O or communication module being used.

Technical Data

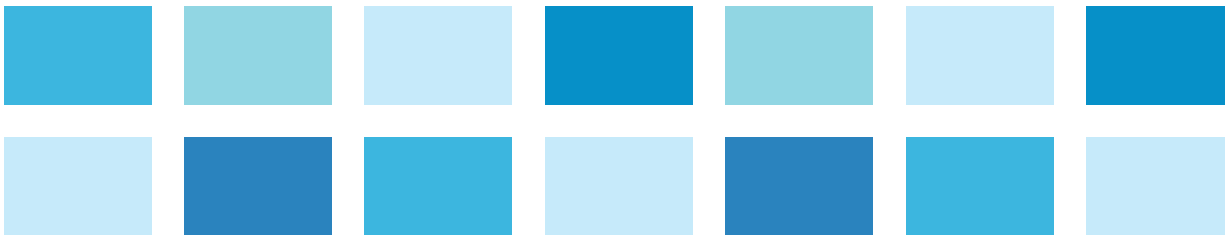
CFW500
G2

Power rating	Power supply	Tolerance: -15 to +10%	
		Frequency: 50/60 Hz (48 Hz to 62 Hz)	
		Phase imbalance: ≤3% of the rated phase-phase input voltage	
		Transient voltages and overvoltages according to Category III (EN 61010/UL 508C)	
		Maximum of 10 (line) connections per hour (1 every 6 minutes)	
		Typical efficiency: ≥97%	
Control	Method	V/F (scalar) VWV: voltage vector control Vector without encoder (sensorless) and closed loop vector with encoder PM VWV: voltage vector control for permanent magnet motors	
	Output frequency	0 to 500 Hz, resolution of 0.015 Hz	
Performance	V/F Control	Speed regulation: 1% of the rated speed (with slip compensation) Speed variation range: 1:20	
	Vector control (VWV)	Speed regulation: 1% of the rated speed Speed variation range: 1:30	
	Sensorless	Speed regulation: 0.5% of the rated speed Speed variation range: 1:100	
	Vector control with Encoder	Speed regulation: 0.1% of the rated speed Speed variation range: 1:100	
	PM VWV Control	Regulation: 0.1 % of the rated speed Speed variation range: 1:20	
Environment conditions	Temperature around the CFW500	14°F to 122°F (-10 °C to 50 °C) - IP20 (sizes A to E) 14°F to 104°F (-10 °C to 40 °C) - IP20 (sizes A to E) when installed side by side 14°F to 104°F (-10 °C to 40 °C) - NEMA 1 (sizes A to E) 14°F to 104°F (-10 °C to 40 °C) - IP20, NEMA 1 (size F) 14°F to 113°F (-10 °C to 45 °C) - IP20, NEMA 1 (size G) 14°F to 104°F (-10 °C to 40 °C) - IP66 (sizes A & B) For CFW500-IP20-Frame A to E & CFW500-IP66-Frame A & B, when operating temperatures are above the specification, it is necessary to apply 2% of current derating for each Celsius degree (°C), limited to an increase of 10 °C. For CFW500-IP20-Frame F & G, when operating temperatures are above the specification, it is necessary to apply 1% of current derating for each Celsius degree (°C) up to 50 °C, and 2% up to 60 °C (maximum).	
		Aggressive environments	Protection Class 3C2 - Standard coating on the internal circuits, according to IEC 60721-3-3 (standard model) Protection Class 3C3 - Extra coating - optional, according to IEC 60721-3-3 (optional)
		Air relative humidity	5% to 95% non-condensing
		Altitude	Up to 1,000 m (maximum altitude under normal conditions) 1,000 to 4,000 m: current derating of 1% for each 100 m above 1,000 m of altitude
		Pollution degree	2 (EN 50178 and UL 508C), with non-conductive pollution Condensation must not cause conduction of the accumulated residues
Inputs¹⁾	Analog	1 isolated input. Levels: (0 to 10) V or (0 to 20) mA or (4 to 20) mA Linearity error ≤0.25% Impedance: 100 kΩ for voltage input, 500 Ω for current input Programmable functions, including PTC input Maximum voltage accepted in the inputs: 30 V dc	
	Digital	4 isolated inputs Programmable functions: Active high (PNP): maximum low level of 15 V dc; minimum high level of 20 V dc Active low (NPN): maximum low level of 5 V dc; minimum high level of 9 V dc Maximum input voltage of 30 V dc Input current: 4.5 mA Maximum input current: 5.5 mA	
Outputs¹⁾	Analog	1 isolated output. Levels (0 to 10) V or (0 to 20) mA or (4 to 20) mA Linearity error ≤0.25% Programmable functions RL ≥10 kΩ (0 to 10 V) or RL ≤500 Ω (0 to 20 mA / 4 to 20 mA)	
	Relay	1 relay with NO/NC contact Maximum voltage: 240 V ac Maximum current of 0.5 A Programmable functions	
	Transistor	1 isolated open sink digital output (using as reference the 24 V dc power supply) Maximum current of 150 mA (maximum capacity of the 24 V dc power supply) ²⁾ Programmable functions	
	Power supply	24 V dc power supply. Maximum capacity: 150 mA ²⁾ Power supply of 10 V dc. Maximum capacity: 2 mA	
Communication	Selectable plug-in	Standard Communication: One RS485 (Modbus RTU / BACnet) Port. Optional: CANopen, DeviceNet, Profibus-DP, EtherNet/IP, Modbus-TCP, PROFINET IO, USB, RS485 (two Ports) and RS232 port	
Safety	Protection	Phase-phase overcurrent/short circuit in the output Phase-ground overcurrent/short circuit in the output Undervoltage/overvoltage in the power Overtemperature of the heatsink Motor overload Overload on the power module (IGBTs) External fault / alarm Programming error	
Operating interface (keypad)	Standard (built in the CFW500)	9 keys: Run/Stop, Increment, Decrement, Direction of rotation, Jog, Local/Remote, Back/Esc and Enter/Menu LCD Display It allows accessing/changing all the parameters Accuracy of the indications: Current: 5% of the rated current Speed resolution: 0.1 Hz	
Protection degree	IP20	Sizes A, B, C, D, E, F and G	
	NEMA1	Sizes A, B, C, D, E, F and G with NEMA1 kit	
	IP66/NEMA4X (Indoor/Outdoor)	Sizes A and B	

Notes: 1) The number and/or types of analog/digital inputs/outputs may vary according to the plug-in module (accessory) used. In the table above, the standard plug-in module (CFW500-IOS) was taken into account. For further information, refer to the CFW500 user manual.

2) The maximum capacity of 150 mA considers the load of the 24 V power supply plus the transistor output, that is, the sum of the consumption of both must not exceed 150 mA.

Standards	Safety standards	UL 508C - Power conversion equipment
		UL 840 - Insulation coordination including clearances and creepage distances for electrical equipment
		EN 61800-5-1 - Safety requirements electrical, thermal and energy
		EN 50178 - Electronic equipment for use in power installations
		EN 60204-1 - Safety of machinery. Electrical equipment of machines. Part 1: general requirements Note: In order to have a machine in accordance with this standard, the manufacturer of the machine is responsible for installing an emergency stop device and a device for disconnection from the power line
		EN 60146 (IEC 146) - Semiconductor converters
		EN 61800-2 - Adjustable speed electrical power drive systems - Part 2: general requirements - Rating specifications for low voltage adjustable frequency AC power drive systems
	Electromagnetic compatibility standards	EN 61800-3 - Adjustable speed electrical power drive systems - Part 3: EMC product standard including specific test methods
		EN 55011 - Limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment
		CISPR 11 - Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
		EN 61000-4-2 - Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - Section 2: electrostatic discharge immunity test
		EN 61000-4-3 - Electromagnetic compatibility - Part 4: testing and measurement techniques - Section 3: radiated, radio-frequency, electromagnetic field immunity test
		EN 61000-4-4 - Electromagnetic compatibility - Part 4: testing and measurement techniques - Section 4: electrical fast transient/burst immunity test
		EN 61000-4-5 - Electromagnetic compatibility - Part 4: testing and measurement techniques - Section 5: surge immunity test
	EN 61000-4-6 - Electromagnetic compatibility - Part 4: testing and measurement techniques - Section 6: immunity to conducted disturbances, induced by radio-frequency fields	
Mechanical construction standards	EN 60529 - Degrees of protection provided by enclosures (IP code)	
	UL 50 - Enclosures for electrical equipment	
	IEC60721-3-3 - Classification of environmental conditions - part 3: classification of groups of environmental parameters and their severities - Section 3: stationary use at weather protected locations level 3M4.	



CFW500-G1 (GENERATION-1) *Obsolete product, please select CFW500-G2 VFD*

Developed for fast commissioning, the CFW500 VFD is perfect for machines. Extremely compact and cost-effective, it meets the needs of machine manufacturers, system integrators, panel installers and users. The CFW500 has advanced technology plug and play options, developed for fast commissioning, providing great flexibility and competitive advantage while offering excellent performance and reliability. Designed for exclusively industrial or professional use, perfect for OEM, system integrators, panel installers and End Users providing great benefit from the added value.

Standard Features

- Compatible - wide range of accessories
- Single and Three phase input voltage
- 200 - 240v, 380 - 480v or 500 - 600v in put range
- v/hz and sensorless vector control
- Flexible - application functions
- Robust - 150% overload for one minute
- Efficient - provides optimal speed for production
- Reliable - 100% are tested with rated load at the factory
- Integrable - Fieldbus networks
- RS-485 (Modbus RTU) Communication as a standard
- IP 20 Rating. (Use NEMA 1 kit, part #CFW500-KN1x, listed in "Options and Accessories" section to convert IP20 VFD to NEMA1 rating).



CFW500
G1



Applications

- Centrifugal pumps
- Compressors
- Process dosing pumps
- Fans/ventilators
- Mixers/blenders
- Commercial dryers
- Extruders
- Conveyor belts
- Elevators
- General machinery



CFW500-G1

CFW500 Catalog Number Sequence

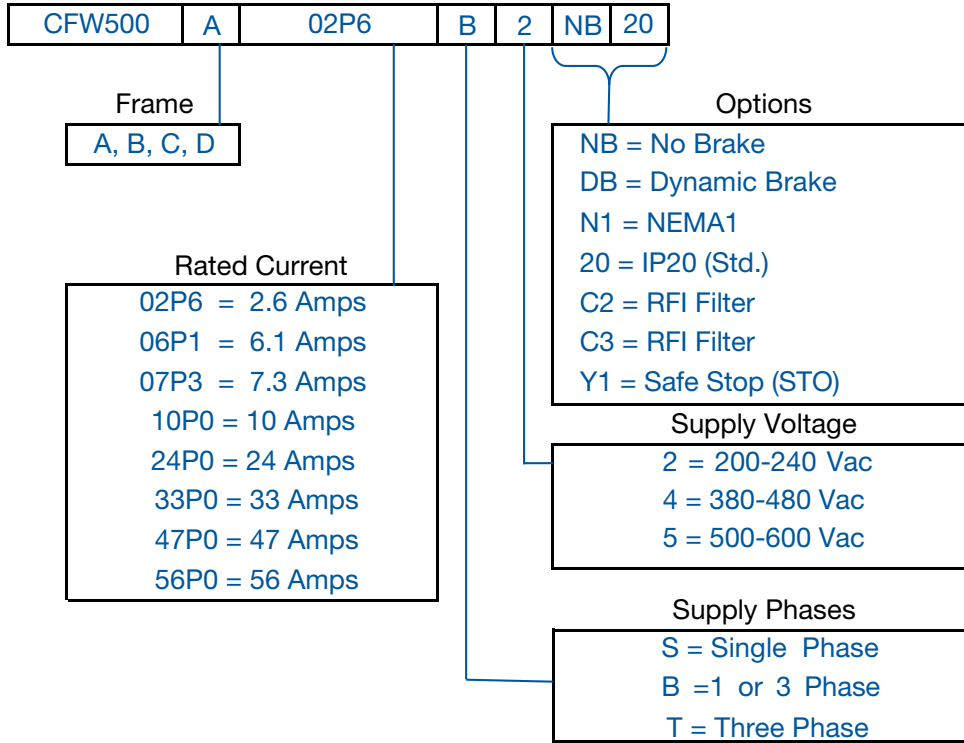


Table intended as reference and not to create part numbers.

CFW500
G1



IP20 Finger Safe Enclosure (Use NEMA1 kit, part # CFW500-KN1A/B/C/D/E, to convert IP20 rated CFW500 to UL TYPE 1 / NEMA1 rating)

Motor Voltage	Motor HP ¹	Drive Amps ²	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
230 Vac/3 Phase	Input Power Supply: Single-Phase 200-240 Vac								
	1/3	1.6	CFW500A01P6S2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$451	V1G (V1)
	3/4	2.6	CFW500A02P6S2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$463	V1G (V1)
	1 1/2	4.3	CFW500A04P3S2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$499	V1G (V1)
	2	7.3	CFW500A07P0S2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$633	V1G (V1)
	Input Power Supply: Single or Three-Phase 200-240 Vac								
	1/3	1.6	CFW500A01P6B2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$456	V1G (V1)
	3/4	2.6	CFW500A02P6B2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$467	V1G (V1)
	1 1/2	4.3	CFW500A04P3B2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$506	V1G (V1)
	2	7.3	CFW500B07P3B2DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$678	V1G (V1)
	3	10.0	CFW500B10P0B2DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$789	V1G (V1)
	Input Power Supply: Three-Phase 200-240 Vac								
	2	7.0	CFW500A07P0T2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$628	V1G (V1)
	3	9.6	CFW500A09P6T2NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$773	V1G (V1)
	5	16	CFW500B16P0T2DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$842	V1G (V1)
	7 1/2	24	CFW500C24P0T2DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,427	V1G (V1)
	10	28	CFW500D28P0T2DB20	Yes	D	12.1 x 7.1 x 6.6	9.5	\$1,777	V1G (V1)
	10	33	CFW500D33P0T2DB20	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,146	V1G (V1)
	15	47	CFW500D47P0T2DB20	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,910	V1G (V1)
	20	56	CFW500E56P0T2DB20	Yes	E	13.8 x 8.7 x 7.6	22.1	\$3,380	V1G (V1)
460 Vac/3 Phase	Input Power Supply: Three-Phase 380-480 Vac								
	1/2	1.0	CFW500A01P0T4NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$582	V1G (V1)
	1	1.6	CFW500A01P6T4NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$604	V1G (V1)
	2	2.6	CFW500A02P6T4NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$649	V1G (V1)
	3	4.3	CFW500A04P3T4NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$799	V1G (V1)
	3	6.1	CFW500A06P1T4NB20	No	A	7.5 x 3.0 x 5.9	1.8	\$982	V1G (V1)
	2	2.6	CFW500B02P6T4DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$708	V1G (V1)
	3	4.3	CFW500B04P3T4DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$892	V1G (V1)
	5	6.5	CFW500B06P5T4DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$1,067	V1G (V1)
	7 1/2	10	CFW500B10P0T4DB20	Yes	B	7.9 x 4.0 x 6.3	2.6	\$1,207	V1G (V1)
	10	14	CFW500C14P0T4DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,495	V1G (V1)
	10	16	CFW500C16P0T4DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,684	V1G (V1)
	15	24	CFW500D24P0T4DB20	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,229	V1G (V1)
	25	31	CFW500D31P0T4DB20	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,783	V1G (V1)
	30	39	CFW500E39P0T4DB20	Yes	E	13.8 x 8.7 x 7.6	22.1	\$3,346	V1G (V1)
	40	49	CFW500E49P0T4DB20	Yes	E	13.8 x 8.7 x 7.6	22.1	\$4,214	V1G (V1)
575 Vac ³ /3 Phase	Input Power Supply: Three-Phase 500-600 Vac								
	1 1/2	1.7	CFW500C01P7T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$910	V1G (V1)
	3	3.0	CFW500C03P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$954	V1G (V1)
	3	4.3	CFW500C04P3T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,073	V1G (V1)
	7 1/2	7.0	CFW500C07P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,276	V1G (V1)
	10	10.0	CFW500C10P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,621	V1G (V1)
10	12.0	CFW500C12P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,813	V1G (V1)	

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 3) All 575V drives are non-stocked items. Consult WEG for availability.
- For other technical data please refer to WEG product manual.

CFW500-G1

Options and Accessories

Type	CATALOG NUMBER	Description	Apprx. Shpg. Wt. (lbs.)	List Price	Multiplier New (old)
I/O	CFW500-IOS ¹	CFW500 I/O Module; 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$110	V1G (V1)
I/O	CFW500-IOD	CFW500 I/O Module; 8 DI, 1 AI, 1 AO, 1 DOR, 4 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$141	V1G (V1)
I/O	CFW500-IOAD	CFW500 I/O Module; 6 DI, 3 AI, 2 AO, 1 DOR, 3 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$182	V1G (V1)
I/O	CFW500-IOR-B	CFW500 I/O Module; 5 DI, 1 AI, 1 AO, 4 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$125	V1G (V1)
Encoder Input	CFW500-ENC	CFW500 Encoder Module; Quad Input A & B, 1 RS485, 5 DI, 1 AI, 1 AO, 3 DOR, 1 DOT, 24vdc	0.2	\$210	V1G (V1)
USB Card	CFW500-CUSB	CFW500 Comm. Module; 1 USB, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$210	V1G (V1)
RS232 Card	CFW500-CRS232	CFW500 Comm. Module; 1 RS232, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 24vdc	0.2	\$138	V1G (V1)
RS485 Card	CFW500-CRS485	CFW500 Comm. Module; 2 RS485, 4 DI, 2 AI, 1 AO, 2 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$143	V1G (V1)
CANopen Card	CFW500-CCAN	CFW500 Comm. Module; 1 CAN/DeviceNet, 1 RS485, 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$138	V1G (V1)
Profibus DP Card	CFW500-CPDP	CFW500 Comm. Module; 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 Profibus DP, 1 RS485, 24vdc	0.2	\$405	V1G (V1)
Profibus DP & DP-V1 Module	CFW500-CPDP2	CFW500 Comm. Module; 1-Profibus DP & DP-V1 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$445	V1G (V1)
Modbus TCP Comm. Module	CFW500-CEMB-TCP	CFW500 Comm. Module; 1-Modbus TCP 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$499	V1G (V1)
ProfiNet I/O Comm. Module	CFW500-CEPN-IO	CFW500 Comm. Module; 1-ProfiNet I/O 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$499	V1G (V1)
EtherNet IP Comm. Module	CFW500-CETH-IP	CFW500 Comm. Module; 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-EtherNet IP 100BASE TX RJ-45 Port, 24vdc	0.2	\$499	V1G (V1)
Flash Memory Module	CFW500-MMF	CFW500 Flash Memory Module for saving and reloading program and parameters to / from the drive	0.2	\$189	V1G (V1)
Remote Keypad	CFW500-HMIR ²	CFW500 Remote Keypad for mounting through enclosure door	0.6	\$169	V1G (V1)
Remote Oper. Station	CSW-SP3PBS	Remote Operator Station-includes 22mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	5.0	\$460	Z5
Remote Oper. Station	CSW30-SP3PBS	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	5.0	\$535	Z55 (Z5)
HMI Cable 1M	CFW500-CCHMIRO1M	3.3 ft (1 meter) Remote Keypad Cable	0.5	\$23	V1G (V1)
HMI Cable 2M	CFW500-CCHMIRO2M	6.6 ft (2 meter) Remote Keypad Cable	0.7	\$31	V1G (V1)
HMI Cable 3M	CFW500-CCHMIRO3M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	V1G (V1)
HMI Cable 5M	CFW500-CCHMIRO5M	16 ft (5 meter) Remote Keypad Cable	1.2	\$51	V1G (V1)
HMI Cable 7.5M	CFW500-CCHMIRO75M	25 ft (7.5 meter) Remote Keypad Cable	1.5	\$61	V1G (V1)
HMI Cable 10M	CFW500-CCHMIRO10M	33 ft (10 meter) Remote Keypad Cable	2.0	\$72	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1A	NEMA 1 kit – Frame Size A		\$28	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1B	NEMA 1 kit – Frame Size B		\$33	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1C	NEMA 1 kit – Frame Size C		\$44	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1D	NEMA 1 kit – Frame Size D		\$59	V1G (V1)
NEMA1 Conduit Kit	CFW500-KN1E	NEMA 1 kit – Frame Size E		\$64	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSA	Cable Shield Clamp Kit for Frame A	1.0	\$41	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSB	Cable Shield Clamp Kit for Frame B	1.0	\$44	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSC	Cable Shield Clamp Kit for Frame C	1.1	\$46	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSD	Cable Shield Clamp Kit for Frame D	1.1	\$51	V1G (V1)

Notes:

1) CFW500-IOS Card is included as standard with CFW500 Drives

2) CFW500-HMIR Remote Keypad requires Qty. (1) CFW500-CCHIROxM cable. ("x" represents the cable length in meters)

Option Card I/O Table

CFW500 Option Module	DI ¹	AI	AO	DOR	DOT	Infrared	Encoder	USB	RS232	RS485	CANopen / DeviceNet	Profibus-DP / DP V1	Modbus TCP	ProfiNet I/O	EtherNet I/P
CFW500-IOS ¹	4	1	1	1	1					1					
CFW500-IOD	8	1	1	1	4					1					
CFW500-IOAD	6	3	2	1	3					1					
CFW500-IOR / CFW500-IOR-B	5	1	1	4	1	1				1					
CFW500-ENC	5	1	1	3	1		1			1					
CFW500-CUSB	4	1	1	1	1			1		1					
CFW500-CRS232	4	1	1	1	1				1	1					
CFW500-CRS485-B	4	2	1	2	1					2					
CFW500-CCAN	2	1	1	1	1					1	1				
CFW500-CPDP	2	1	1	1	1					1		1			
CFW500-CPDP2	2	1	1	1	1					1		1			
CFW500-CEMB-TCP	2	1	1	1	1					1			1		
CFW500-CEPN-IO	2	1	1	1	1					1				1	
CFW500-CETH-IP	2	1	1	1	1					1					1

Notes:

1) The CFW500 VFD comes standard with "CFW500-IOS" Module. To use any of the above listed optional module, the CFW500-IOS module needs to be removed from the drive. In that case, the number of I/Os will depend on the I/O or communication module being used.

CFW500-G1

Technical Data

Power Supply	Voltage	Single phase or Three Phase	200-240V (+10%, -15%)
		Three phase	380-480V (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.98	
Enclosure	Degree of Protection	IP20	
	Mounting	Surface mounting with screws or DIN rail mounting	
Control	Control Modes	Volts per Hertz (Scalar)	
		Sensorless Voltage Vector	
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	2.5, 5, 10 or 15kHz	
	Frequency Range	0-300 Hz	
	Overload Capacity	150% for 60 seconds, repeatable every 10 min.	
Control Inputs	4 programmable isolated digital inputs, NPN or 24Vdc logic (PNP)		
	2 programmable differential analog inputs; programmable for current or voltage Can be set as DI or as PTC input (0-10V, 4-20mA or 0-20mA)		
Control Outputs	2 programmable relay outputs: One NO (Form A) and one NC (Form B): 240 V / 0.5 A		
	1 Analog Output; programmable for voltage (0-10V) or current (0-20 mA or 4-20 mA) and with 0.25% linearity error		
Communication	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	Modbus RTU with external RS-232/485 converter	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 10% / 3300ft (1000m) output current derating	
Regulatory Conformance	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility – Industrial Environment EMC Emission and Immunity with optional filter	
	ENC61800-3		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508 C	Power Conversion Equipment	
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current, PID Controller		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		

CFW700

The WEG CFW700 Series was designed to exceed industry expectations. Based on the robust CFW11 platform the CFW700 is designed and optimized for variable torque applications such as pumps and fans.

The CFW700 is the optimal drive for pump and fan control. The drive includes features such as built in PID controllers that can be programmed in engineering units for ease of understanding and set up. The drive also features an integrated power supply to be used with external transducers to measure flow or pressure.

These features combined with the drive's keypad based start up guide, make installation and parameter set up fast and easy.

Standard Features

- Simplicity – same programming as all other WEG drives
- Dual DC Bus chokes for longer VFD lifetime (6% equivalent), reduces harmonics eliminating the need for external line reactors
- Plenum Rated - Meets UL94 Requirements
- 24VDC Power Supply for process transducers - Standard
- Soft-PLC with free programming software
- Encoder Input - Standard
- RS-485 Modbus RTU - Standard
- Conformal Coated boards for harsh industrial environments
- Rated 50 °C (122 °F) – up to 60 °C (140 °F) with derating
- Self-tuning function automatically matches VFD with motor
- UL, cUL, CE, C-Tick, GOST, IRAM approved
- SuperDrive G2 compatible



CFW700



Applications

- | | |
|------------------------|------------------|
| • Pumps | • Fans/Blowers |
| • Conveyers | • Compressors |
| • Agitators and Mixers | • Extruders |
| • Grizzly Feeders | • Centrifuges |
| • Cranes and Hoists | • Rollout Tables |
| • Presses | • Saws |

CFW700 Catalog Number Sequence

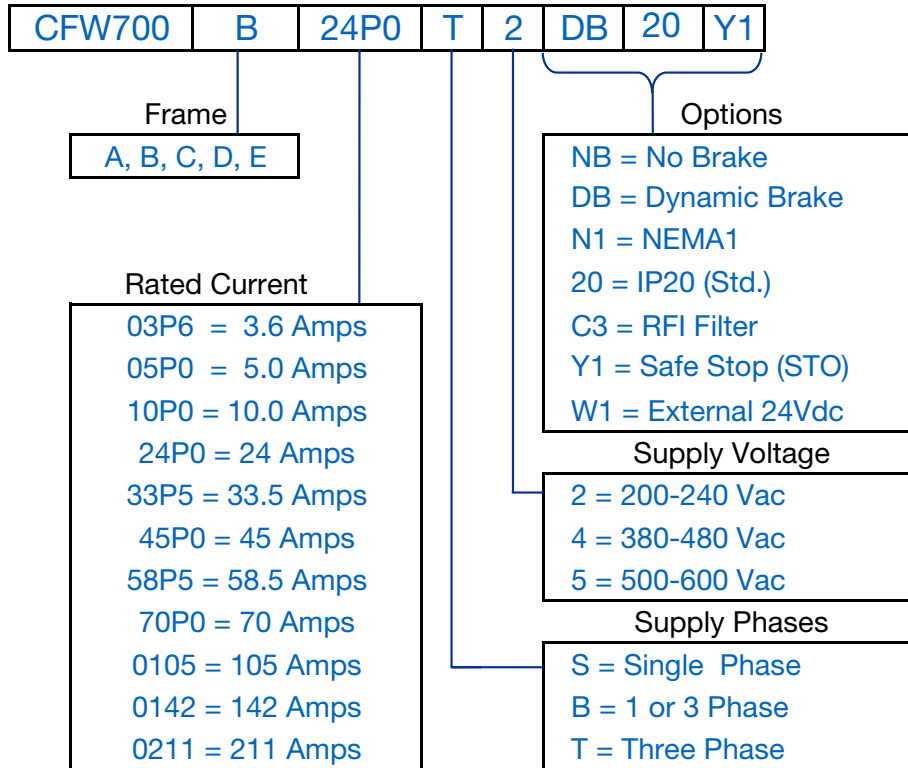


Table intended as reference only and not to create part numbers.

IP20 Enclosure (Use NEMA1 kit, part # KN1x-01/02, to convert IP20 rated CFW700 to UL TYPE 1 / NEMA1)

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	1 1/2	6.0	1 1/2	5.0	CFW700A06P0B2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,370	V1G (V1)
	2	7.0	2	7.0	CFW700A07P0B2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,430	V1G (V1)
	Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor										
	3	10	3	10	CFW700A10P0S2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,510	V1G (V1)
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	2	7.0	1 1/2	5.5	CFW700A07P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,350	V1G (V1)
	3	10	2	8.0	CFW700A10P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,410	V1G (V1)
	5	13	3	11	CFW700A13P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,440	V1G (V1)
	5	16	5	13	CFW700A16P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,542	V1G (V1)
	7 1/2	24	7 1/2	20	CFW700B24P0T2DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,020	V1G (V1)
	10	28	10	24	CFW700B28P0T2DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,201	V1G (V1)
	10	33.5	10	28	CFW700B33P5T2DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,600	V1G (V1)
	15	45	15	36	CFW700C45P0T2DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$2,900	V1G (V1)
	20	54	20	45	CFW700C54P0T2DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$3,700	V1G (V1)
	25	70	20	56	CFW700C70P0T2DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$4,880	V1G (V1)
	30	86	25	70	CFW700D86P0T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	\$6,101	V1G (V1)
	40	105	30	86	CFW700D105T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	\$8,100	V1G (V1)
	50	142	40	115	CFW700E0142T2DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$11,500	V1G (V1)
	60	180	50	142	CFW700E0180T2DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$15,500	V1G (V1)
	75	211	60	180	CFW700E0211T2DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$21,222	V1G (V1)
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor										
	50	142	40	115	CFW700E0142T2NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$10,101	V1G (V1)
	60	180	50	142	CFW700E0180T2NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$12,999	V1G (V1)
	75	211	60	180	CFW700E0211T2NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$18,555	V1G (V1)

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) All 575V drives are non-stocked items. Consult WEG for availability.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Dimensions and weights are provided for estimating purposes only.
- For other technical data please refer to WEG product manual.

CFW700

Variable Frequency Drives



CFW700

IP20 Enclosure (Use NEMA1 kit, part # KN1x-01/02, to convert IP20 rated CFW700 to UL TYPE 1 / NEMA1)

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
460 Vac	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor											
	2	3.6	2	3.6	CFW700A03P6T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,350	V1G (V1)	
	3	5.0	3	5.0	CFW700A05P0T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,444	V1G (V1)	
	5	7.0	3	5.5	CFW700A07P0T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,510	V1G (V1)	
	7 1/2	10	5	10	CFW700A10P0T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,600	V1G (V1)	
	10	13.5	7 1/2	11	CFW700A13P5T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,711	V1G (V1)	
	10	17	10	13.5	CFW700B17P0T4DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,055	V1G (V1)	
	15	24	10	19	CFW700B24P0T4DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,455	V1G (V1)	
	20	31	15	25	CFW700B31P0T4DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$3,450	V1G (V1)	
	25	38	20	33	CFW700C38P0T4DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$3,888	V1G (V1)	
	30	45	25	38	CFW700C45P0T4DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,000	V1G (V1)	
	40	58.5	30	47	CFW700C58P5T4DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,800	V1G (V1)	
	50/60	70.5	40	61	CFW700D70P5T4DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	\$6,888	V1G (V1)	
	60/75	88	50	73	CFW700D88P0T4DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	\$8,100	V1G (V1)	
	75	105	75	88	CFW700E105T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$11,989	V1G (V1)	
	100/125	142	75	115	CFW700E142T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$14,989	V1G (V1)	
	150	180	100	142	CFW700E180T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$20,989	V1G (V1)	
	175	211	150	180	CFW700E0211T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$25,989	V1G (V1)	
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor											
	75	105	75	88	CFW700E105T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$9,999	V1G (V1)	
100/125	142	75	115	CFW700E142T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$12,000	V1G (V1)		
150	180	100	142	CFW700E180T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,400	V1G (V1)		
175	211	150	180	CFW700E0211T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$18,787	V1G (V1)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) All 575V drives are non-stocked items. Consult WEG for availability.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Dimensions and weights are provided for estimating purposes only.
- For other technical data please refer to WEG product manual.

IP20 Enclosure (Use NEMA1 kit, part # KN1x-01/02, to convert IP20 rated CFW700 to UL TYPE 1 / NEMA1)

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
575 Vac ⁴	Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor										
	2	2.9	2	2.7	CFW700B02P9T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,689	V1G (V1)
	3	4.2	3	3.8	CFW700B04P2T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,759	V1G (V1)
	7 1/2	7.0	5	6.5	CFW700B07P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,874	V1G (V1)
	10	10	7 1/2	9.0	CFW700B10P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,048	V1G (V1)
	10	12	10	10	CFW700B12P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,171	V1G (V1)
	15	17	15	17	CFW700B17P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,552	V1G (V1)
	20	22	20	19	CFW700C22P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$4,235	V1G (V1)
	25	27	20	22	CFW700C27P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$4,506	V1G (V1)
	30	32	25	27	CFW700C32P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$6,486	V1G (V1)
	40	44	30	36	CFW700C44P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$7,309	V1G (V1)
	50	53	40	44	CFW700E53P0T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$9,118	V1G (V1)
	60	63	50	53	CFW700E63P0T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$11,580	V1G (V1)
	75	80	75	66	CFW700E80P0T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$12,091	V1G (V1)
	100	107	100	90	CFW700E107T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$16,240	V1G (V1)
	125	125	100	107	CFW700E125T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$16,910	V1G (V1)
	150	150	125	122	CFW700E150T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$23,456	V1G (V1)
	Input Power Supply: Three-Phase 500-600 Vac without Dynamic Braking Transistor										
	20	22	20	19	CFW700D22P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	\$3,921	V1G (V1)
	25	27	20	22	CFW700D27P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	\$4,450	V1G (V1)
30	32	25	27	CFW700D32P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	\$5,763	V1G (V1)	
40	44	30	36	CFW700D44P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	\$6,768	V1G (V1)	
50	53	40	44	CFW700E53P0T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$8,446	V1G (V1)	
60	63	50	53	CFW700E63P0T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$10,728	V1G (V1)	
75	80	75	66	CFW700E80P0T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$11,200	V1G (V1)	
100	107	100	90	CFW700E107T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,042	V1G (V1)	
125	125	100	107	CFW700E125T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,662	V1G (V1)	
150	150	125	122	CFW700E150T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$21,723	V1G (V1)	

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) All 575V drives are non-stocked items. Consult WEG for availability.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Dimensions and weights are provided for estimating purposes only.
- For other technical data please refer to WEG product manual.

CFW700

CFW700

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier New (Old)
Communication	CAN-01	CAN interface module (CANopen/DeviceNet) (CFW11 & CFW700)	\$410	V1G (V1)
	PROFIBUS DP-01	Profibus DP-V1 interface module (CFW11 & CFW700)	\$520	V1G (V1)
I/O	CCK-01	Relay Output Module for CFW700 and CFW701, 2 Form C Relay Outputs	\$105	GA (V1)
Flash Memory	MMF-02	Flash Memory Module for CFW700 and CFW701	\$71	GA (V1)
Keypad and Accessories	HMI-02	CFW700 Standard Keypad with USB	\$320	V1G (V1)
	RHMIF-02	CFW700 Remote Keypad Frame Kit	\$69	V1G (V1)
	HMID-01	Blank Keypad Cover for Keypad Slot (CFW11, CFW700 & CFW701)	\$54	GA (V1)
Remote Keypad Cable	IHM-CAB-RS-1M	3.3 ft (1 meter) Remote Keypad Cable(CFW11, CFW700 & CFW701)	\$54	GA (V1)
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable(CFW11, CFW700 & CFW701)	\$60	GA (V1)
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$66	GA (V1)
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$75	GA (V1)
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable(CFW11, CFW700 & CFW701)	\$90	GA (V1)
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$102	GA (V1)
Remote Oper. Station	CSW-SP3PBS	Remote Operator Station-includes 22mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$460	Z5
	CSW30-SP3PBS	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$535	Z55 (Z5)
NEMA1 Kits.	KN1A-02	NEMA1 - Conduit Kit for frame size A with power cables shielding	\$125	GA (V1)
	KN1B-02	NEMA1 - Conduit Kit for frame size B with power cables shielding	\$125	GA (V1)
	KN1C-02	NEMA1 - Conduit Kit for frame size C with power cables shielding	\$142	GA (V1)
	KN1E-01	NEMA1 - Top cover kit for frame size E (105 & 142A)	\$78	GA (V1)
	KN1E-02	NEMA1 - Top cover kit plus Conduit kit for frame size E (180 & 211A)	\$213	GA (V1)
	KIP21D-01	IP21 Kit for Frame size D (top cover) (CFW11 & CFW700)	\$120	GA (V1)
Cable Shield Kit	PCSA-01	Power Cables Shielding Kit for frame size A (CFW11 & CFW700)	\$48	GA (V1)
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11 & CFW700)	\$51	GA (V1)
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11 & CFW700)	\$54	GA (V1)
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11 & CFW700)	\$56	GA (V1)
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11 & CFW700)	\$76	GA (V1)

CFW700

Technical Data

Power Supply	Voltage	Single Phase or Three Phase	200-240V (+10%, -15%)
		Three phase	380-480V (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.98	
Enclosure	Degree of Protection	IP20	
Control	Control Modes	Volts per Hertz (Scalar)	Voltage Vector (VVW)
		Sensorless Vector	Vector with encoder
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	1.25, 2.0, 2.5, 5.0 or 10.0 kHz	
	Frequency Range	0-300 Hz in Scalar Mode; 120 Hz in Vector Mode	
	Overload Capacity	CT = Constant Torque, 150% overload / 60 sec. VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.	
Control Inputs	8 programmable isolated digital inputs, 24Vdc logic		
	2 isolated programmable differential analog inputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
	Motor thermistor - PTC/PT100/KTY84		
	Incremental encoder input – 5 to 12V		
Control Outputs	1 programmable relay output; NO/NC (Form C); 240Vac, 30Vdc / 0.75 A		
	4 programmable isolated open collector digital outputs; 24Vdc, 80mA max.		
	2 non-isolated programmable analog outputs 10 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
Communication	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	Isolated RS-485 / Modbus RTU (standard)	
		CAN interface module (CANopen/DeviceNet)	
		Profibus DP interface module	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
Regulatory / Safety Conformance	IEC 60146	Semiconductor converters	
	UL 508 C	Power Conversion Equipment	
	UL 840	Insulation coordination including clearances and creepage distances for electrical equipment.	
	UL 94	Plenum Rated - Meets UL94 Standard for Tests for Flammability	
	EN 50178	Electronic equipment for use in power installations	
	EN 61800-2	General requirements adjustable speed electrical power drive systems	
	EN 61800-3	EMC product standard including specific test methods adjustable speed electrical power drive systems	
	EN 61800-5-1	Safety requirements adjustable speed electrical power drive systems	
	EN 60204-1	Safety of machinery. Electrical equipment of machines. Part 1: General requirements.	
	RoHS and WEEE Guidelines		
Approvals	UL, cUL, CE, C-Tick, GOST, IRAM		
Special Functions	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, max. and min. adjustable frequency limits, adjustable output current, PID Controller		
Keypad	Backlit LCD display with 9 operator keys, remote mounting option available		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		

CFW700

Variable Frequency Drives



CFW700

NON-STOCK (call for lead time)

100% Braking Torque at 20% Duty Cycle (12 Seconds Max. Braking Time)

NEMA 1 Enclosure

CFW700

Motor Voltage	Motor HP ¹	CFW11 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier New (Old)
230 Vac	1 1/2	CFW700A06P0B2DB20	CFDB2-125-224	125	224	5 x 12 x 5	\$525	GA (V1)
	2	CFW700A07P0B2DB20	CFDB2-95-298	95	298	5 x 12 x 7	\$825	GA (V1)
	2	CFW700A07P0T2DB20	CFDB2-95-298	95	298	5 x 12 x 7	\$825	GA (V1)
	3	CFW700A10P0S2DB20	CFDB2-63-448	63	448	5 x 12 x 7	\$825	GA (V1)
	3	CFW700A10P0T2DB20	CFDB2-63-448	63	448	5 x 12 x 7	\$825	GA (V1)
	5	CFW700A13P0T2DB20	CFDB2-38-746	38	746	5 x 12 x 10	\$1,025	GA (V1)
	5	CFW700A16P0T2DB20	CFDB2-38-746	38	746	5 x 12 x 10	\$1,025	GA (V1)
	7 1/2	CFW700B24P0T2DB20	CFDB2-26-1119	26	1,119	5 x 12 x 13	\$1,225	GA (V1)
	10	CFW700B28P0T2DB20	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,430	GA (V1)
	10	CFW700B33P5T2DB20	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,430	GA (V1)
	15	CFW700C45P0T2DB20	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	\$1,775	GA (V1)
	20	CFW700C54P0T2DB20	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	\$1,775	GA (V1)
	25	CFW700C70P0T2DB20	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	\$2,150	GA (V1)
	30	CFW700D86P0T2DBN1	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	\$2,780	GA (V1)
	40	CFW700D0105T2DBN1	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	\$3,510	GA (V1)
	50	CFW700E142T2DB20C3	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	\$4,095	GA (V1)
	60	CFW700E180T2DB20C3	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	\$4,095	GA (V1)
75	CFW700E211T2DB20C3	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	\$6,010	GA (V1)	
460 Vac	2	CFW700A03P6T4DB20	CFDB2-375-298	375	298	5 x 12 x 7	\$825	GA (V1)
	3	CFW700A05P0T4DB20	CFDB2-250-448	250	448	5 x 12 x 7	\$825	GA (V1)
	5	CFW700A07P0T4DB20	CFDB2-150-746	150	746	5 x 12 x 10	\$1,025	GA (V1)
	7 1/2	CFW700A10P0T4DB20	CFDB2-100-1119	100	1,119	5 x 12 x 13	\$1,225	GA (V1)
	10	CFW700A13P5T4DB20	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,430	GA (V1)
	10	CFW700B17P0T4DB20	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,430	GA (V1)
	15	CFW700B24P0T4DB20	CFDB2-50-2238	50	2,238	5 x 19 x 13	\$1,965	GA (V1)
	20	CFW700B31P0T4DB20	CFDB2-38-2984	38	2,984	5 x 19 x 16	\$2,365	GA (V1)
	25	CFW700C38P0T4DB20	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	30	CFW700C45P0T4DB20	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	\$2,700	GA (V1)
	40	CFW700C58P5T4DB20	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	\$3,155	GA (V1)
	50/60	CFW700D70P5T4DBN1	CFDB2-15-8952	15	8,952	10 x 28 x 13	\$4,635	GA (V1)
	60/75	CFW700D88P0T4DBN1	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$6,050	GA (V1)
	75	CFW700E105T4DB20C3	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$6,050	GA (V1)
	100/125	CFW700E142T4DB20C3	CFDB2-6-18650	6	18,650	24 x 30 x 18	\$10,210	GA (V1)
	150	CFW700E180T4DB20C3	CFDB2-5-22380	5	22,380	24 x 30 x 18	\$12,655	GA (V1)
	175	CFW700E211T4DB20C3	CFDB2-5-29840	5	29,840	24 x 30 x 18	\$12,655	GA (V1)

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
- 3) Dimensions are provided for estimating purposes only.

100% Braking Torque at 50% Duty Cycle (30 Seconds Max. Braking Time) NEMA 1 Enclosure

Motor Voltage	Motor HP ¹	CFW700 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier New (Old)
230 Vac	1 1/2	CFW700A06P0B2DB20	CFDB5-125-560	125	560	5 x 12 x 10	\$1,025	GA (V1)
	2	CFW700A07P0B2DB20	CFDB5-95-746	95	746	5 x 12 x 10	\$1,025	GA (V1)
	2	CFW700A7P0T2DB20	CFDB5-95-746	95	746	5 x 12 x 10	\$1,025	GA (V1)
	3	CFW700A10P0S2DB20	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,225	GA (V1)
	3	CFW700A10P0T2DB20	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,225	GA (V1)
	5	CFW700A13P0T2DB20	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,965	GA (V1)
	5	CFW700A16P0T2DB20	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,965	GA (V1)
	7 1/2	CFW700B24P0T2DB20	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	\$2,700	GA (V1)
	10	CFW700B28P0T2DB20	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	10	CFW700B33P5T2DB20	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	15	CFW700C45P0T2DB20	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	\$3,155	GA (V1)
	20	CFW700C54P0T2DB20	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	\$4,990	GA (V1)
	25	CFW700C70P0T2DB20	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	\$4,990	GA (V1)
	30	CFW700D86P0T2DBN1	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	\$5,620	GA (V1)
	40	CFW700D0105T2DBN1	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	\$7,225	GA (V1)
	50	CFW700E142T2DB20C3	CFDB5-4-18650	3.9	18,650	24 x 30 x 18	\$11,025	GA (V1)
	60	CFW700E180T2DB20C3	CFDB5-4-22380	3.3	22,380	24 x 30 x 18	\$11,025	GA (V1)
75	CFW700E211T2DB20C3	CFDB5-3-27975	2.7	27,975	32 x 30 x 18	\$16,420	GA (V1)	
460 Vac	2	CFW700A03P6T4DB20	CFDB5-375-746	375	746	5 x 12 x 13	\$1,225	GA (V1)
	3	CFW700A05P0T4DB20	CFDB5-250-1119	250	1,119	5 x 12 x 16	\$1,630	GA (V1)
	5	CFW700A07P0T4DB20	CFDB5-150-1865	150	1,865	5 x 19 x 13	\$1,840	GA (V1)
	7 1/2	CFW700A10P0T4DB20	CFDB5-100-2798	100	2,798	5 x 19 x 16	\$2,365	GA (V1)
	10	CFW700A13P5T4DB20	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$3,155	GA (V1)
	10	CFW700B17P0T4DB20	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$3,155	GA (V1)
	15	CFW700B24P0T4DB20	CFDB5-50-5595	50	5,595	10 x 28 x 13	\$4,555	GA (V1)
	20	CFW700B31P0T4DB20	CFDB5-38-7460	38	7,460	10 x 28 x 13	\$4,555	GA (V1)
	25	CFW700C38P0T4DB20	CFDB5-30-9325	30	9,325	10 x 28 x 16	\$5,050	GA (V1)
	30	CFW700C45P0T4DB20	CFDB5-25-11190	25	11,190	10 x 28 x 16	\$5,425	GA (V1)
	40	CFW700C58P5T4DB20	CFDB5-19-14920	19	14,920	24 x 30 x 18	\$9,460	GA (V1)
	50/60	CFW700D70P5T4DBN1	CFDB5-15-22380	15	22,380	24 x 30 x 18	\$10,865	GA (V1)
	75	CFW700D88P0T4DBN1	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$15,605	GA (V1)
	75	CFW700E105T4DB20C3	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$15,605	GA (V1)
	100/125	CFW700E142T4DB20C3	CFDB5-8-46625	8	46,625	32 x 30 x 18	\$20,600	GA (V1)
	150	CFW700E180T4DB20C3	CFDB5-5-55950	5	55,950	48 x 30 x 18	\$20,070	GA (V1)
	175	CFW700E211T4DB20C3	CFDB5-5-74600	5	74,600	72 x 30 x 18	\$33,780	GA (V1)

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
- 3) Dimensions are provided for estimating purposes only.

CFW700

3% Z (Impedance) – NEMA 1 Enclosure

Motor Voltage	Motor HP	Reactor Amps	Catalog Number	Dimensions (in.) ¹ HxWxD	Approx. Weight (lbs.) ¹	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Three-Phase 230 Vac						
	3	12	LRW012D3N1	8 x 8 x 6	16	\$671	GA (V1)
	5	18	LRW018D3N1	8 x 8 x 6	16	\$790	GA (V1)
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42	\$910	GA (V1)
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45	\$972	GA (V1)
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54	\$1,162	GA (V1)
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55	\$1,371	GA (V1)
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74	\$1,396	GA (V1)
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78	\$1,671	GA (V1)
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60	\$1,807	GA (V1)
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71	\$2,192	GA (V1)
75	200	LRW200D3N1	13 x 13.3 x 13.1	79	\$2,286	GA (V1)	
460 Vac	Input Power Supply: Three-Phase 460 Vac						
	1 1/2	2	LRW002G3N1	8 x 8 x 6	11	\$595	GA (V1)
	2, 3	4	LRW004G3N1	8 x 8 x 6	11	\$612	GA (V1)
	5	8	LRW008G3N1	8 x 8 x 6	14	\$656	GA (V1)
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16	\$693	GA (V1)
	10	18	LRW018G3N1	8 x 8 x 6	16	\$803	GA (V1)
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42	\$972	GA (V1)
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45	\$1,007	GA (V1)
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54	\$1,315	GA (V1)
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55	\$1,460	GA (V1)
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60	\$1,815	GA (V1)
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71	\$1,797	GA (V1)
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74	\$2,257	GA (V1)
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48	\$3,064	GA (V1)
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79	\$2,702	GA (V1)
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99	\$4,592	GA (V1)
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155	\$4,967	GA (V1)
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155	\$7,548	GA (V1)
350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165	\$10,294	GA (V1)	
450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	\$11,145	GA (V1)	
750 / 800	1000	LRW1000G3N1	Consult Factory		\$19,990	GA (V1)	

Notes:

1) Dimensions and weights are provided for estimating purposes only.

CFW11

WEG's CFW11 uses state-of-the-art technology to control motors up to 1000HP. Aimed at increasing customers productivity, the CFW11 offers the following innovations:

Standard Features

- Same programming as all other WEG VFD's
- Plug and play philosophy (connect and use) enables quick and easy installation of accessories and options.
- USB for microcomputer connection for using SUPERDRIVE programming and monitoring software as well as updating inverter firmware.
- Human-Machine Interface (HMI) with backlit graphic display and soft-keys, greatly facilitates inverter programming and operation.
- DC link inductors (symetrically connected to positive and negative DC link terminals) enable compliance with IEC61000-3-12 standard requirements regarding harmonics, (no need for external line reactance.)
- Intelligent thermal management enables full protection of IGBTs, monitoring of heatsink and internal air temperature.
- Conformal coated circuit boards.
- 50°C Ambient
- Automatic control of the heatsink fan with speed sensor (additional protection) and easily detachable from the unit for cleaning and maintenance.
- Normal Duty and Heavy Duty ratings to adapt optimally to all kinds of loads.
- Protection with failure and alarm warnings.
- Motor overload protection in compliance with IEC 60947-4-2 | UL 508 C.
- Memory card built into the standard product allows user to create functions without the need to use an external PLC (soft-PLC via IEC61131-3 programming software)
- Guided start-up simplifies initial user programming.
- Real time clock with time and date stamped fault log.
- TRACE / SCOPE function to assist with the start-up and system diagnostics.
- SuperDrive G2 compatible



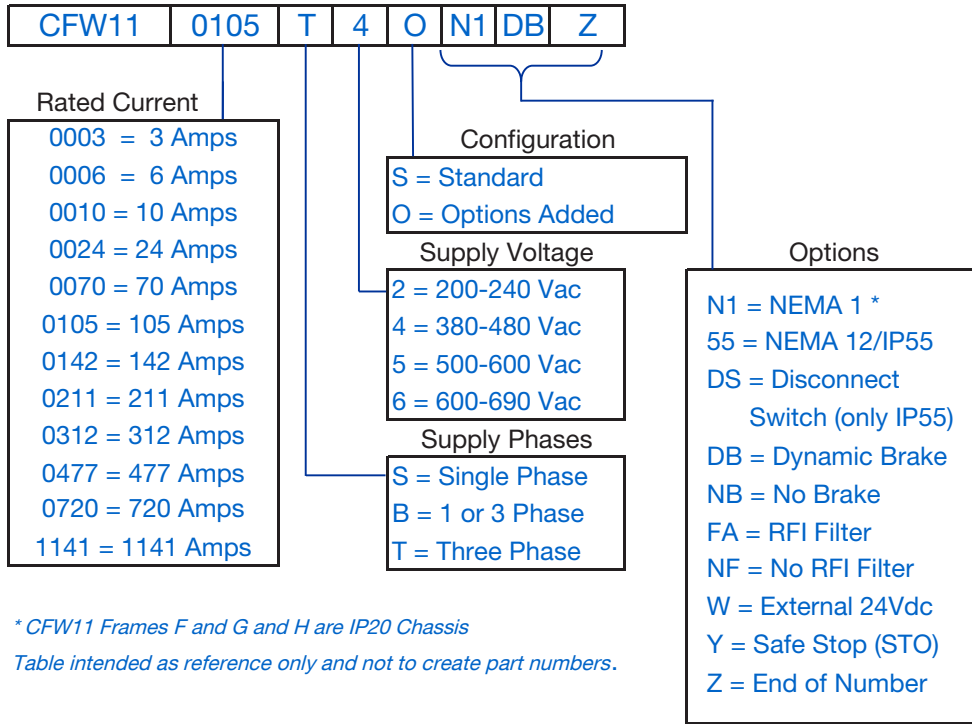
Applications

- Pumps
- Fans/Blowers
- Conveyors
- Compressors
- Agitators and Mixers
- Extruders
- Grizzly Feeders
- Centrifuges
- Cranes and Hoists
- Rollout Tables
- Presses
- Saws

Optional Features

- Safety stop in compliance with EN 954 - 1/category III**
 - External control feed with 24 Vdc
 - RFI filter in compliance with EN 61800-3 (internal)**
 - DB Resistors and line/load reactors available upon request
- **factory ordered*

CFW11 Catalog Number Sequence



CFW11 NEMA1 VFD



CFW11 NEMA12/IP55 VFD

Drive Ratings

Normal Duty (ND) Cycle:

- 110% for 60 seconds every 10 minutes
- 150% for 3 seconds every 10 minutes

Heavy Duty (HD) Cycle:

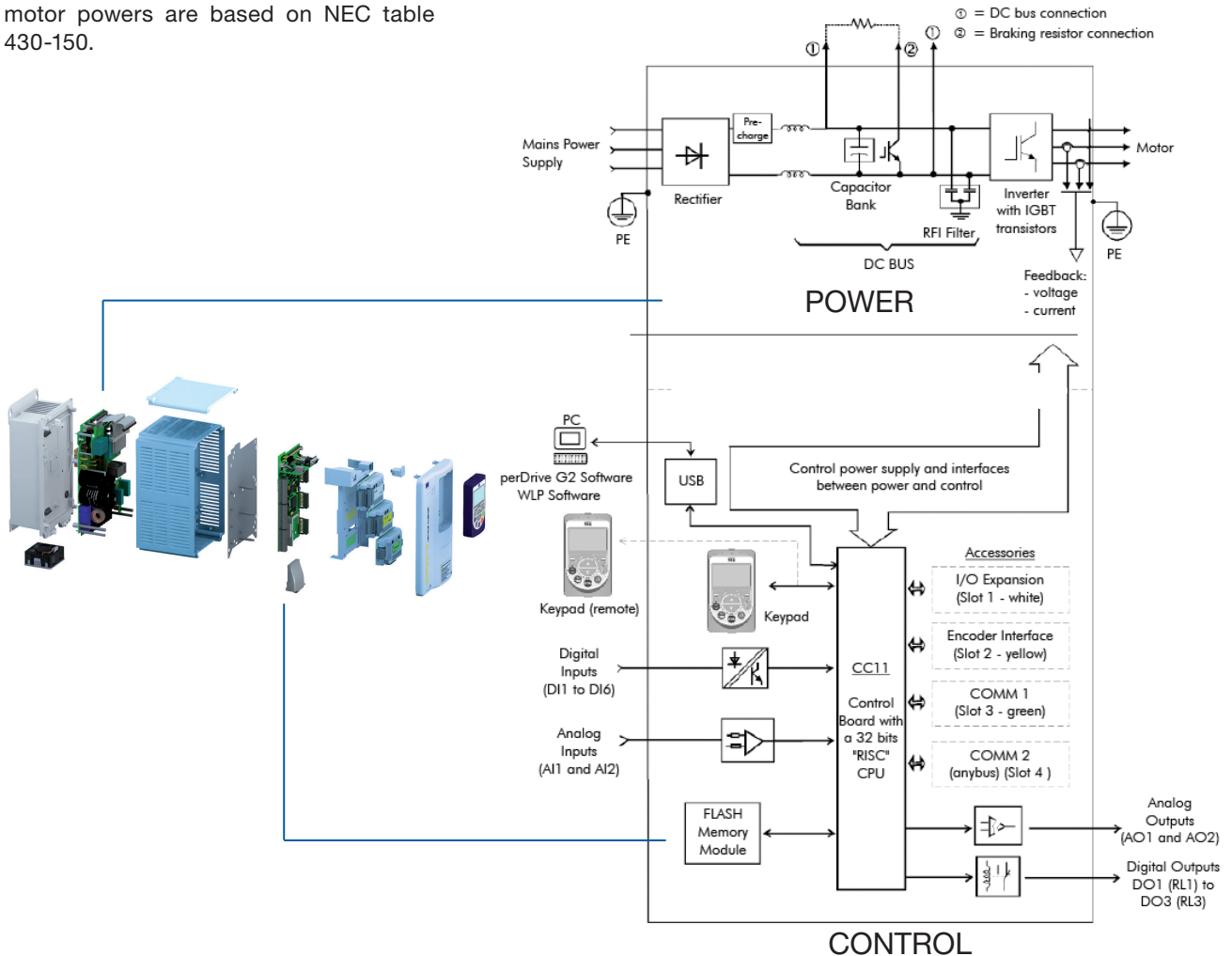
- 150% for 60 seconds every 10 minutes
- 200% for 3 seconds every 10 minutes

Sizing the drive

The correct way to select a VFD is to match its output current with the motor rated current. However, the tables in this catalog also present the expected motor horsepower for each VFD model. Use the motor power ratings only as a guide. Motor rated currents may vary with speed and manufacturer. IEC motor powers are based on WEG 4-pole motors, NEMA motor powers are based on NEC table 430-150.



CFW11
N1 & N12



Notes:

- 1) Half controlled bridge rectifier for sizes F and G
 - 2) Standard for sizes A to D;
 - 3) Standard RFI filter for sizes E, F and G;
- Please refer to the user manual for more information.

CFW11

NEMA 1 Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor											
	1 1/2	6.0	1 1/2	5.0	CFW110006B20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,644	V1P (V1)	
	2	7.0	2	7.0	CFW110007B20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,716	V1P (V1)	
	Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor											
	3	10	3	10	CFW110010S20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,812	V1P (V1)	
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	CFW110007T20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,620	V1P (V1)	
	3	10	2	8.0	CFW110010T20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,692	V1P (V1)	
	5	13	3	11	CFW110013T20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,728	V1P (V1)	
	5	16	5	13	CFW110016T20N1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,850	V1P (V1)	
	7 1/2	24	7 1/2	20	CFW110024T20N1Z	Yes	B	13.9 x 7.5 x 9.0	23	\$2,424	V1P (V1)	
	10	28	10	24	CFW110028T20N1Z	Yes	B	13.9 x 7.5 x 9.0	23	\$2,641	V1P (V1)	
	10	34	10	28	CFW110033T20N1Z	Yes	B	13.9 x 7.5 x 9.0	23	\$3,190	V1P (V1)	
	15	45	15	36	CFW110045T20N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$3,641	V1P (V1)	
	20	54	20	45	CFW110054T20N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$4,400	V1P (V1)	
	25	70	20	56	CFW110070T20N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$6,600	V1P (V1)	
	30	86	25	70	CFW110086T20N1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$7,222	V1P (V1)	
	40	105	30	86	CFW110105T20N1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$9,000	V1P (V1)	
	50	142	40	115	CFW110142T20N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$12,720	V1P (V1)	
	60	180	50	142	CFW110180T20N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$17,555	V1P (V1)	
	75	211	60	180	CFW110211T20N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$24,380	V1P (V1)	
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor											
	50	142	40	115	CFW110142T20N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$11,649	V1P (V1)	
	60	180	50	142	CFW110180T20N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$15,125	V1P (V1)	
	75	211	60	180	CFW110211T20N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$21,560	V1P (V1)	

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) All 575V drives are non-stocked items. Consult WEG for availability.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) IP20 enclosure protection level
- 8) Frame size "H" does not have built-in DC-link Inductor. Input reactor(s) MUST be used.
For other technical data please refer to WEG product manual.



NEMA 1 Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
460 Vac	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
	2	3.6	2	3.6	CFW110003T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,616	V1P (V1)
	3	5.0	3	5.0	CFW110005T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,650	
	5	7.0	3	5.5	CFW110007T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,712	
	7 1/2	10	5	10	CFW110010T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,969	
	10	13.5	7 1/2	11	CFW110013T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$2,068	
	10	17	10	13.5	CFW110017T40N1Z	Yes	B ⁹	13.9 x 7.5 x 9.0	23	\$2,530	
	15	24	10	19	CFW110024T40N1Z	Yes	B ⁹	13.9 x 7.5 x 9.0	23	\$2,992	
	20	31	15	25	CFW110031T40N1Z	Yes	B ⁹	13.9 x 7.5 x 9.0	23	\$3,873	
	25	38	20	33	CFW110038T40N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$4,300	
	30	45	25	38	CFW110045T40N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$5,400	
	40	58.5	30	47	CFW110058T40N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$6,633	
	50/60	70.5	40	61	CFW110070T40N1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$7,500	
	60/75	88	50	73	CFW110088T40N1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$8,900	
	75	105	75	88	CFW110105T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$13,600	
	100/125	142	75	115	CFW110142T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$15,900	
	150	180	100/125	142	CFW110180T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$23,115	
	175	211	150	180	CFW110211T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$27,020	
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
	75	105	75	88	CFW110105T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$10,650	V1P (V1)
	100/125	142	75	115	CFW110142T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$12,500	
	150	180	100/125	142	CFW110180T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$17,500	
	175	211	150	180	CFW110211T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$21,000	
	200	242	150	211	CFW110242T4SZ	No	F ^{5,7,10}	48.6 x 16.9 x 14.2	309	\$23,000	
	250	312	200	242	CFW110312T4SZ	No	F ^{5,7,10}	48.6 x 16.9 x 14.2	309	\$29,366	
	300	370	250	312	CFW110370T4SZ	No	F ^{5,7,10}	48.6 x 16.9 x 14.2	309	\$31,314	
	400	477	300	370	CFW110477T4SZ	No	F ^{5,7,10}	48.6 x 16.9 x 14.2	309	\$41,027	
450	515	400	477	CFW110515T4SZ	No	G ^{5,7,10}	50 x 21.1 x 16.8	474	\$43,970		
500	601	450	515	CFW110601T4SZ	No	G ^{5,7,10}	50 x 21.1 x 16.8	474	\$50,088		
600	720	500	560	CFW110720T4SZ	No	G ^{6,7,10}	50 x 21.1 x 16.8	474	\$59,330		
650	760	500	600	CFW110760T4OYZ	No	G ^{6,7,10}	50 x 21.1 x 16.8	474	\$60,240		
700	795	550	637	CFW110795T4OYZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	470	\$59,900		
				WKDRULL8H-877	Line Reactor (QTY-2)		12.3 x 15.5 x 13.5	125 x 2	\$ 5,962 (ea)		
750	877	600	715	CFW110877T4OYZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	470	\$65,950		
				WKDRULL8H-877	Line Reactor (QTY-2)		12.3 x 15.5 x 13.5	125 x 2	\$ 5,962 (ea)		
950	1062	750	855	CFW111062T4OYZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	486	\$79,736		
				WKDRULS3H-1141	Line Reactor (QTY-2)		12.61 x 15.25 x 16.5	190 x 2	\$ 7,725 (ea)		
1000	1141	800	943	CFW111141T4OYZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	486	\$92,517		
				WKDRULS3H-1141	Line Reactor (QTY-2)		12.61 x 15.25 x 16.5	190 x 2	\$ 7,725 (ea)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) All 575V drives are non-stocked items, consult WEG for availability.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) IP20 enclosure protection level
- 8) Includes STO Safety Stop per EN 954-1 / ISO 13849-1, category 3
- 9) Frame size "H" does not have built-in DC-link Inductor. The Open style (IP00) Input AC Line Reactor(s) in mentioned qty must be used with the drive to get the drive warranty.

Variable Frequency Drives



CFW11

NEMA 1 Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor											
	2	2.9	2	2.7	CFW110002T50N1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	\$2,393	V1P (V1)
	3	4.4	3	3.8	CFW110004T50N1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	\$2,360	
	7 1/2	7.0	5	6.4	CFW110007T50N1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	\$2,516	
	10	10	7 1/2	9.0	CFW110010T50N1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	\$2,850	
	10	12	10	10	CFW110012T50N1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	\$2,998	
	15	17	15	17	CFW110017T50N1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	\$3,145	
	20	22	20	19	CFW110022T50N1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	\$4,748	
	25	27	20	22	CFW110027T50N1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,023	
	30	32	25	27	CFW110032T50N1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,803	
	40	44	30	36	CFW110044T50N1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	\$7,175	
	50	53	40	44	CFW110053T60N1YZ	Yes	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$12,166	
	60	63	50	53	CFW110063T60N1YZ	Yes	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$12,932	
	75	80	75	66	CFW110080T60N1YZ	Yes	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$13,979	
	100	107	100	90	CFW110107T60N1YZ	Yes	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$23,951	
	125	125	100	107	CFW110125T60N1YZ	Yes	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$29,042	
	150	150	125	122	CFW110150T60N1YZ	Yes	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$33,040	
Input Power Supply: Three-Phase 500-600 Vac without Dynamic Braking Transistor											
575 Vac ⁴	50	53	40	44	CFW110053T60N1NBYZ	No	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$9,887	V1P (V1)
	60	63	50	53	CFW110063T60N1NBYZ	No	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$10,510	
	75	80	75	66	CFW110080T60N1NBYZ	No	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$11,358	
	100	107	100	90	CFW110107T60N1NBYZ	No	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$19,458	
	125	125	100	107	CFW110125T60N1NBYZ	No	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$23,589	
	150	150	125	122	CFW110150T60N1NBYZ	No	E ^{5,8}	26.6 x 13.2 x 14.1	143	\$32,080	
	150	170	150	150	CFW110170T60YZ	No	F ^{5,7,8}	48.6 x 16.9 x 14.2	371	\$33,083	
	200	216	150	180	CFW110216T60YZ	No	F ^{5,7,8}	48.6 x 16.9 x 14.2	371	\$40,206	
	300	289	250	240	CFW110289T60YZ	No	F ^{5,7,8}	48.6 x 16.9 x 14.2	371	\$48,913	
	350	315	300	289	CFW110315T60YZ	No	G ^{5,7,8}	50 x 21.1 x 16.8	569	\$54,936	
	400	365	350	315	CFW110365T60YZ	No	G ^{5,7,8}	50 x 21.1 x 16.8	569	\$71,061	
	450	435	350	357	CFW110435T60YZ	No	G ^{5,7,8}	50 x 21.1 x 16.8	569	\$76,125	
	500	472	450	418	CFW110472T60YZ	No	G ^{6,7,10}	50 x 21.1 x 16.8	569	\$77,150	
	650	584	550	504	CFW110584T60YZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	441	\$76,990	
					WKDRULS50H-625	Line Reactor (QTY-1)		12.3 x 15.5 x 13.5	195 x 1	\$8,495(ea)	
	700	625	600	540	CFW110625T60YZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	441	\$81,950	
					WKDRULS50H-625	Line Reactor (QTY-1)		12.3 x 15.5 x 13.5	195 x 1	\$8,495(ea)	
	850	758	650	614	CFW110758T60YZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	470	\$92,830	
				WKDRULS43L-804	Line Reactor (QTY-2)		12.3 x 15.5 x 13.5	175 x 2	\$5,615(ea)		
900	804	750	682	CFW110804T60YZ	No	H ^{6,7,8,9}	55.7 x 27.1 x 16.6	470	\$104,990		
				WKDRULS43L-804	Line Reactor (QTY-2)		12.3 x 15.5 x 13.5	175 x 2	\$5,615(ea)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) All 575V drives are non-stocked items, consult WEG for availability.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) IP20 enclosure protection level
- 8) Includes STO Safety Stop per EN 954-1 / ISO 13849-1, category 3
- 9) Frame size "H" does not have built-in DC-link Inductor. The Open style (IP00) Input AC Line Reactor(s) in mentioned qty must be used with the drive to get the drive warranty.

CFW11
N1 & N12



NEMA12 / IP55 Enclosure with Disconnect Switch

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	2	7	1.5	5.5	CFW110007T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,022	V1P (V1)
	3	10	2	8	CFW110010T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,074	V1P (V1)
	5	13	3	11	CFW110013T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,130	V1P (V1)
	5	16	5	13	CFW110016T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,601	V1P (V1)
	7.5	24	7.5	20	CFW110024T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$3,074	V1P (V1)
	10	28	10	24	CFW110028T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$3,529	V1P (V1)
	10	33.5	10	28	CFW110033T2055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$4,062	V1P (V1)
	15	45	15	36	CFW110045T2055DSZ	Yes	C	26.4 x 12.1 x 13.7	66.2	\$4,892	V1P (V1)
	20	54	20	45	CFW110054T2055DSZ	Yes	C	26.4 x 12.1 x 13.7	66.2	\$6,037	V1P (V1)
	25	70	20	56	CFW110070T2055DSZ	Yes	C	26.4 x 12.1 x 13.7	66.2	\$6,941	V1P (V1)
	30	86	25	70	CFW110086T2055DSZ	Yes	D	29.7 x 14.8 x 11.9	108	\$7,895	V1P (V1)
	40	105	30	86	CFW110105T2055DSZ	Yes	D	29.7 x 14.8 x 11.9	108	\$10,062	V1P (V1)
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor										
	50	142	40	115	CFW110142T2055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$12,539	V1P (V1)
60	180	50	142	CFW110180T2055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$17,211	V1P (V1)	
75	211	60	180	CFW110211T2055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$22,167	V1P (V1)	
460 Vac	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
	2	3.6	2	3.6	CFW110003T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$1,873	V1P (V1)
	3	5	3	5	CFW110005T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$1,997	V1P (V1)
	5	7	3	5.5	CFW110007T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,065	V1P (V1)
	7.5	10	5	10	CFW110010T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,198	V1P (V1)
	10	13.5	7.5	11	CFW110013T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,632	V1P (V1)
	10	17	10	13.5	CFW110017T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$2,786	V1P (V1)
	15	24	10	19	CFW110024T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$3,622	V1P (V1)
	20	31	15	25	CFW110031T4055DSZ	Yes	B	20.8 x 10.7 x 11.0	37.5	\$4,427	V1P (V1)
	25	38	20	33	CFW110038T4055DSZ	Yes	C	26.4 x 12.1 x 13.7	66.2	\$5,610	V1P (V1)
	30	45	25	38	CFW110045T4055DSZ	Yes	C	26.4 x 12.1 x 13.7	66.2	\$6,728	V1P (V1)
	40	58.5	30	47	CFW110058T4055DSZ	Yes	C	26.4 x 12.1 x 13.7	66.2	\$7,678	V1P (V1)
	50/60	70.5	40	61	CFW110070T4055DSZ	Yes	D	29.7 x 14.8 x 11.9	108	\$9,412	V1P (V1)
	60/75	88	50	73	CFW110088T4055DSZ	Yes	D	29.7 x 14.8 x 11.9	108	\$11,084	V1P (V1)
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
75	105	75	88	CFW110105T4055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$12,198	V1P (V1)	
100/125	142	75	115	CFW110142T4055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$15,062	V1P (V1)	
150	180	100/125	142	CFW110180T4055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$21,115	V1P (V1)	
175	211	150	180	CFW110211T4055DSZ	No	E	39.4 x 16.9 x 15.3	211.7	\$27,554	V1P (V1)	

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) Dimensions are provided for estimating purposes only. Always refer to as built drawings for actual measurements.
All CFW11 IP55/NEMA12 drives have maximum 40°C ambient temperature without derating
For other technical data please refer to WEG product manual.

CFW11
N1 & N12

CFW11

Options and Accessories

Type	Catalog Number	Description	Slot	List Price	Multiplier New (Old)
I/O Expansion Module	IOA-01	IOA Module for CFW11: 1 analog input (AI4 - 14 bits, voltage or current); 2 analog outputs (AO3 and AO4 - 14 bits, voltage or current); 2 digital inputs; 2 digital outputs (open-collector). All analog inputs and outputs are galvanically isolated.	1	\$1,100	V1P (V1)
	IOB-01	IOB Module for CFW11: 2 analog inputs (AI3 and AI4 - 12 bits, voltage or current); 2 analog outputs (AO1 and AO2 - 11 bits, voltage or current); 2 digital inputs; 2 digital outputs (open-collector) All analog inputs and outputs are galvanically isolated.	1	\$600	V1P (V1)
	IOC-01	Module for SoftPLC : 8 x Isolated Digital Inputs; 4 x Relay output (240V/1A)	1	\$447	V1P (V1)
	IOC-02	Module for SoftPLC : 8 x Isolated Digital Inputs; 8 x open collector digital outputs	1	\$411	V1P (V1)
	IOE-01	PTC Temperature Sensor Input Card; 5 - Channels	1	\$668	V1P (V1)
	IOE-02	PT100 Temperature Sensor Input Card; 5 - Channels	1	\$1,741	V1P (V1)
	IOE-03	KTY84 Temperature Sensor Input Card; 5 - Channels	1	\$863	V1P (V1)
Encoder Module	ENC-01	Incremental encoder module, 5 to 12 VDC at 100 kHz, with encoder signal repeater	2	\$500	V1P (V1)
	ENC-02	Incremental encoder module, 5 to 12 VDC at 100 kHz, without encoder signal repeater	2	\$430	V1P (V1)
Communication	RS485-01	RS-485 serial communication module (Modbus-RTU)	3	\$240	V1P (V1)
	RS232-01	RS-232C serial communication module (Modbus-RTU)	3	\$180	V1P (V1)
	RS232-02	RS232C serial communication module with DIP-switches for microcontroller's flash memory programming	3	\$180	V1P (V1)
	CAN/RS485-01	CAN and RS-485 communication module (CANopen / Modbus / DeviceNet)	3	\$480	V1P (V1)
	CAN-01	CAN interface module (CANopen/DeviceNet) (CFW11 & CFW700)	3	\$410	GA (V1)
	PROFIBUS DP-01	Profibus DP-V1 interface module (CFW11 & CFW700)	3	\$520	GA (V1)
	PROFDP-05	Profibus DP interface module	4	\$935	V1P (V1)
	DEVICENET-05	DeviceNet interface module	4	\$935	V1P (V1)
	ETHERNET/IP-05	Ethernet/IP interface module	4	\$935	V1P (V1)
	ETHERNETIP-2P-05	EtherNet/IP Communication Module, 2-ports	4	\$1,067	V1P (V1)
	ETHERCAT-05	EtherCAT Communication Module	4	\$1,117	V1P (V1)
	RS232-05	RS-232 serial communication module (Modbus-RTU)	4	\$228	V1P (V1)
	RS485-05	RS-485 serial communication module (Modbus-RTU)	4	\$275	V1P (V1)
	MODBUSTCP-05	Modbus - TCP/IP interface module	4	\$1,381	V1P (V1)
	MODBUSTCP-2P-05	Modbus - TCP/IP interface module, 2-ports	4	\$1,567	V1P (V1)
PROFINET IO-05	Profinet interface module	4	\$1,594	V1P (V1)	
PLC	PLC11-01	PLC functions with ladder programming, electronic gear box, etc.; 9 digital inputs; 3 dry-contact digital outputs; 3 open-collector digital outputs; 1 analog input (14 bits); 2 analog outputs (14 bits); 2 encoder interfaces; RS-485 Modbus-RTU interface; CAN interface (CANopen, CANopen master/slave)	1, 2, 3	\$1,876	V1P (V1)
PLC	PLC11-02	PLC functions with ladder programming, electronic gear box, etc.; 4 digital inputs; 1 dry-contact digital output; 3 open-collector digital outputs; 2 encoder interfaces; RS-485 Modbus-RTU interface; CAN interface (CANopen, CANopen master/slave)	1,2,3	\$1,221	V1P (V1)
Flash Memory	MMF-01	Flash Memory Module for CFW11; Blue Cover; For main circuit board versions CC11C and older	5	\$71	V1P (V1)
	MMF-03	Flash Memory Module for CFW11; Yellow Cover; For main circuit board versions CC11D and newer	5	\$71	V1P (V1)

continued on next page

Options and Accessories

Type	CATALOG NUMBER	Description	List Price	Multiplier New (Old)
Keypad and Accessories	HMI-01	CFW11 Standard Keypad	\$205	V1G (V1)
	RHMIF-01	CFW11 Remote Keypad Frame Kit	\$69	V1P (V1)
	HMID-01	Blank Keypad Cover for Keypad Slot (CFW11 & CFW700)	\$54	V1P (V1)
Remote Keypad Cable	IHM-CAB-RS-1M	3.3 ft (1 meter) Remote Keypad Cable (CFW11 & CFW700)	\$54	GA (V1)
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable (CFW11 & CFW700)	\$60	GA (V1)
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11 & CFW700)	\$66	GA (V1)
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11 & CFW700)	\$75	GA (V1)
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable (CFW11 & CFW700)	\$90	GA (V1)
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11 & CFW700)	\$102	GA (V1)
Remote Oper. Station	CSW-SP3PBS	Remote Operator Station-includes 22mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$460	Z5
	CSW30-SP3PBS	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$535	Z55 (Z5)
Conduit Kit	KN1A-01	NEMA 1 Conduit Kit for frame size A with power cables shielding	\$69	V1P (V1)
	KN1B-01	NEMA 1 Conduit Kit for frame size B with power cables shielding	\$82	V1P (V1)
	KN1C-01	NEMA 1 Conduit Kit for frame size C with power cables shielding	\$94	V1P (V1)
	KIP21D-01	IP21 Top Cover Kit for Frame size D (CFW11 & CFW700)	\$100	GA (V1)
	KN1E-01	NEMA 1 Top cover kit for frame size E (105 and 142A)	\$78	GA (V1)
	KN1E-02	NEMA 1 Top cover kit plus Conduit kit for frame size E (180 and 211A)	\$213	GA (V1)
	KN1F-01	NEMA 1 Conduit Kit for frame size F	\$390	V1P (V1)
Cable Shield Kit	PCSA-01	Power Cables Shielding Kit for frame size A (CFW11, CFW700 & CFW701)	\$48	GA (V1)
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11, CFW700 & CFW701)	\$51	GA (V1)
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11, CFW700 & CFW701)	\$54	GA (V1)
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11, CFW700 & CFW701)	\$56	GA (V1)
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11, CFW700 & CFW701)	\$76	GA (V1)
Dynamic Brake	DBW030380D3848SZ	External Dynamic Braking Module for CFW11 - T4, Frame F & G (380 to 480VAC), 380A.	\$6,822	V1P (V1)
	DBW040380D3848SZ	External Dynamic Braking Module for CFW11 - T4, Frame H (380 to 480VAC), 380A.	\$6,822	V1P (V1)
	DBW030250D5069SZ	External Dynamic Braking Module for CFW11 - T4, Frame H (500 to 690VAC), 250A.	\$6,654	V1P (V1)
	DBW040250D5069SZ	External Dynamic Braking Module for CFW11 - T5/T6, Frame H (500 to 690VAC), 250A.	\$6,654	V1P (V1)
	KIP20	IP20 kit for DBW03 / DBW04	\$96	V1P (V1)
CFW11 Demo Suitcase	CFW11-DEMO-SLV	CFW11 Demo Suitcase, Silver, with Encoder	\$10,950	V1P (V1)
	CFW11-DEMO-BLK	CFW11 Demo Suitcase, Black, w/o Encoder	\$8,215	V1P (V1)

CFW11
N1 & N12

CFW11

Technical Data

Power Supply	Voltage	Single Phase or Three Phase	200-240V (+10%, -15%)
		Three phase	380-480V (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.94	
Enclosure	Degree of Protection	NEMA 1 / IP20 / NEMA12 (IP55)	
Control	Control Modes	Volts per Hertz (Scalar)	Voltage Vector (VWV)
		Sensorless Vector	Vector with encoder
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	1.25, 2.0, 2.5, 5.0 or 10.0 kHz	
	Frequency Range	0-300 Hz in Scalar Mode; 120 Hz in Vector Mode	
Overload Capacity	CT = Constant Torque, 150% overload / 60 sec. VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.		
Control Inputs	6 programmable isolated digital inputs, 24Vdc logic		
	2 isolated programmable differential analog inputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
Control Outputs	3 programmable relay output; NO/NC (Form C); 240Vac, 30Vdc / 1.0 A		
	2 isolated programmable analog outputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
Communication	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	RS-232 (Modbus RTU), RS-485 (Modbus RTU), CANOpen, DeviceNet, Profibus DP	
		DeviceNet, Profibus DP-V1, Ethernet/IP, Modbus TCP, Profinet IO (Active Module)	
		RS232, RS485 (Passive Module)	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C) for Frame A to E; 14 - 113°F (45°C) for Frame-F & G (except 720A).	
		14 - 104°F (40°C) for NEMA12/IP55	
		2% Current derating for every 1°C above maximum temperature (limited to 10°C)	
	Humidity	5-95% Non Condensing	
Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).		
Regulatory Conformance	IEC 60146	Semiconductor converters	
	UL 508 C	Power Conversion Equipment	
	UL 840	Insulation coordination including clearances and creepage distances for electrical equipment.	
	EN 50178	Electronic equipment for use in power installations	
	EN 61800-2	General requirements adjustable speed electrical power drive systems	
	EN 61800-3	EMC product standard including specific test methods adjustable speed electrical power drive systems	
	EN 61800-5-1	Safety requirements adjustable speed electrical power drive systems	
	EN 60204-1	Safety of machinery. Electrical equipment of machines. Part 1: General requirements.	
RoHS and WEEE Guidelines			
Approvals	UL, cUL, CE, C-Tick, GOST		
Special Functions	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		



NON-STOCK (call for lead time)

CFW11

100% Braking Torque at 20% Duty Cycle (12 Seconds Max. Braking Time) NEMA 1 Enclosure

Motor Voltage	Motor HP ¹	CFW11 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier New (Old)
230 Vac	1 1/2	CFW110006B20N1Z	CFDB2-125-224	125	224	5 x 12 x 5	\$525	GA (V1)
	2	CFW110007B20N1Z	CFDB2-95-298	95	298	5 x 12 x 7	\$825	GA (V1)
	2	CFW110007T20N1Z	CFDB2-95-298	95	298	5 x 12 x 7	\$825	GA (V1)
	3	CFW110010S20N1Z	CFDB2-63-448	63	448	5 x 12 x 7	\$825	GA (V1)
	3	CFW110010T20N1Z	CFDB2-63-448	63	448	5 x 12 x 7	\$825	GA (V1)
	5	CFW110013T20N1Z	CFDB2-38-746	38	746	5 x 12 x 10	\$1,025	GA (V1)
	5	CFW110016T20N1Z	CFDB2-38-746	38	746	5 x 12 x 10	\$1,025	GA (V1)
	7 1/2	CFW110024T20N1Z	CFDB5-26-1119	26	1,119	5 x 12 x 13	\$1,225	GA (V1)
	10	CFW110028T20N1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,430	GA (V1)
	10	CFW110033T20N1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,430	GA (V1)
	15	CFW110045T20N1Z	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	\$1,775	GA (V1)
	20	CFW110054T20N1Z	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	\$1,775	GA (V1)
	25	CFW110070T20N1Z	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	\$2,150	GA (V1)
	30	CFW110086T20N1Z	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	\$2,780	GA (V1)
	40	CFW110105T20N1Z	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	\$3,510	GA (V1)
	50	CFW110142T20N1DBZ	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	\$4,095	GA (V1)
	60	CFW110180T20N1DBZ	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	\$4,095	GA (V1)
75	CFW110211T20N1DBZ	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	\$6,010	GA (V1)	
460 Vac	2	CFW110003T40N1Z	CFDB2-375-298	375	298	5 x 12 x 7	\$825	GA (V1)
	3	CFW110005T40N1Z	CFDB2-250-448	250	448	5 x 12 x 7	\$825	GA (V1)
	5	CFW110007T40N1Z	CFDB2-150-746	150	746	5 x 12 x 10	\$1,025	GA (V1)
	7 1/2	CFW110010T40N1Z	CFDB2-100-1119	100	1,119	5 x 12 x 13	\$1,225	GA (V1)
	10	CFW110013T40N1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,430	GA (V1)
	10	CFW110017T40N1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,430	GA (V1)
	15	CFW110024T40N1Z	CFDB2-50-2238	50	2,238	5 x 19 x 13	\$1,965	GA (V1)
	20	CFW110031T40N1Z	CFDB2-38-2984	38	2,984	5 x 19 x 16	\$2,365	GA (V1)
	25	CFW110038T40N1Z	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	30	CFW110045T40N1Z	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	\$2,700	GA (V1)
	40	CFW110058T40N1Z	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	\$3,155	GA (V1)
	50/60	CFW110070T40N1Z	CFDB2-15-8952	15	8,952	10 x 28 x 13	\$4,635	GA (V1)
	75	CFW110088T40N1Z	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$6,050	GA (V1)
	75	CFW110105T40N1DBZ	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$6,050	GA (V1)
	100/125	CFW110142T40N1DBZ	CFDB2-6-18650	6	18,650	24 x 30 x 18	\$10,210	GA (V1)
	150	CFW110180T40N1DBZ	CFDB2-5-22380	5	22,380	24 x 30 x 18	\$12,655	GA (V1)
	175	CFW110211T40N1Z	CFDB2-5-29840	5	29,840	24 x 30 x 18	\$12,655	GA (V1)
	200	CFW110242T40N1Z	CFDB2-4-29840	3.8	29,840	30 x 18 x 32	\$12,655	GA (V1)
	250	CFW110312T40N1Z	CFDB2-3-37300	3	37,300	30 x 18 x 32	\$13,375	GA (V1)
	300	CFW110370T40N1Z	CFDB2-3-44760	2.5	44,760	30 x 18 x 32	\$16,420	GA (V1)
350	CFW110477T40N1Z	CFDB2-3-52220	2.2	52,220	30 x 18 x 48	\$22,835	GA (V1)	
400	CFW110515T40N1Z	CFDB2-2-59680	1.9	59,680	30 x 18 x 48	\$23,645	GA (V1)	
500	CFW110601T40N1Z	CFDB2-2-74600	1.5	74,600	30 x 18 x 64	\$34,205	GA (V1)	
600	CFW110720T40N1Z	Consult with WEG						GA (V1)

CFW11
N1 & N12

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
- 3) Dimensions are provided for estimating purposes only.

Variable Frequency Drives



CFW11

NON-STOCK (call for lead time)

100% Braking Torque at 50% Duty Cycle (30 Seconds Max. Braking Time)

NEMA 1 Enclosure

Motor Voltage	Motor HP ¹	CFW11 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier New (Old)
230 Vac	1 1/2	CFW110006B20N1Z	CFDB5-125-560	125	560	5 x 12 x 10	\$1,025	GA (V1)
	2	CFW110007B20N1Z	CFDB5-95-746	95	746	5 x 12 x 10	\$1,025	GA (V1)
	2	CFW110007T20N1Z	CFDB5-95-746	95	746	5 x 12 x 10	\$1,025	GA (V1)
	3	CFW110010S20N1Z	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,225	GA (V1)
	3	CFW110010T20N1Z	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,225	GA (V1)
	5	CFW110013T20N1Z	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,965	GA (V1)
	5	CFW110016T20N1Z	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,965	GA (V1)
	7 1/2	CFW110024T20N1Z	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	\$2,700	GA (V1)
	10	CFW110028T20N1Z	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	10	CFW110033T20N1Z	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	15	CFW110045T20N1Z	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	\$3,155	GA (V1)
	20	CFW110054T20N1Z	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	\$4,990	GA (V1)
	25	CFW110070T20N1Z	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	\$4,990	GA (V1)
	30	CFW110086T20N1Z	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	\$5,620	GA (V1)
	40	CFW110105T20N1Z	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	\$7,225	GA (V1)
	50	CFW110142T20N1DBZ	CFDB5-4-18650	3.9	18,650	24 x 30 x 18	\$11,025	GA (V1)
	60	CFW110180T20N1DBZ	CFDB5-4-22380	3.3	22,380	24 x 30 x 18	\$11,025	GA (V1)
75	CFW110211T20N1DBZ	CFDB5-3-27975	2.7	27,975	32 x 30 x 18	\$16,420	GA (V1)	
460 Vac	2	CFW110003T40N1Z	CFDB5-375-746	375	746	5 x 12 x 13	\$1,225	GA (V1)
	3	CFW110005T40N1Z	CFDB5-250-1119	250	1,119	5 x 12 x 16	\$1,630	GA (V1)
	5	CFW110007T40N1Z	CFDB5-150-1865	150	1,865	5 x 19 x 13	\$1,840	GA (V1)
	7 1/2	CFW110010T40N1Z	CFDB5-100-2798	100	2,798	5 x 19 x 16	\$2,365	GA (V1)
	10	CFW110013T40N1Z	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$3,155	GA (V1)
	10	CFW110017T40N1Z	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$3,155	GA (V1)
	15	CFW110024T40N1Z	CFDB5-50-5595	50	5,595	10 x 28 x 13	\$4,555	GA (V1)
	20	CFW110031T40N1Z	CFDB5-38-7460	38	7,460	10 x 28 x 13	\$4,555	GA (V1)
	25	CFW110038T40N1Z	CFDB5-30-9325	30	9,325	10 x 28 x 16	\$5,050	GA (V1)
	30	CFW110045T40N1Z	CFDB5-25-11190	25	11,190	10 x 28 x 16	\$5,425	GA (V1)
	40	CFW110058T40N1Z	CFDB5-19-14920	19	14,920	24 x 30 x 18	\$9,460	GA (V1)
	50/60	CFW110070T40N1Z	CFDB5-15-22380	15	22,380	24 x 30 x 18	\$10,865	GA (V1)
	75	CFW110088T40N1Z	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$15,605	GA (V1)
	75	CFW110105T40N1DBZ	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$15,605	GA (V1)
	100/125	CFW110142T40N1DBZ	CFDB5-8-46625	8	46,625	32 x 30 x 18	\$20,600	GA (V1)
	150	CFW110180T40N1DBZ	CFDB5-5-55950	5	55,950	48 x 30 x 18	\$20,070	GA (V1)
	175	CFW110211T40N1DBZ	CFDB5-5-74600	5	74,600	72 x 30 x 18	\$33,780	GA (V1)
	200	CFW110242T40N1Z	CFDB5-4-74600	3.8	74,600	30 x 18 x 72	\$33,780	GA (V1)
	250	CFW110312T40N1Z	CFDB5-3-93250	3	93,250	30 x 18 x 72	\$33,780	GA (V1)
	300	CFW110370T40N1Z	CFDB5-3-111900	2.5	111,900	(2) 30 x 18 x 56	\$57,595	GA (V1)
350	CFW110477T40N1Z	CFDB5-3-130550	2.2	130,550	(2) 30 x 18 x 56	\$57,595	GA (V1)	
400	CFW110515T40N1Z	CFDB5-2-149200	1.9	149,200	(2) 30 x 18 x 56	\$78,115	GA (V1)	
500	CFW110601T40N1Z	CFDB5-2-186500	1.5	186,500	(2) 30 x 18 x 56	\$78,115	GA (V1)	
600	CFW110720T40N1Z	Consult with WEG						GA (V1)

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
- 3) Dimensions are provided for estimating purposes only.

CFW11
N1 & N12

NON-STOCK (call for lead time)
3% Z (Impedance) – NEMA 1 Enclosure

Motor Voltage	Motor HP	Reactor Amps	Catalog Number	Dimensions (in.) ¹ HxWxD	Approx. Weight (lbs.) ¹	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Three-Phase 230 Vac						
	3	12	LRW012D3N1	8 x 8 x 6	16	\$671	GA (V1)
	5	18	LRW018D3N1	8 x 8 x 6	16	\$790	GA (V1)
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42	\$910	GA (V1)
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45	\$972	GA (V1)
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54	\$1,162	GA (V1)
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55	\$1,371	GA (V1)
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74	\$1,396	GA (V1)
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78	\$1,671	GA (V1)
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60	\$1,807	GA (V1)
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71	\$2,192	GA (V1)
	75	200	LRW200D3N1	13 x 13.3 x 13.1	79	\$2,286	GA (V1)
460 Vac	Input Power Supply: Three-Phase 460 Vac						
	1 1/2	2	LRW002G3N1	8 x 8 x 6	11	\$595	GA (V1)
	2, 3	4	LRW004G3N1	8 x 8 x 6	11	\$612	GA (V1)
	5	8	LRW008G3N1	8 x 8 x 6	14	\$656	GA (V1)
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16	\$693	GA (V1)
	10	18	LRW018G3N1	8 x 8 x 6	16	\$803	GA (V1)
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42	\$972	GA (V1)
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45	\$1,007	GA (V1)
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54	\$1,315	GA (V1)
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55	\$1,460	GA (V1)
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60	\$1,815	GA (V1)
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71	\$1,797	GA (V1)
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74	\$2,257	GA (V1)
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48	\$3,064	GA (V1)
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79	\$2,702	GA (V1)
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99	\$4,592	GA (V1)
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155	\$4,967	GA (V1)
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155	\$7,548	GA (V1)
	350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165	\$10,294	GA (V1)
450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	\$11,145	GA (V1)	
750 / 800	1000	LRW1000G3N1	Consult Factory		\$19,990	GA (V1)	

Notes:

1) Dimensions and weights are provided for estimating purposes only.

CFW11M - Modular Drive

New generation of WEG variable frequency drives for high power ratings, ranging from 450HP-2500HP to with line voltage from 380V to 690V.

Standard Features:

- CFW11M
- Circuit Breaker with through door handle
- Line Reactor
- 6 pulse Rectifier Bridge
- High Speed fuses on DC Link
- Control Power Transformer
- Standard Enclosure NEMA 12 filtered
- Pre-charge circuit
- Start/Stop push buttons
- E-stop
- Graphic keypad
- All circuit boards conformal coated



CFW11M

Optional Features

- 12 and 18 pulse available
- NEMA 3R
- NEMA 4 or NEMA 4X - with air conditioning
- Temperature monitoring for RTD sensors

Applications

- Pumps
- Fans/Blowers
- Conveyers
- Compressors
- Agitators and Mixers
- Extruders
- Grizzly Feeders
- Centrifuges
- Cranes and Hoists
- Rollout Tables
- Presses
- Saws



CFW11M Catalog Number Sequence

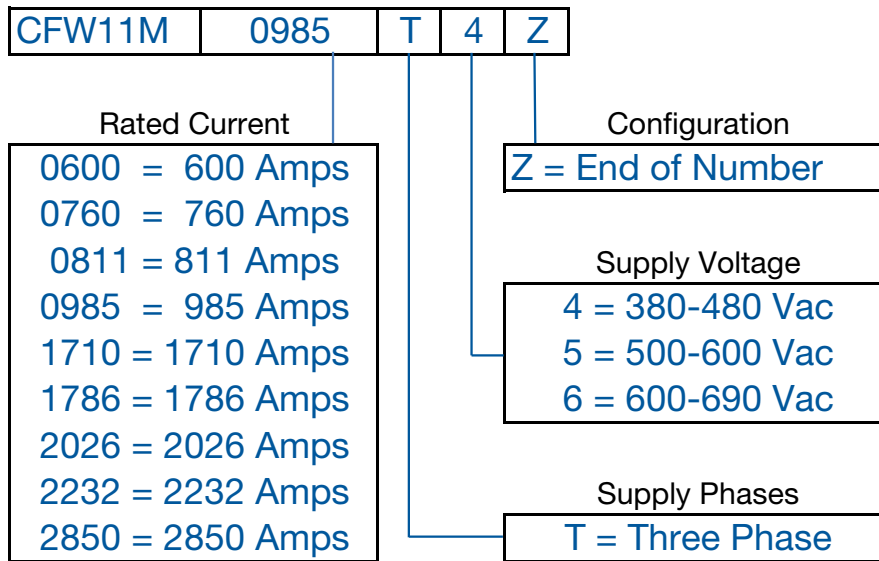


Table intended as reference only and not to create part numbers.

CFW11M

Modular Drive in NEMA 12 Enclosure

Motor Voltage	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³	Catalog Number	Rectifier ⁴ Type (Pulses)	Dimensions (in.) ⁵ HxWxD	List Price	Multiplier
	ND / VT ¹		HD / CT ¹						
Input Power Supply: Three-Phase 380-480 Vac									
380-480 Vac	500	600	450	515	CFW11M0600T4Z	6 or 12	104 x 72 x 32	Contact WEG for Pricing	
	600	760	500	600	CFW11M0760T4Z	6 or 12	104 x 72 x 32		
	700	865	600	700	CFW11M0865T4Z	6 or 12	104 x 72 x 32		
	800	985	700	800	CFW11M0985T4Z	6 or 12	104 x 72 x 32		
	1000	1140	800	979	CFW11M1140T4Z	6 or 12	104 x 72 x 32		
	1500	1710	1200	1468	CFW11M1710T4Z	6 or 12	104 x 96 x 34		
	2000	2280	1600	1957	CFW11M2280T4Z	6 or 12	104 x 112 x 34		
	2500	2850	2000	2446	CFW11M2850T4Z	6 or 12	104 x 128 x 34		
Input Power Supply: Three-Phase 500-600 Vac									
500-600 Vac	500	470	400	380	CFW11M0470T5Z	6 or 12	104 x 72 x 34	Contact WEG for Pricing	
	1000	893	800	722	CFW11M0893T5Z	6 or 12	104 x 72 x 34		
	1500	1340	1250	1083	CFW11M1340T5Z	6 or 12	104 x 96 x 34		
	2000	1786	1600	1444	CFW11M1786T5Z	6 or 12	104 x 112 x 34		
	2500	2232	2000	1805	CFW11M2232T5Z	6 or 12	104 x 128 x 34		
Input Power Supply: Three-Phase 660-690 Vac									
660-690 Vac	500	427	400	340	CFW11M0427T6Z	6 or 12	104 x 72 x 34	Contact WEG for Pricing	
	1000	811	800	646	CFW11M0811T6Z	6 or 12	104 x 72 x 34		
	1500	1217	1250	969	CFW11M1217T6Z	6 or 12	104 x 96 x 34		
	2000	1622	1600	1292	CFW11M1622T6Z	6 or 12	104 x 112 x 34		
	2500	2028	2000	1615	CFW11M2026T6Z	6 or 12	104 x 128 x 34		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only. Motor FLA may vary with speed and manufacturer.
- 3) ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) 6-Pulse configuration is Standard; 12-Pulse configuration is Optional
- 5) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

Consult factory for individual module pricing

Power Unit

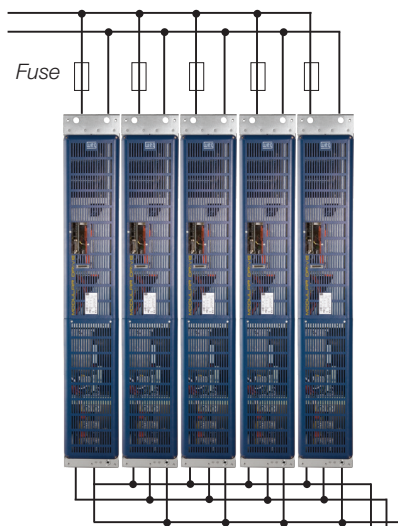
Compact modular drive that can be configured to the applicable motor power ratings.

- Easy servicing
- Configurable up to 5 power units
- DC supplied by an input rectifier
- Compact book format (width much smaller than the depth)
- Rack mounted

DC Link (connected to rectifier)



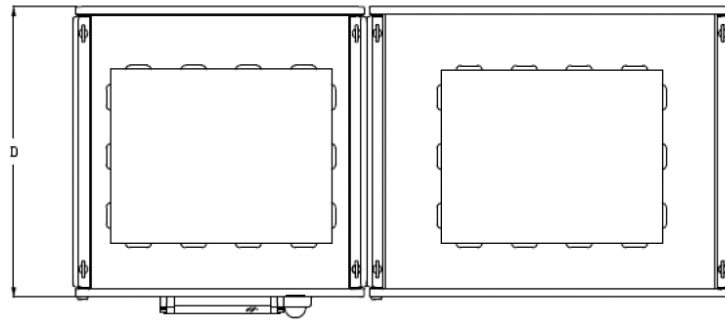
Power Unit



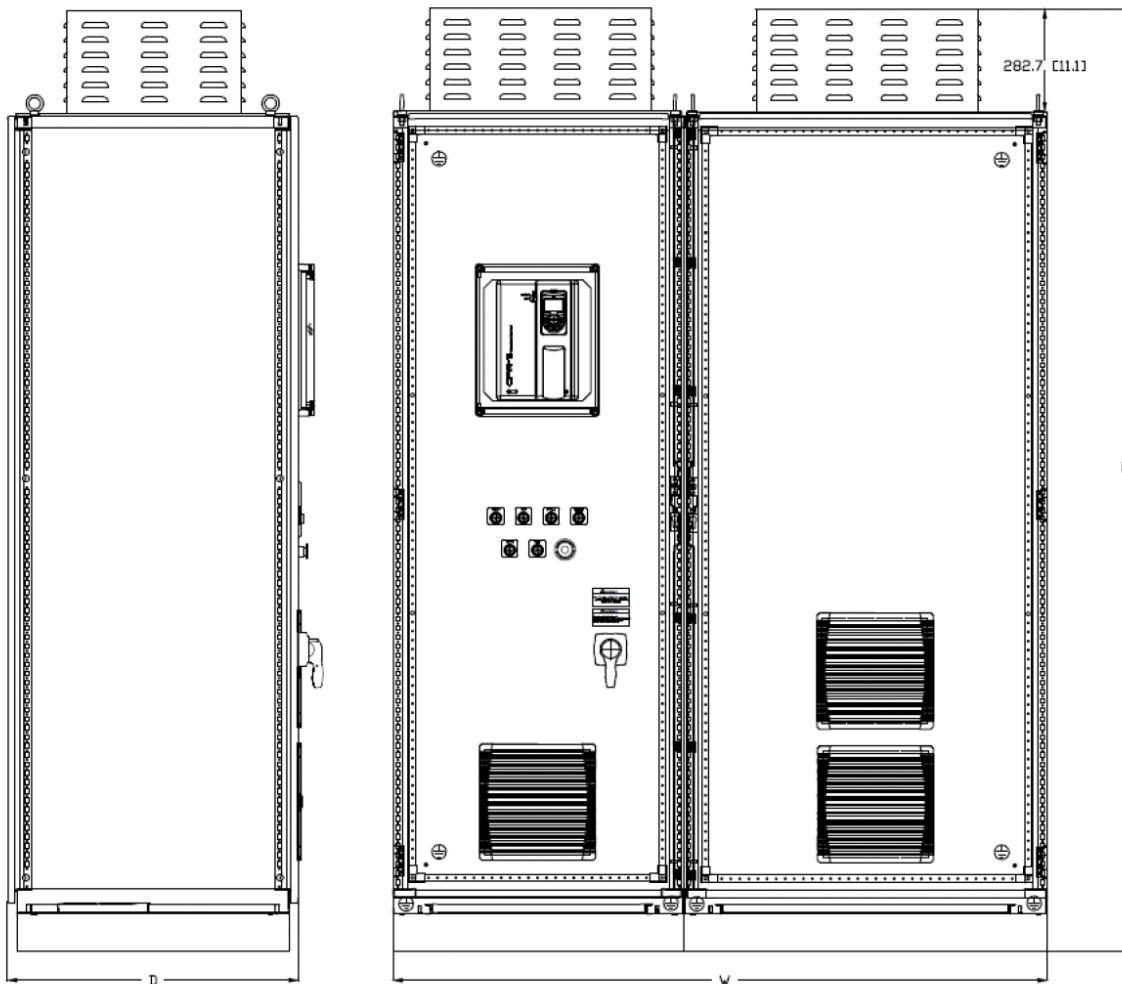
Application example

Motor connection

Dimensions



TOP VIEW



LEFT SIDE VIEW

FRONT VIEW

Freestanding Enclosure

CFW11M

PUMP GENIUS™

The WEG Pump Genius™ variable frequency drive software is designed to reduce system operation and maintenance costs while increasing pump process accuracy and protection. Pump Genius™ offers simplex or multiplex pump control while providing monitoring and protection for the pump system.

Pump Genius™ can be applied to any pump system that requires constant flow or pressure control.



PUMP GENIUS

- Reduce System Component Cost
- Improve System Reliability
- Reduce Maintenance Costs
- Eliminate Costly Control Panels
- Reduce System Energy Requirements
- Reduce Overall Installation Costs



PC Software - Download from www.weg.net



Performance Features

- 2-75 HP @ 230 Vac and 2-600 HP @ 480 Vac
- Overload capacity
- ND - 110% for 60 sec.
- HD - 150% for 60 sec.
- Adjustable accel/decel: 0.0 to 900.0 Sec.
- Controlled speed range: 1:20
- Critical frequency rejection: 3 selectable, adjustable bands
- Torque-limiting: 30-180%
- Torque boost: full range, automatic
- Power loss ride-thru: 2 sec
- Fault Auto-Reset with programmable time interval
- Feedback signal loss detection
- Serial communications loss detection
- "Up / Down" floating point control capability (PI)
- Pump Sleep function
- Run-permissive input

Pump Control Features

- Simplex or Multiplex Control
- Operator Keypad with intuitive pump language
- Local/Remote Control
- Jockey Pump Control
- Process feedback in engineering units
- Direct/Reverse PID Control Selection
- Control Set point by VFD Keypad, Analog Input, a combination of Digital Inputs, Communication command or based on weekly schedule
- Sleep Boost Mode
- Sleep Mode and Wake-Up Mode
- Pipe Charging
- Deragging function
- No Flow Detection
- Forced Rotation

Drive and Motor Protective Features

- Current-limited stall prevention
- Heat sink over-temperature, speed fold-back
- Bi-directional start into rotating motor
- Optically-isolated controls
- Short circuit protection: Phase-phase and phase-neutral
- Ground fault protection
- Short circuit withstand rating: 100KA RMS with Fuses
- Electronic motor overload: UL
- Current limit
- Fault display: last 10 faults
- Over torque and under torque protection

Pump Protective Features

- Dry Pump
- Air in System
- Blocked Impeller
- Pump over Cycling
- No Flow Protection
- Loss of Prime
- Transducer Loss
- Over Torque
- Anti-Cavitation



Pump Genius

Operation

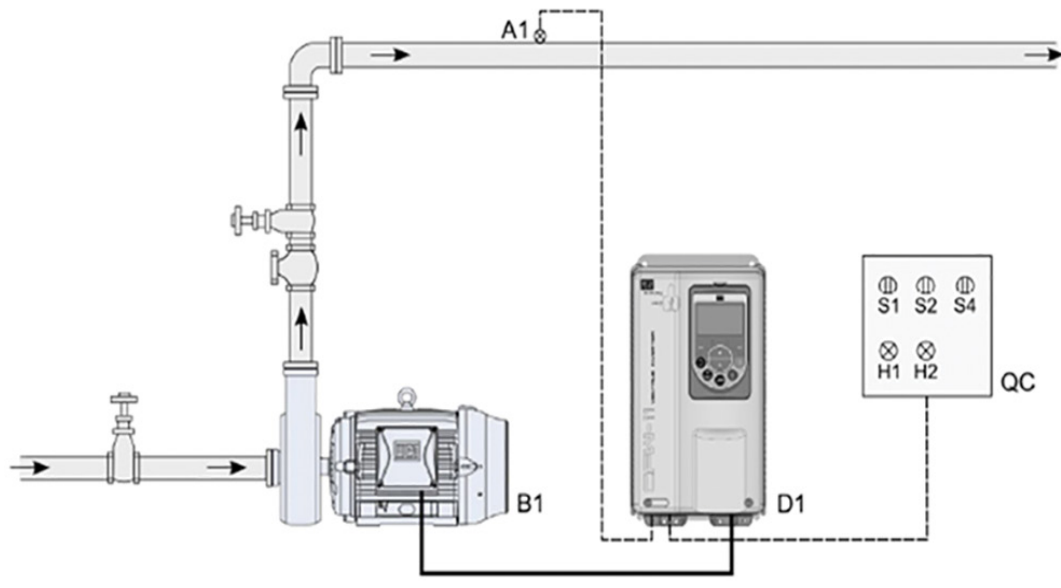
Pump Genius™ works with the WEG CFW11 drive to control pump system processes. Monitoring system pressure or flow, it adjusts pump speed to meet pumping requirements.

Pump Genius™ - Simplex (Single Pump Control)

Pump Genius™ - Simplex Operation

The Pump Genius™ - Simplex software monitors the system pressure or flow from a feedback device and maintains it at the control set point.

- Motor faults are monitored and alarmed
- Drive faults are monitored and alarmed
- Feedback Signal Lost / Broken Wire detected and alarmed
- Provides control for a single (1) pump operation



Pump Genius™ - Simplex Configuration



Single Drive Pump System

Motor Voltage	ND / VT 1		HD / CT 1		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP 2	Drive Amps 3	Motor HP 2	Drive Amps 3							
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	1 1/2	6.0	1 1/2	5.0	CFW110006B20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,779	V4
	2	7.0	2	7.0	CFW110007B20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,851	V4
	Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor										
	3	10	3	10	CFW110010S20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,947	V4
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	2	7.0	1 1/2	5.5	CFW110007T20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,755	V4
	3	10	2	8.0	CFW110010T20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,827	V4
	5	13	3	11	CFW110013T20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,863	V4
	5	16	5	13	CFW110016T20N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,985	V4
	7 1/2	24	7 1/2	20	CFW110024T20N1Z-PGS	Yes	B	13.9 x 7.5 x 9.0	23	\$2,559	V4
	10	28	10	24	CFW110028T20N1Z-PGS	Yes	B	13.9 x 7.5 x 9.0	23	\$2,776	V4
	10	34	10	28	CFW110033T20N1Z-PGS	Yes	B	13.9 x 7.5 x 9.0	23	\$3,325	V4
	15	45	15	36	CFW110045T20N1Z-PGS	Yes	C	17.7 x 8.7 x 11.5	46	\$3,776	V4
	20	54	20	45	CFW110054T20N1Z-PGS	Yes	C	17.7 x 8.7 x 11.5	46	\$4,535	V4
	25	70	20	56	CFW110070T20N1Z-PGS	Yes	C	17.7 x 8.7 x 11.5	46	\$6,735	V4
	30	86	25	70	CFW110086T20N1Z-PGS	Yes	D	19.9 x 11.9 x 12.0	72	\$7,357	V4
	40	105	30	86	CFW110105T20N1Z-PGS	Yes	D	19.9 x 11.9 x 12.0	72	\$9,135	V4
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor										
	50	142	40	115	CFW110142T20N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$11,784	V4
60	180	50	142	CFW110180T20N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$15,260	V4	
75	211	60	180	CFW110211T20N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$21,695	V4	

continued on next page

Pump Genius

Single Drive Pump System - *continued*

Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor											
460 Vac	2	3.6	2	3.6	CFW110003T40N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,751	V4
	3	5.0	3	5.0	CFW110005T40N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,785	V4
	5	7.0	3	5.5	CFW110007T40N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,847	V4
	7 1/2	10	5	10	CFW110010T40N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,104	V4
	10	13.5	7 1/2	11	CFW110013T40N1Z-PGS	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,203	V4
	10	17	10	13.5	CFW110017T40N1Z-PGS	Yes	B	13.9 x 7.5 x 9.0	23	\$2,665	V4
	15	24	10	19	CFW110024T40N1Z-PGS	Yes	B	13.9 x 7.5 x 9.0	23	\$3,127	V4
	20	31	15	25	CFW110031T40N1Z-PGS	Yes	B	13.9 x 7.5 x 9.0	23	\$4,008	V4
	25	38	20	33	CFW110038T40N1Z-PGS	Yes	C	17.7 x 8.7 x 11.5	46	\$4,435	V4
	30	45	25	38	CFW110045T40N1Z-PGS	Yes	C	17.7 x 8.7 x 11.5	46	\$5,535	V4
	40	58.5	30	47	CFW110058T40N1Z-PGS	Yes	C	17.7 x 8.7 x 11.5	46	\$6,768	V4
	50/60	70.5	40	61	CFW110070T40N1Z-PGS	Yes	D	19.9 x 11.9 x 12.0	72	\$7,635	V4
	60/75	88	50	73	CFW110088T40N1Z-PGS	Yes	D	19.9 x 11.9 x 12.0	72	\$9,035	V4
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
	75	105	75	88	CFW110105T40N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$10,785	V4
	100/125	142	75	115	CFW110142T40N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$12,635	V4
	150	180	100/125	142	CFW110180T40N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$17,635	V4
	175	211	150	180	CFW110211T40N1Z-PGS	No	E ⁴	26.6 x 13.2 x 14.1	144	\$21,135	V4
	200	242	150	211	CFW110242T4SZ-PGS	No	F ^{4.5}	48.6 x 16.9 x 14.2	309	\$23,135	V4
	250	312	200	242	CFW110312T4SZ-PGS	No	F ^{4.5}	48.6 x 16.9 x 14.2	309	\$29,501	V4
	300	370	250	312	CFW110370T4SZ-PGS	No	F ^{4.5}	48.6 x 16.9 x 14.2	309	\$31,449	V4
	400	477	300	370	CFW110477T4SZ-PGS	No	F ^{4.5}	48.6 x 16.9 x 14.2	309	\$41,162	V4
	450	515	400	477	CFW110515T4SZ-PGS	No	G ^{4.5}	50 x 21.1 x 16.8	474	\$44,105	V4
	500	601	450	515	CFW110601T4SZ-PGS	No	G ^{4.5}	50 x 21.1 x 16.8	474	\$50,223	V4
	600	720	500	560	CFW110720T4SZ-PGS	No	G ^{4.5}	50 x 21.1 x 16.8	474	\$59,465	V4

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) Maximum 45°C ambient temperature without derating
 - 5) IP20 enclosure protection level
- For other technical data please refer to WEG product manual.

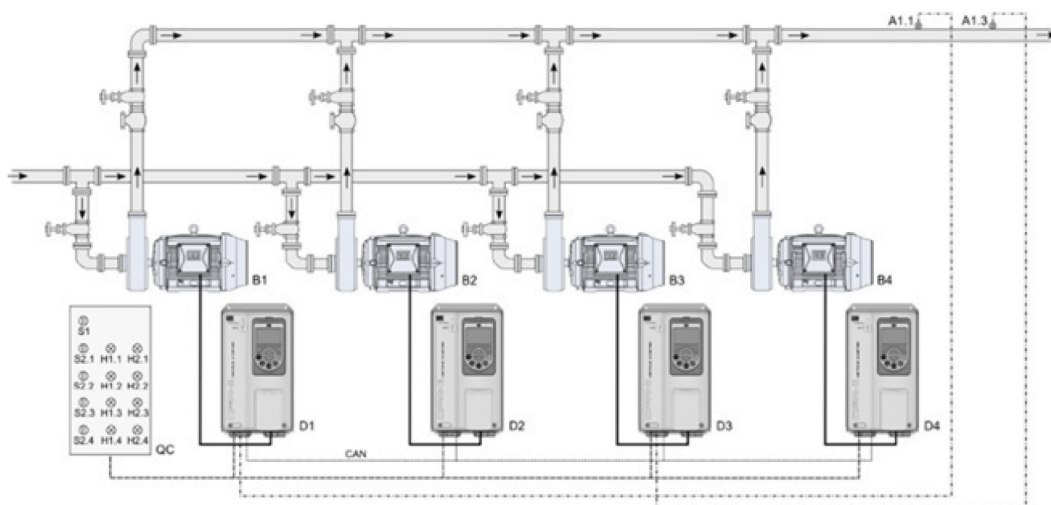
Pump Genius™ - Multiplex (Multiple Pump System Control)

Pump Genius™ - Multiplex Operation

The Pump Genius™ - Multiplex software monitors the system pressure or flow from a feedback device and maintains it at the control set point. The pumps are cycled on and off based on the accumulated run times to ensure even wear, increasing equipment reliability while extending the life span of the system. How it works:

- A minimum of one (1) VFD in the system is programmed as “Master/Slave”. This “Master/Slave” VFD has the capability to control the entire multiplex pump system (up to five (5) VFDs). Each “Master/Slave” VFD needs an analog feedback from the process (pressure or flow) connected to its respective analog input.
- Any VFDs in the system that are not programmed for “Master/Slave” operation will be set up in “Slave” mode and will follow commands from the lead “Master/Slave” VFD. A VFD set up as “Slave” is not capable of controlling the Pump Genius™ system.
- To establish a redundant pump configuration, at least two (2) VFDs need to be programmed as “Master/Slave”. The lead “Master/Slave” VFD will control the entire system and the following operating sequence will be followed:
 - ◆ The Pump and Motor with the least run time will be the first to start.
 - ◆ The Pump and Motor with the highest run time will be the first to stop.
 - ◆ A fault condition in the lead VFD such as ‘Communication Loss’, ‘Feedback Signal Lost / Broken Wire’, or a ‘Drive Fault’ will cause the pump system to transfer control to another “Master/Slave” VFD and the pump system will restart.
- VFDs ordered using the “Pump Genius™ - Multiplex” (CFW11xxxxxxZ-PGM) part number are provided with an RS-485 communication module and the ‘Multiplex’ version of Pump Genius™ software installed in the VFD.

PUMP GENIUS



Pump Genius™ - Multiplex Configuration

Pump Genius

Multi Drive Pump System (includes RS-485 communication card installed)

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor											
	1 1/2	6.0	1 1/2	5.0	CFW110006B20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,019	V4	
	2	7.0	2	7.0	CFW110007B20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,091	V4	
	Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor											
	3	10	3	10	CFW110010S20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,187	V4	
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	CFW110007T20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,995	V4	
	3	10	2	8.0	CFW110010T20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,067	V4	
	5	13	3	11	CFW110013T20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,103	V4	
	5	16	5	13	CFW110016T20N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,225	V4	
	7 1/2	24	7 1/2	20	CFW110024T20N1Z-PGM	Yes	B	13.9 x 7.5 x 9.0	23	\$2,799	V4	
	10	28	10	24	CFW110028T20N1Z-PGM	Yes	B	13.9 x 7.5 x 9.0	23	\$3,016	V4	
	10	34	10	28	CFW110033T20N1Z-PGM	Yes	B	13.9 x 7.5 x 9.0	23	\$3,565	V4	
	15	45	15	36	CFW110045T20N1Z-PGM	Yes	C	17.7 x 8.7 x 11.5	46	\$4,016	V4	
	20	54	20	45	CFW110054T20N1Z-PGM	Yes	C	17.7 x 8.7 x 11.5	46	\$4,775	V4	
	25	70	20	56	CFW110070T20N1Z-PGM	Yes	C	17.7 x 8.7 x 11.5	46	\$6,975	V4	
	30	86	25	70	CFW110086T20N1Z-PGM	Yes	D	19.9 x 11.9 x 12.0	72	\$7,597	V4	
	40	105	30	86	CFW110105T20N1Z-PGM	Yes	D	19.9 x 11.9 x 12.0	72	\$9,375	V4	
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor											
	50	142	40	115	CFW110142T20N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$12,024	V4	
60	180	50	142	CFW110180T20N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$15,500	V4		
75	211	60	180	CFW110211T20N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$21,935	V4		

continued on next page

Multi Drive Pump System (includes RS-485 communication card installed) - continued

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
460 Vac	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
	2	3.6	2	3.6	CFW110003T40N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,991	V4
	3	5.0	3	5.0	CFW110005T40N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,025	V4
	5	7.0	3	5.5	CFW110007T40N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,087	V4
	7 1/2	10	5	10	CFW110010T40N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,344	V4
	10	13.5	7 1/2	11	CFW110013T40N1Z-PGM	Yes	A	12.1 x 5.8 x 9.0	13.9	\$2,443	V4
	10	17	10	13.5	CFW110017T40N1Z-PGM	Yes	B	13.9 x 7.5 x 9.0	23	\$2,905	V4
	15	24	10	19	CFW110024T40N1Z-PGM	Yes	B	13.9 x 7.5 x 9.0	23	\$3,367	V4
	20	31	15	25	CFW110031T40N1Z-PGM	Yes	B	13.9 x 7.5 x 9.0	23	\$4,248	V4
	25	38	20	33	CFW110038T40N1Z-PGM	Yes	C	17.7 x 8.7 x 11.5	46	\$4,675	V4
	30	45	25	38	CFW110045T40N1Z-PGM	Yes	C	17.7 x 8.7 x 11.5	46	\$5,775	V4
	40	58.5	30	47	CFW110058T40N1Z-PGM	Yes	C	17.7 x 8.7 x 11.5	46	\$7,008	V4
	50/60	70.5	40	61	CFW110070T40N1Z-PGM	Yes	D	19.9 x 11.9 x 12.0	72	\$7,875	V4
	60/75	88	50	73	CFW110088T40N1Z-PGM	Yes	D	19.9 x 11.9 x 12.0	72	\$9,275	V4
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
	75	105	75	88	CFW110105T40N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$11,025	V4
	100/125	142	75	115	CFW110142T40N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$12,875	V4
	150	180	100/125	142	CFW110180T40N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$17,875	V4
	175	211	150	180	CFW110211T40N1Z-PGM	No	E ⁴	26.6 x 13.2 x 14.1	144	\$21,375	V4
	200	242	150	211	CFW110242T4SZ-PGM	No	F ^{4,5}	48.6 x 16.9 x 14.2	309	\$23,375	V4
	250	312	200	242	CFW110312T4SZ-PGM	No	F ^{4,5}	48.6 x 16.9 x 14.2	309	\$29,741	V4
	300	370	250	312	CFW110370T4SZ-PGM	No	F ^{4,5}	48.6 x 16.9 x 14.2	309	\$31,689	V4
	400	477	300	370	CFW110477T4SZ-PGM	No	F ^{4,5}	48.6 x 16.9 x 14.2	309	\$41,402	V4
	450	515	400	477	CFW110515T4SZ-PGM	No	G ^{4,5}	50 x 21.1 x 16.8	474	\$44,345	V4
	500	601	450	515	CFW110601T4SZ-PGM	No	G ^{4,5}	50 x 21.1 x 16.8	474	\$50,463	V4
	600	720	500	560	CFW110720T4SZ-PGM	No	G ^{4,5}	50 x 21.1 x 16.8	474	\$59,705	V4

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) Maximum 45°C ambient temperature without derating
 - 5) IP20 enclosure protection level
- For other technical data please refer to WEG product manual.

CFW08 WASH

The WEG CFW08 WASH Series is a redesign of our successful uline VFDs. Engineering improvements have produced one of the most compact and full featured microdrives in the marketplace.

Outstanding features and options in a NEMA 4 enclosure allow the CFW08 WASH to be successfully used in a large variety of applications.

Standard Features

- Same programming as other WEG VFD's
- V/Hz and Sensorless Vector Control
- NEMA 4X(IP56) Enclosure
- Single and Three-phase input voltage
- 200-240V, 380-480V or 500-600 input voltage
- 150% current overload capacity
- 16 bit DSP controlled PWM output
- 2.5 / 5 / 10 / 15 kHz adjustable swiching frequency
- Four isolated programmable digital inputs
- Two programmable relay outputs (1NO, 1NC, 240vac 0.5A)
- Two isolated programmable analog inputs (0-10V, 0/4-20mA)
- Protective features: Over current, motor overload, drive over temperature, output phase-to-phase and phase-to-ground short circuit, DC bus over and under voltage and external fault
- Control features: Linear and "S" ramp acceleration and deceleration, local/remote control, DC braking, torque boost, motor slip compensation, electronic pot, preset speeds, adjustable V/Hz profile, maximum and minimum adjustable frequency limits, two skip frequencies, adjustable output current limit, JOG, ride-thru, flying start and PID regulator.
- Display readings: Motor speed, frequency, voltage, current, last fault, heatsink temperature and drive status
- Ambient: 32°F (0°C) to 104°F (40°C), 3300ft (1000m) altitude, 90% humidity, non-condensing
- SuperDrive (G1) compatible



Applications NEMA 4X

- Pumps
- Fans
- Blowers
- Conveyors
- Rollout tables
- Agitators
- Mixers
- Any washdown applications

Optional Features

- Dynamic Braking Resistors available
 - Remote Keypad with Copy Function
 - RS-232 or RS-485 Serial Interface
 - Modbus Communication*
 - DIN rail mounting through 2HP
- *Requires optional RS-232 or RS-485 Interface



CFW08 WASH Catalog Number Sequence

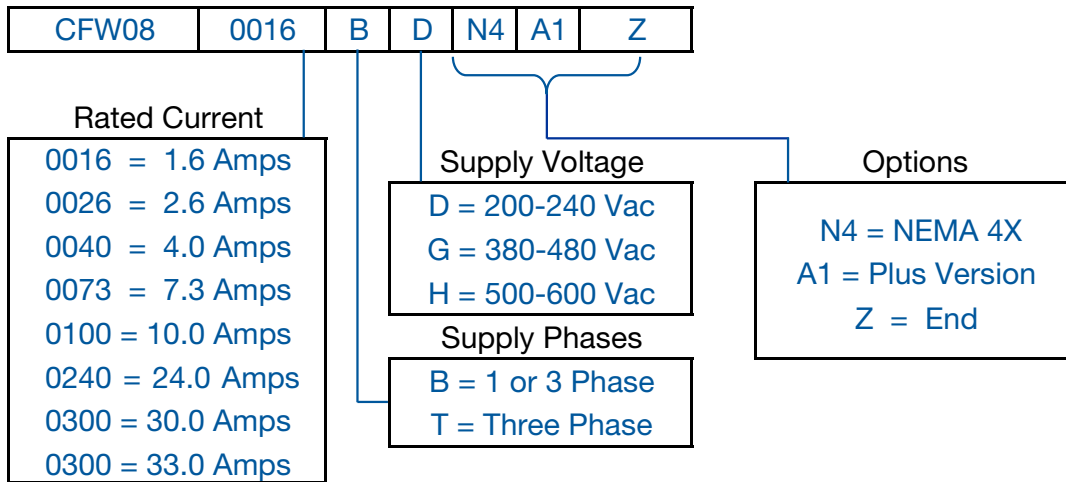


Table intended as reference only and not to create part numbers.



CFW08 Wash

Wash Down - NEMA 4X Enclosure

Motor Voltage	Motor HP ¹	Drive Amps ²	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac								
	2	7.3	CFW080073BDN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$929	V1W (V1)
	3	10.0	CFW080100BDN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$1,039	V1W (V1)
	Input Power Supply: Three-Phase 230 Vac								
	5	16	CFW080160TDN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$1,228	V1W (V1)
	7 1/2	22	CFW080220TDN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$1,769	V1W (V1)
	10	28	CFW080280TDN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,266	V1W (V1)
10	33	CFW080330TDN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,955	V1W (V1)	
460 Vac	Input Power Supply: Three-Phase 380-480 Vac								
	1	2.7	CFW080027TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$894	V1W (V1)
	2	4.3	CFW080043TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$1,118	V1W (V1)
	3	6.5	CFW080065TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$1,331	V1W (V1)
	5	10	CFW080100TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	\$1,516	V1W (V1)
	7 1/2	13	CFW080130TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$1,856	V1W (V1)
	10	16	CFW080160TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,144	V1W (V1)
	15	24	CFW080240TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,876	V1W (V1)
20	30	CFW080300TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$3,474	V1W (V1)	
575 Vac ³	Input Power Supply: Three-Phase 500-600 Vac								
	1	1.7	CFW080017THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$1,259	V1W (V1)
	2	3.0	CFW080030THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$1,421	V1W (V1)
	3	4.3	CFW080043THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$1,485	V1W (V1)
	5	7.0	CFW080070THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$1,767	V1W (V1)
	7 1/2	10	CFW080100THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,077	V1W (V1)
10	12	CFW080120THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,388	V1W (V1)	

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 3) All 575V drives are non-stocked items. Consult WEG for availability.
- For other technical data please refer to WEG product manual.

CFW08 WASH



Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier New (Old)
Keypad	HMI-CFW08-RS	NEMA12 Remote Keypad (requires MIS-CFW08-RS & cable)	\$135	V1W (V1)
	MIS-CFW08-RS	Remote Keypad Interface	\$64	V1W (V1)
	CAB-RS-1	3.3 ft (1m) Remote Keypad Cable	\$23	GA (V1)
	CAB-RS-2	6.6 ft (2m) Remote Keypad Cable	\$31	GA (V1)
	CAB-RS-3	9.9 ft (3m) Remote Keypad Cable	\$41	GA (V1)
	CAB-RS-5	16 ft (3m) Remote Keypad Cable	\$51	GA (V1)
	CAB-RS-7.5	25 ft (7.5m) Remote Keypad Cable	\$62	GA (V1)
	CAB-RS-10	33 ft (10m) Remote Keypad Cable	\$72	GA (V1)
I/O	KAC-120-CFW08	120VAC Digital Input Adaptor Board (4 inputs)	\$145	V1W (V1)
Communication	KCS-CFW08	RS-232 Serial Comm. Module (mounted in place of keypad)	\$97	V1W (V1)
	KSD-CFW08	PC Communication Kit	\$124	V1W (V1)
	KRS-485-CFW08	Interface for RS-485 Communication	\$186	V1W (V1)
DC Power Supply	KDC-24V-CFW08	24VDC power supply with standard CFW08 HMI integrated	\$177	V1W (V1)
	KDC-24VR-CFW08	24VDC power supply with interface for remote keypad	\$211	V1W (V1)



CFW08 Wash

10% Duty Cycle

Motor Voltage	Motor HP ¹	CFW08 Catalog Number	WEG DB Resistor Catalog Number ²	Ohms	Watts	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac						
	2	CFW080073BDN4A1Z	CFDB39-224	39	224	\$183	GA (V1)
	3	CFW080100BDN4A1Z	CFDB27-298	27	298	\$183	GA (V1)
	5	CFW080160TDN4A1Z	CFDB22-373	22	373	\$183	GA (V1)
	7 1/2	CFW080220TDN4A1Z	CFDB15-560	15	560	\$319	GA (V1)
	10	CFW080280TDN4A1Z	CFDB10-746	10	746	\$319	GA (V1)
460 Vac	Input Power Supply: Three-Phase 380-480 Vac						
	1	CFW080027TGN1A1Z	CFDB120-298	120	298	\$183	GA (V1)
	2	CFW080043TGN1A1Z	CFDB120-298	120	298	\$183	GA (V1)
	3	CFW080065TGN1A1Z	CFDB100-224	100	224	\$183	GA (V1)
	5	CFW080100TGN1A1Z	CFDB47-746	47	746	\$319	GA (V1)
	7 1/2	CFW080130TGN1A1Z	CFDB33-746	33	746	\$319	GA (V1)
	10	CFW080160TGN1A1Z	CFDB33-746	33	746	\$319	GA (V1)
	15	CFW080240TGN1A1Z	CFDB22-1119	22	1119	\$481	GA (V1)
20	CFW080300TGN1A1Z	CFDB18-1492	18	1492	\$638	GA (V1)	

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability

Technical Data

Power Supply	Voltage	Single Phase or Three Phase	200-240V (+10%, -15%)
		Three phase	380-480V (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.98	
Enclosure	Degree of Protection	NEMA 4	
Control	Control Modes	Volts per Hertz (Scalar)	
		Sensorless Voltage Vector VVV	
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	2.5, 5, 10 or 15kHz	
	Frequency Range	0-300 Hz	
Overload Capacity	150% for 60 seconds, repeatable every 10 min.		
Control Inputs	4 programmable isolated digital inputs, NPN or 24Vdc logic (PNP)		
	2 programmable differential analog inputs; programmable for current or voltage Can be set as DI or as PTC input (0-10V, 4-20mA or 0-20mA)		
Control Outputs	2 programmable relay outputs: One NO (Form A) and one NC (Form B): 240 V / 0.5 A		
	1 Output with independent NO and NC at a same common		
	1 Analog Output; programmable for voltage (0-10V) or current (0-20 mA or 4-20 mA) and with 0.25% linearity error		
Communication	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	Modbus RTU with external RS-232/485 converter	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	32° - 104°F (40°C), up to 122°F (50°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
Regulatory Conformance	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility – Industrial Environment EMC Emission and Immunity with optional filter	
	ENC61800-3		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508 C	Power Conversion Equipment	
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current, PID Controller		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		
Mounting	Surface mounting with screws.		

CFW08
WASH

WEG HVAC-R Products

Drive Features

- RFI filter built-in for all frame sizes
- BACnet, Metasys N2 and Modbus-RTU embedded using the RS-485 port
- Thermal Management for drive fan control
- Soft PLC Function
- Process feedback in engineering units
- Direct/Reverse PID Control Selection
- Control Set point

Performance Features

- Overload capacity: nominal 110% for 60sec. (150% peak)
- Adjustable accel/decel: 0.0 to 900.0 Sec.
- Controlled speed range: 1:20
- Critical frequency avoidance: 3 selectable, adjustable bands
- Torque-limiting: 30-180%
- Torque boost: full range, automatic
- Fault Auto-Reset with programmable time interval
- Feedback signal loss detection
- Serial communications loss detection
- "Up/Down" floating point control capability (PI)
- Sleep function
- Run-permissive input

Drive and Motor Protection Features

- Current-limited stall prevention
- Heat sink over-temperature, speed fold-back
- Bi-directional start into rotating motor
- Optically-isolated controls
- Output short circuit protection: Phase-phase and phase-neutral
- Output Ground Fault Protection
- Electronic motor overload: UL
- Fault display: last 10 faults

Control Features

Power Saving Flux Optimization - (Energy Saving Algorithm) Stator flux is controlled so that motor losses are reduced increasing motor efficiency

Fire Mode – Forces the drive to override its internal faults and protections, allowing the drive and motor to run during extreme conditions

Dry Pump – Monitors motor torque and prevents the pump from running with no load

Sleep / Wake-Up Mode – Prevents prolonged motor operation at low speeds for a programmable amount of time. Wake-up mode determines when the drive and motor resume normal operation

Bypass function – Allows the VFD to be bypassed and the motor to be run across the line

Short Cycling Protection – Prevents repetitive motor restarting after short periods of time

Broken Belt Protection – Monitors motor torque preventing it from running with no load in case of a broken belt or coupling

Filter Maintenance Alarm – A warning for filter maintenance is displayed on the keypad based on an adjustable time interval (time is programmed in the drive)

PTC function – Using drive I/O, PTC thermal sensors can be monitored to prevent motor overheating

Main PID Controller – Internal PID loops available for drive control



CFW501

The WEG CFW501 series of variable frequency drives for heating, ventilation, air conditioning and refrigeration was designed with the features and functions required for modern HVAC systems. The CFW501 is designed with the same reliability, robustness and energy-efficient control known in our industrial lines. WEG now brings this technology to office buildings, hospitals, airports, hotels, shopping centers or other similar facilities.

CFW501 Features

- CFW501 Ratings: 1/3-7 1/2 HP @ 230 Vac; 1/2-25 HP @ 480 Vac.
- Conformal Coated Circuit Boards - provides protection against dust, humidity, high temperature and chemicals
- Pelnum Rated with NEMA1 Kit - Meets UL94 Requirements
- IP20 enclosure with NEMA 1 conversion kits available
- Harmonics - Meets IEC 61000-3-12 requirements
 - No line reactor required
 - No restrictions for installation, no minimum line impedance required
- Communications - BACnet MS/TP | Metasys N2 | Modbus-RTU native to the drive
- Heat sink and internal temperature monitoring provides protection for critical components such as IGBTs and circuit boards
- Fan operation is controlled based on the temperature of power modules
 - Reduces energy consumption when drive is not supplying power to the motor



Applications

- | | |
|---|--|
| <ul style="list-style-type: none"> • Hospitals • Airports • Shopping Malls • Sports Facilities • Schools and Universities • Hotels and Restaurants • Condominium and Residential • Municipal and Commercial Buildings | <ul style="list-style-type: none"> • Chillers and Compressors • Cooling Towers • Boiler Circulation Pumps • Chill Water Circulation Pumps • Exhaust Fans • Clean Room Air Handling • Tunnel Ventilation |
|---|--|

CFW501



CFW501 Catalog Number Sequence

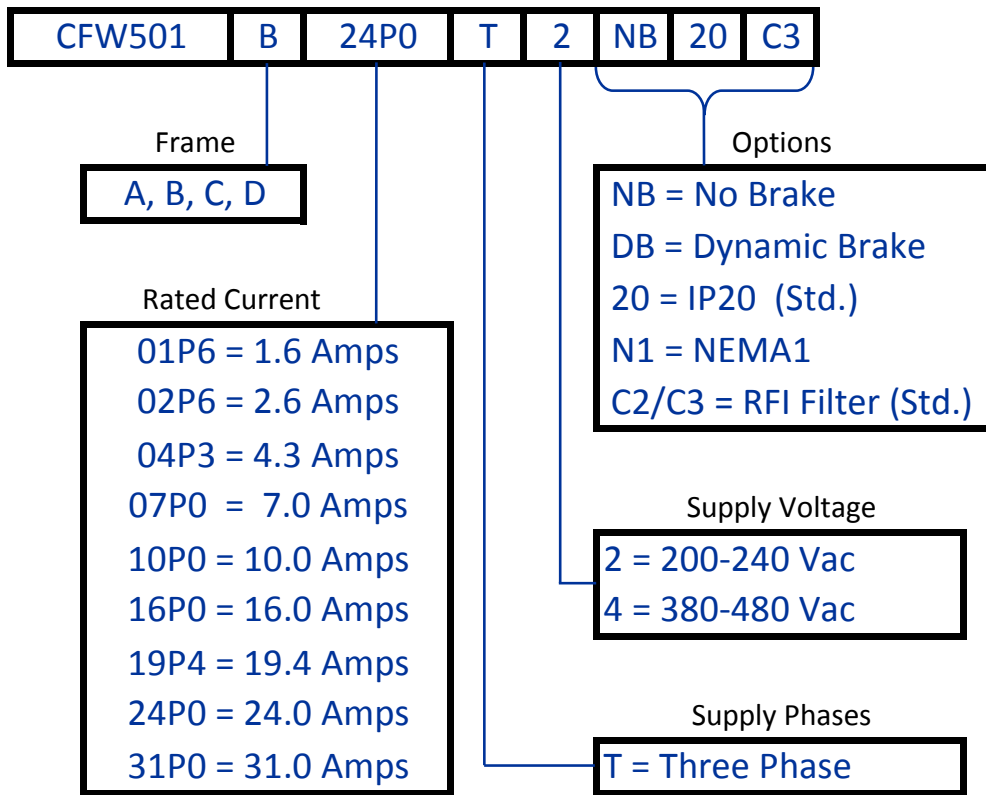


Table intended as reference only and not to create part numbers.

CFW501 IP20 Enclosure

Motor Voltage	ND / VT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁴	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-230 Vac without Dynamic Braking Transistor								
	1/3	1.6	CFW501A01P6T2NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$563	V3
	3/4	2.6	CFW501A02P6T2NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$601	V3
	1 1/2	4.3	CFW501A04P3T2NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$652	V3
	2	7.0	CFW501A07P0T2NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$736	V3
	3	9.6	CFW501A09P6T2NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$804	V3
	4	12.2	CFW501A12P2T2NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$873	V3
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor								
	5	16.0	CFW501B16P0T2DB20C3	Yes	B	7.9 x 4.0 x 6.3	2.7	\$1,009	V3
	7 1/2	19.4	CFW501B19P4T2DB20C3	Yes	B	7.9 x 4.0 x 6.3	2.7	\$1,111	V3
	7 1/2	24.0	CFW501C24P0T2DB20C3	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,552	V3
	460 Vac	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor							
1/2		1.0	CFW501A01P0T4NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$745	V3
1		1.6	CFW501A01P6T4NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$761	V3
1 1/2		2.6	CFW501A02P6T4NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$799	V3
3		4.3	CFW501A04P3T4NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$917	V3
5		6.1	CFW501A06P1T4NB20C3	No	A	7.5 x 3.0 x 5.9	1.8	\$1,051	V3
Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor									
1 1/2		2.6	CFW501B02P6T4DB20C3	Yes	B	7.9 x 4.0 x 6.3	2.7	\$835	V3
3		4.3	CFW501B04P3T4DB20C3	Yes	B	7.9 x 4.0 x 6.3	2.7	\$958	V3
5		6.5	CFW501B06P5T4DB20C3	Yes	B	7.9 x 4.0 x 6.3	2.7	\$1,092	V3
7 1/2		10.0	CFW501B10P0T4DB20C3	Yes	B	7.9 x 4.0 x 6.3	2.7	\$1,299	V3
10		14.0	CFW501C14P0T4DB20C2	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,609	V3
10		16.0	CFW501C16P0T4DB20C2	Yes	C	8.3 x 5.3 x 6.5	4.4	\$1,886	V3
15		24.0	CFW501D24P0T4DB20C3	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,321	V3
25		31.0	CFW501D31P0T4DB20C3	Yes	D	12.1 x 7.1 x 6.6	9.5	\$2,716	V3

***See p. 22 for Option Modules.

Notes:

- 1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) Dimensions are provided for estimating purposes only.
- For other technical data please refer to WEG product manual.

CFW501

Technical Data

Power Supply	Voltage	Single Phase or Three Phase	200-240 Vac (+10%, -15%)
		Three phase	380-480 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
Enclosure	Degree of Protection	IP 20	
	Mounting	Surface mounting with screws or DIN rail mounting	
Control	Control Modes	Volts per Hertz (Scalar)	
		Sensorless Voltage Vector	
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	2.5, 5, 10 or 15kHz	
	Frequency Range	0-300 Hz	
	Overload Capacity	110% for 60 seconds, repeatable every 10 min.	
Control Inputs	4 programmable isolated digital inputs, NPN or 24Vdc logic (PNP)		
	2 programmable differential analog inputs; programmable for current or voltage Can be set as DI or as PTC input (0-10V, 4-20mA or 0-20mA)		
Control Outputs	2 Programmable relay Outputs: Form C (240V / 0.5A).		
	1 Programmable Transistor Output (Max. 150mA @ 24VDC). 1 Programmable differential analog Output; Programmable for current or voltage.		
Communication	Serial	2 x RS-485 Ports (Modbus RTU, BACnet & Metasys N2 as a standard)	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	32 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% / 330ft (100m) output current derating	
Regulatory Conformance	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility – Industrial Environment EMC Emission and Immunity with optional filter	
	ENC61800-3		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508 C	Power Conversion Equipment	
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		

CFW701 HVAC-R Drives

WEG, a leading supplier of drive technology, as well as automation solutions, has enhanced the line of variable frequency drives for heating, ventilation, air conditioning and refrigeration. The CFW701 was designed with the features and functions required for HVAC systems, with the same reliability, robustness and energy-efficient control known in our industrial lines. WEG now brings this technology to hospitals, airports, office buildings, hotels, shopping centers or other similar facilities.

Standard Features

- VFD life-time is extended: protects against dust, humidity, high temperature and chemicals
- Plenum Rated - Meets UL94 Requirements
- Meets IEC 61000-3-12 requirements with built-in DC link chokes
- No line reactor required
- No restrictions for installation, minimum impedance is not required
- BACnet MS/TP | Metasys N2 | Modbus-RTU Communications
- Monitor heat sink and inside air temperature for better protection to critical components e.g. IGBTs and control board
- Fans installed closed to heatsink are controlled based on the temperature of power modules
- Readings of fan operation hours can be analyzed through parameters and alarm or fault messages are displayed
- Easy removal of fans for easy maintenance and/or replacement



Applications

- | | |
|----------------------------|--------------------------|
| • Hospitals | • Airports |
| • Malls | • Stadiums |
| • Schools and Universities | • Hotels and Restaurants |
| • Commercial buildings | • Residential |
| • Pumps and Fans | • Compressors |
| • Condensers | • Evaporators |
| • Cooling towers | • Boilers/Chillers |

CFW701



CFW701 Catalog Number Sequence

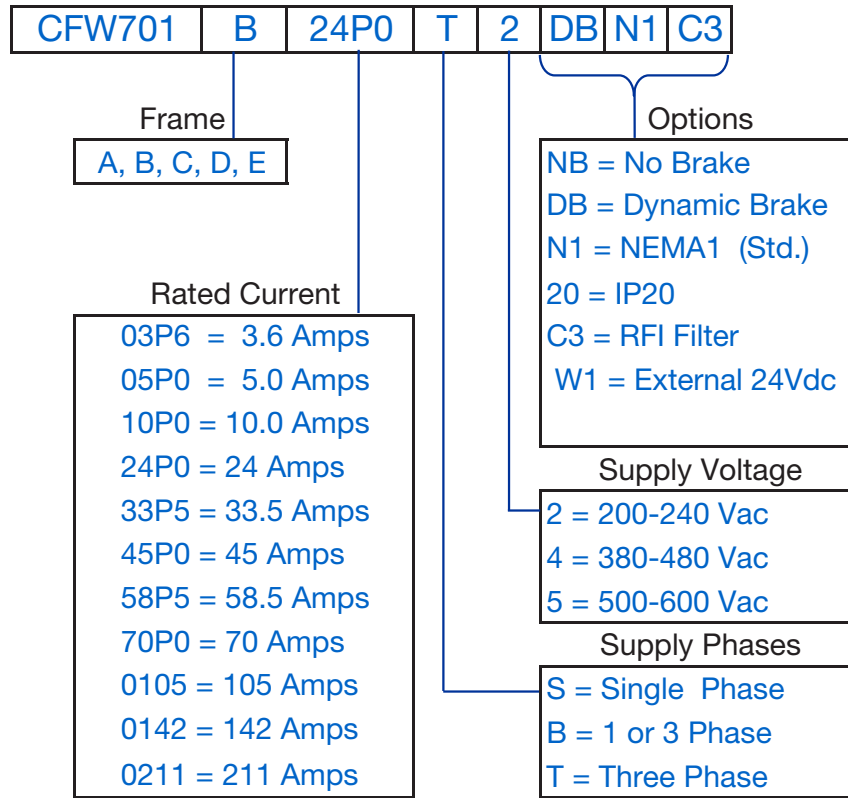


Table intended as reference only and not to create part numbers.

CFW701



NEMA 1 Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.)	List Price	Multiplier	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor												
230 Vac	1 1/2	6.0	1 1/2	5.0	CFW701A06POS2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,370	V3	
	2	7.0	2	7.0	CFW701A07POS2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,430	V3	
	3	10	3	10	CFW701A10POS2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,510	V3	
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	CFW701A07POT2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,350	V3	
	3	10	2	8.0	CFW701A10POT2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,410	V3	
	5	13	3	11	CFW701A13POT2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,440	V3	
	5	16	5	13	CFW701A16POT2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,542	V3	
	7 1/2	24	7 1/2	20	CFW701B24POT2DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,020	V3	
	10	28	10	24	CFW701B28POT2DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,201	V3	
	10	33.5	10	28	CFW701B33P5T2DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,600	V3	
	15	45	15	36	CFW701C45POT2DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	\$2,900	V3	
	20	54	20	45	CFW701C54POT2DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	\$3,700	V3	
	25	70	20	56	CFW701C70POT2DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	\$4,880	V3	
	30	86	25	70	CFW701D86POT2DBN1C3	Yes	D	19.9 x 11.9 x 12.0	120.2	\$6,101	V3	
40	105	30	86	CFW701D0105T2DBN1C3	Yes	D	19.9 x 11.9 x 12.0	120.2	\$8,100	V3		
Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor												
50	142	40	115	CFW701E0142T2NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$10,101	V3		
60	180	50	142	CFW701E0180T2NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$12,999	V3		
75	211	60	180	CFW701E0211T2NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$18,555	V3		
Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor												
460 Vac	2	3.6	2	3.6	CFW701A03P6T4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,350	V3	
	3	5.0	3	5.0	CFW701A05POT4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,444	V3	
	5	7.0	3	5.5	CFW701A07POT4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,510	V3	
	7 1/2	10	5	10	CFW701A10POT4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,600	V3	
	10	13.5	7 1/2	11	CFW701A13P5T4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,711	V3	
	10	17	10	13.5	CFW701B17POT4DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,055	V3	
	15	24	10	19	CFW701B24POT4DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,455	V3	
	20	31	15	25	CFW701B31POT4DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$3,450	V3	
	25	38	20	33	CFW701C38POT4DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	\$3,888	V3	
	30	45	25	38	CFW701C45POT4DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,000	V3	
	40	58.5	30	47	CFW701C58P5T4DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,800	V3	
	50/60	70.5	40	61	CFW701D70P5T4DBN1C3	Yes	D	19.9 x 11.9 x 12.0	120.2	\$6,888	V3	
	75	88	50	73	CFW701D88POT4DBN1C3	Yes	D	19.9 x 11.9 x 12.0	120.2	\$8,100	V3	
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor											
	75	105	75	88	CFW701E0105T4NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$9,999	V3	
100/125	142	75	115	CFW701E0142T4NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$12,000	V3		
150	180	100	142	CFW701E0180T4NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,400	V3		
175	211	150	180	CFW701E0211T4NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$18,787	V3		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) All 575V drives are non-stocked items. Consult WEG for availability.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Dimensions are provided for estimating purposes only.
- For other technical data please refer to WEG product manual.

CFW701

NEMA 1 Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
575 Vac ⁴	Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor										
	2	2.9	2	2.7	CFW701B02P9T5DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,689	V3
	3	4.2	3	3.8	CFW701B04P2T5DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,759	V3
	7 1/2	7.0	5	6.5	CFW701B07P0T5DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,874	V3
	10	10	7 1/2	9.0	CFW701B10P0T5DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,048	V3
	10	12	10	10	CFW701B12P0T5DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,171	V3
	15	17	15	17	CFW701B17P0T5DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,552	V3
	Input Power Supply: Three-Phase 500-600 Vac without Dynamic Braking Transistor										
	20	22	20	19	CFW701D22P0T5NBN1C3	No	D	19.9 x 11.9 x 12.0	120.2	\$3,921	V3
	25	27	20	22	CFW701D27P0T5NBN1C3	No	D	19.9 x 11.9 x 12.0	120.2	\$4,450	V3
	30	32	25	27	CFW701D32P0T5NBN1C3	No	D	19.9 x 11.9 x 12.0	120.2	\$5,763	V3
	40	44	30	36	CFW701D44P0T5NBN1C3	No	D	19.9 x 11.9 x 12.0	120.2	\$6,768	V3
	50	53	40	44	CFW701E53P0T5NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$8,446	V3
	60	63	50	53	CFW701E63P0T5NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$10,728	V3
	75	80	75	66	CFW701E80P0T5NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$11,200	V3
	100	107	100	90	CFW701E0107T5NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,042	V3
	125	125	100	107	CFW701E0125T5NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,662	V3
	150	150	125	122	CFW701E0150T5NBN1C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$21,723	V3

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) All 575V drives are non-stocked items. Consult WEG for availability.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Dimensions are provided for estimating purposes only.
- For other technical data please refer to WEG product manual.

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier New (Old)
Communication	CFW-LonWorks® 1	LonWorks Gateway Module - Connects CFW501 or CFW701 RS-485 to LonWorks network	\$1,100	GA (V1)
I/O	CCK-01	Relay Output Module for CFW700 and CFW701, 2 Form C Relay Outputs	\$105	GA (V1)
Flash Memory	MMF-02	Flash Memory Module for CFW700 and CFW701	\$71	GA (V1)
Keypad and Accessories	HMI-03	CFW701 Standard Keypad with USB	\$320	GA (V3)
	RHMIF-03	CFW701 Remote Keypad Frame Kit	\$69	GA (V3)
	HMID-01	Blank Keypad Cover for Keypad Slot (CFW11, CFW700 & CFW701)	\$54	GA (V1)
Remote Keypad Cable	IHM-CAB-RS-1M	3.3 ft (1 meter) Remote Keypad Cable (CFW11 & CFW700)	\$54	GA (V1)
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable (CFW11 & CFW700)	\$60	GA (V1)
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11 & CFW700)	\$66	GA (V1)
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11 & CFW700)	\$75	GA (V1)
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable (CFW11 & CFW700)	\$90	GA (V1)
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11 & CFW700)	\$102	GA (V1)
Remote Oper. Station	CSW-SP3PBS	Remote Operator Station-includes 22mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$460	Z5
	CSW30-SP3PBS	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$535	Z55 (Z5)
Conduit Kit	KN1A-02	Conduit Kit for frame size A with power cables shielding	\$125	GA (V1)
	KN1B-02	Conduit Kit for frame size B with power cables shielding	\$125	GA (V1)
	KN1C-02	Conduit Kit for frame size C with power cables shielding	\$142	GA (V1)
	KN1E-01	Top cover kit for frame size E (105 & 142A)	\$78	GA (V1)
	KN1E-02	Top cover kit plus Conduit kit for frame size E (180 & 211A)	\$213	GA (V1)
	KIP21D-01	IP21 Kit for Frame size D (top cover) (CFW11 & CFW700)	\$120	GA (V1)
Cable Shield Kit	PCSA-01	Power Cables Shielding Kit for frame size A (CFW11 & CFW700)	\$48	GA (V1)
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11 & CFW700)	\$51	GA (V1)
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11 & CFW700)	\$54	GA (V1)
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11 & CFW700)	\$56	GA (V1)
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11 & CFW700)	\$76	GA (V1)

Notes:

1) Compatible with CFW501 and CFW701 only.

CFW701

Technical Data

Power Supply	Voltage	Single Phase or Three Phase	200-240 Vac (+10%, -15%)
		Three phase	380-480 Vac, 500-600 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.98	
Enclosure	Degree of Protection	NEMA 1	
Control	Control Modes	Volts per Hertz (Scalar)	Voltage Vector (VWV)
		Sensorless Vector	Vector with encoder
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	1.25, 2.0, 2.5, 5.0 or 10.0 kHz	
	Frequency Range	0-300 Hz in Scalar Mode; 120 Hz in Vector Mode	
	Overload Capacity	CT = Constant Torque, 150% overload / 60 sec. VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.	
Control Inputs	8 programmable isolated digital inputs, 24Vdc logic		
	3 isolated programmable differential analog inputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
	Motor thermistor - PTC/PT100/KTY84		
Control Outputs	2 programmable relay output; NO/NC (Form C); 240Vac, 30Vdc / 0.75 A		
	3 programmable isolated open collector digital outputs; 24Vdc, 80mA max.		
	2 non-isolated programmable analog outputs 10 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
Communication	Field Bus	Modbus RTU, BACnet & Metasys N2 as a standard, over RS-485.	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-90% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
Regulatory / Safety Conformance	IEC 60146	Semiconductor convertors	
	UL 508 C	Power Conversion Equipment	
	UL 840	Insulation coordination including clearances and creepage distances for electrical equipment.	
	UL 94	Plenum Rated - Meets UL94 Standard for Tests for Flammability	
	EN 50178	Electronic equipment for use in power installations	
	EN 61800-2	General requirements adjustable speed electrical power drive systems	
	EN 61800-3	EMC product standard including specific test methods adjustable speed electrical power drive systems	
	EN 61800-5-1	Safety requirements adjustable speed electrical power drive systems	
	EN 60204-1	Safety of machinery. Electrical equipment of machines. Part 1: General requirements.	
	RoHS and WEEE Guidelines		
Approvals	UL, cUL, CE, C-Tick, GOST, IIRAM		
Special Functions	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current, PID Controller		
Keypad	Backlit LCD display with 9 operator keys, remote mounting option available		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		



NON-STOCK (call for lead time)

Dynamic Braking Resistors for CFW701

100% Braking Torque at 20% Duty Cycle (12 Seconds Max. Braking Time)

NEMA 1 Enclosure

Motor Voltage	Motor HP ¹	CFW11 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier New (Old)
230 Vac	1 1/2	CFW701A06POS2DBN1C3	CFDB2-125-224	125	224	5 x 12 x 5	\$525	GA (V1)
	2	CFW701A07POS2DBN1C3	CFDB2-95-298	95	298	5 x 12 x 7	\$825	GA (V1)
	2	CFW701A07POT2DBN1C3	CFDB2-95-298	95	298	5 x 12 x 7	\$825	GA (V1)
	3	CFW701A10POS2DBN1C3	CFDB2-63-448	63	448	5 x 12 x 7	\$825	GA (V1)
	3	CFW701A10POT2DBN1C3	CFDB2-63-448	63	448	5 x 12 x 7	\$825	GA (V1)
	5	CFW701A13POT2DBN1C3	CFDB2-38-746	38	746	5 x 12 x 10	\$1,025	GA (V1)
	5	CFW701A16POT2DBN1C3	CFDB2-38-746	38	746	5 x 12 x 10	\$1,025	GA (V1)
	7 1/2	CFW701B24POT2DBN1C3	CFDB2-26-1119	26	1,119	5 x 12 x 13	\$1,225	GA (V1)
	10	CFW701B28POT2DBN1C3	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,430	GA (V1)
	10	CFW701B33P5T2DBN1C3	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,430	GA (V1)
	15	CFW701C45POT2DBN1C3	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	\$1,775	GA (V1)
	20	CFW701C54POT2DBN1C3	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	\$1,775	GA (V1)
	25	CFW701C70POT2DBN1C3	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	\$2,150	GA (V1)
	30	CFW701D86POT2DBN1C3	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	\$2,780	GA (V1)
	40	CFW701D0105T2DBN1C3	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	\$3,510	GA (V1)
460 Vac	2	CFW701A03P6T4DBN1C3	CFDB2-375-298	375	298	5 x 12 x 7	\$825	GA (V1)
	3	CFW701A05POT4DBN1C3	CFDB2-250-448	250	448	5 x 12 x 7	\$825	GA (V1)
	5	CFW701A07POT4DBN1C3	CFDB2-150-746	150	746	5 x 12 x 10	\$1,025	GA (V1)
	7 1/2	CFW701A10POT4DBN1C3	CFDB2-100-1119	100	1,119	5 x 12 x 13	\$1,225	GA (V1)
	10	CFW701A13P5T4DBN1C3	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,430	GA (V1)
	10	CFW701B17POT4DBN1C3	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,430	GA (V1)
	15	CFW701B24POT4DBN1C3	CFDB2-50-2238	50	2,238	5 x 19 x 13	\$1,965	GA (V1)
	20	CFW701B31POT4DBN1C3	CFDB2-38-2984	38	2,984	5 x 19 x 16	\$2,365	GA (V1)
	25	CFW701C38POT4DBN1C3	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	30	CFW701C45POT4DBN1C3	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	\$2,700	GA (V1)
	40	CFW701C58P5T4DBN1C3	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	\$3,155	GA (V1)
	50/60	CFW701D70P5T4DBN1C3	CFDB2-15-8952	15	8,952	10 x 28 x 13	\$4,635	GA (V1)
	75	CFW701D88POT4DBN1C3	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$6,050	GA (V1)

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
- 3) Dimensions are provided for estimating purposes only.

CFW701

Variable Frequency Drives



Dynamic Braking Resistors for CFW701

NON-STOCK (call for lead time)

100% Braking Torque at 50% Duty Cycle (30 Seconds Max. Braking Time)

NEMA1 Enclosure

Motor Voltage	Motor HP ¹	CFW701 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier New (Old)
230 Vac	1 1/2	CFW701A06P0S2DBN1C3	CFDB5-125-560	125	560	5 x 12 x 10	\$1,025	GA (V1)
	2	CFW701A07P0S2DBN1C3	CFDB5-95-746	95	746	5 x 12 x 10	\$1,025	GA (V1)
	2	CFW701A07P0T2DBN1C3	CFDB5-95-746	95	746	5 x 12 x 10	\$1,025	GA (V1)
	3	CFW701A10P0S2DBN1C3	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,225	GA (V1)
	3	CFW701A10P0T2DBN1C3	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,225	GA (V1)
	5	CFW701A13P0T2DBN1C3	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,965	GA (V1)
	5	CFW701A16P0T2DBN1C3	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,965	GA (V1)
	7 1/2	CFW701B24P0T2DBN1C3	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	\$2,700	GA (V1)
	10	CFW701B28P0T2DBN1C3	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	10	CFW701B33P5T2DBN1C3	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,700	GA (V1)
	15	CFW701C45P0T2DBN1C3	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	\$3,155	GA (V1)
	20	CFW701C54P0T2DBN1C3	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	\$4,990	GA (V1)
	25	CFW701C70P0T2DBN1C3	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	\$4,990	GA (V1)
	30	CFW701D86P0T2DBN1C3	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	\$5,620	GA (V1)
	40	CFW701D0105T2DBN1C3	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	\$7,225	GA (V1)
460 Vac	2	CFW701A03P6T4DBN1C3	CFDB5-375-746	375	746	5 x 12 x 13	\$1,225	GA (V1)
	3	CFW701A05P0T4DBN1C3	CFDB5-250-1119	250	1,119	5 x 12 x 16	\$1,630	GA (V1)
	5	CFW701A07P0T4DBN1C3	CFDB5-150-1865	150	1,865	5 x 19 x 13	\$1,840	GA (V1)
	7 1/2	CFW701A10P0T4DBN1C3	CFDB5-100-2798	100	2,798	5 x 19 x 16	\$2,365	GA (V1)
	10	CFW701A13P5T4DBN1C3	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$3,155	GA (V1)
	10	CFW701B17P0T4DBN1C3	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$3,155	GA (V1)
	15	CFW701B24P0T4DBN1C3	CFDB5-50-5595	50	5,595	10 x 28 x 13	\$4,555	GA (V1)
	20	CFW701B31P0T4DBN1C3	CFDB5-38-7460	38	7,460	10 x 28 x 13	\$4,555	GA (V1)
	25	CFW701C38P0T4DBN1C3	CFDB5-30-9325	30	9,325	10 x 28 x 16	\$5,050	GA (V1)
	30	CFW701C45P0T4DBN1C3	CFDB5-25-11190	25	11,190	10 x 28 x 16	\$5,425	GA (V1)
	40	CFW701C58P5T4DBN1C3	CFDB5-19-14920	19	14,920	24 x 30 x 18	\$9,460	GA (V1)
	50/60	CFW701D70P5T4DBN1C3	CFDB2-15-22380	15	22,380	24 x 30 x 18	\$10,865	GA (V1)
75	CFW701D88P0T4DBN1C3	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$15,605	GA (V1)	

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
- 3) Dimensions are provided for estimating purposes only.

CFW701



NON-STOCK (call for lead time)

Line and Load Reactors for VFDs

3% Z (Impedance) – NEMA 1 Enclosure

Motor Voltage	Motor HP	Reactor Amps	Catalog Number	Dimensions (in.) ¹ HxWxD	Approx. Weight (lbs.) ¹	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Three-Phase 230 Vac						
	3	12	LRW012D3N1	8 x 8 x 6	16	\$671	GA (V1)
	5	18	LRW018D3N1	8 x 8 x 6	16	\$790	GA (V1)
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42	\$910	GA (V1)
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45	\$972	GA (V1)
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54	\$1,162	GA (V1)
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55	\$1,371	GA (V1)
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74	\$1,396	GA (V1)
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78	\$1,671	GA (V1)
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60	\$1,807	GA (V1)
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71	\$2,192	GA (V1)
75	200	LRW200D3N1	13 x 13.3 x 13.1	79	\$2,286	GA (V1)	
460 Vac	Input Power Supply: Three-Phase 460 Vac						
	1 1/2	2	LRW002G3N1	8 x 8 x 6	11	\$595	GA (V1)
	2, 3	4	LRW004G3N1	8 x 8 x 6	11	\$612	GA (V1)
	5	8	LRW008G3N1	8 x 8 x 6	14	\$656	GA (V1)
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16	\$693	GA (V1)
	10	18	LRW018G3N1	8 x 8 x 6	16	\$803	GA (V1)
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42	\$972	GA (V1)
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45	\$1,007	GA (V1)
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54	\$1,315	GA (V1)
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55	\$1,460	GA (V1)
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60	\$1,815	GA (V1)
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71	\$1,797	GA (V1)
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74	\$2,257	GA (V1)
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48	\$3,064	GA (V1)
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79	\$2,702	GA (V1)
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99	\$4,592	GA (V1)
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155	\$4,967	GA (V1)
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155	\$7,548	GA (V1)
	350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165	\$10,294	GA (V1)
450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	\$11,145	GA (V1)	
750 / 800	1000	LRW1000G3N1	Consult Factory			\$19,990	GA (V1)

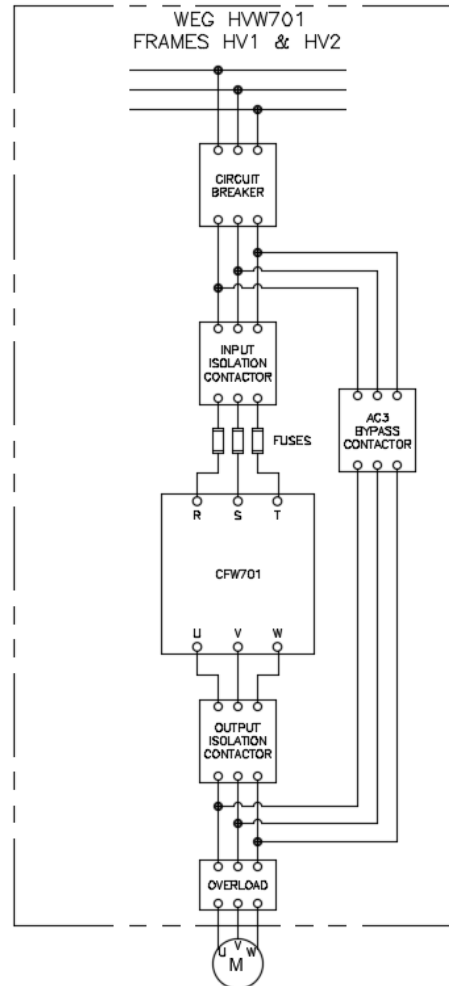
Notes:

1) Dimensions and weights are provided for estimating purposes only.

CFW701

HVW701 HVAC-R By-Pass

The WEG HVW701 HVAC-R By-Pass system is comprised of the CFW701 Variable Frequency Drive with integral By-Pass. It is designed for heating, ventilation, air conditioning and refrigeration systems where continued operation is critical and space is at a premium. The HVW701 is designed to provide reliable and energy-efficient control for applications in office buildings, hospitals, airports, hotels, shopping centers or other similar facilities. **Now, it is rated for Short circuit current rating (SCCR) of 65KA and offers Damper Control.**



HVW701

Available Configurations

Enclosure Frame HV1 & HV2

NEMA 1 with 3-Contactor By-Pass, 65KA (Most frames available in stock)

NEMA 1 with Circuit Breaker Only, 65KA (4 weeks)

Enclosure Frame ED3, ED4 & ED5

NEMA 12 with 3-Contactor By-Pass, 65KA (Most frames available in stock)

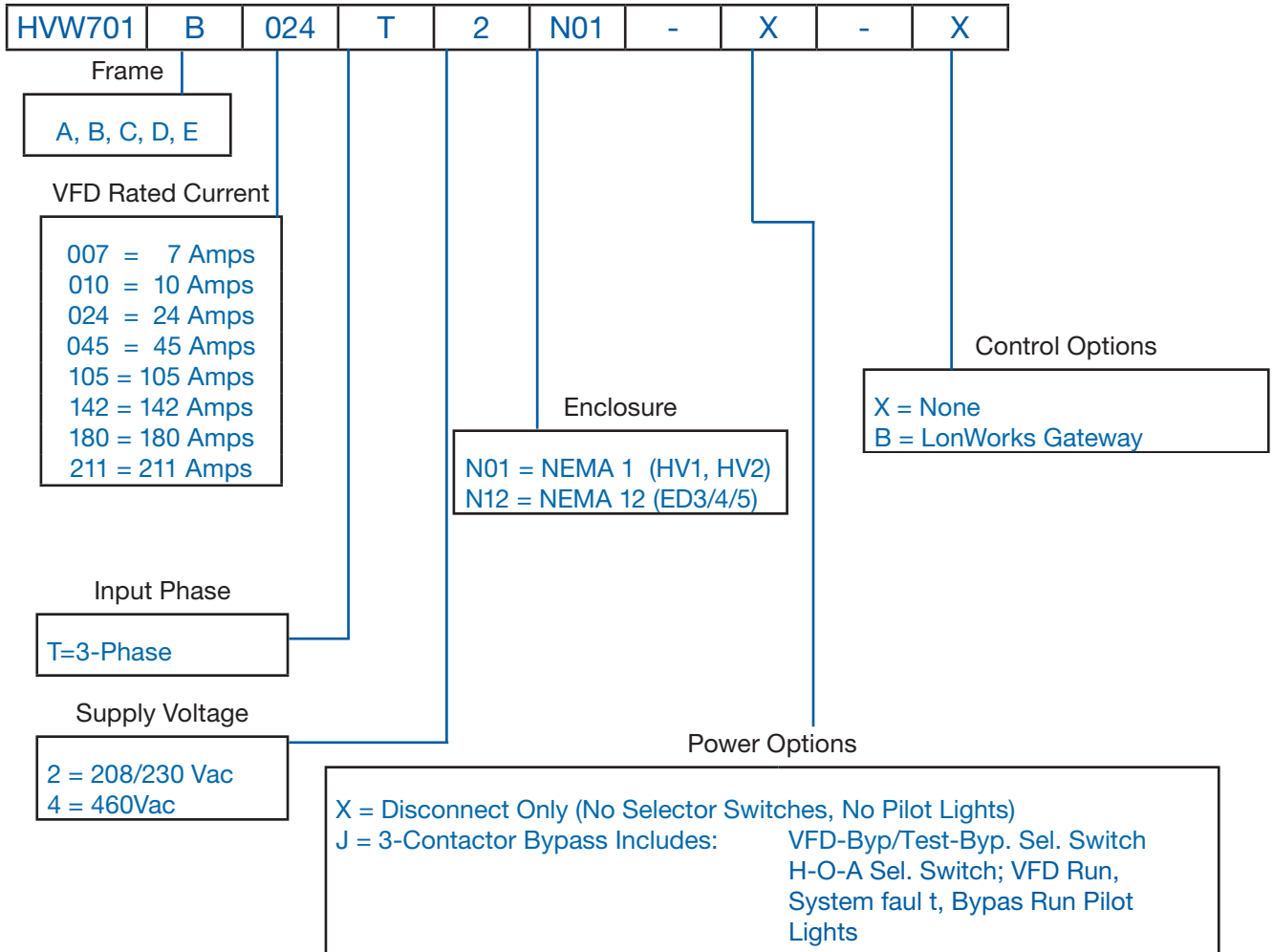
NEMA 12 with Circuit Breaker Only, 65KA (4 weeks)

3-Contactor By-Pass Example

HW701

HVAC Drive Panel with By-Pass - NEMA 1 Enclosure

HW701 Catalog Number Sequence



HVW701

HVAC-R Drive Panel: Circuit Breaker Only, SCCR - 65KA

Motor Voltage	Motor HP ²	VFD Panel O/P Current ³	New Catalog Number	Braking Transistor	Enclosure Frame Size	List Price	Multiplier New (Old)	Old Catalog Number
Input Power Supply: 3/208Vac ¹ (For 3/230Vac, the control power transformer must be re-configured.)								
3/208 Vac ¹	2	7	HVW701A007T2N01-X-X	YES	HV1	\$3,290	V3H (V3)	HVW701A007DN01000000
	3	10	HVW701A010T2N01-X-X	YES	HV1	\$3,355	V3H (V3)	HVW701A010DN01000000
	3	13	HVW701A013T2N01-X-X	YES	HV1	\$3,400	V3H (V3)	HVW701A013DN01000000
	5	16	HVW701A016T2N01-X-X	YES	HV1	\$3,485	V3H (V3)	HVW701A016DN01000000
	7.5	24	HVW701B024T2N01-X-X	YES	HV1	\$3,820	V3H (V3)	HVW701B024DN01000000
	10	28	HVW701B028T2N01-X-X	YES	HV1	\$3,850	V3H (V3)	HVW701B028DN01000000
	10	33.5	HVW701B033T2N01-X-X	YES	HV1	\$4,065	V3H (V3)	HVW701B033DN01000000
	15	45	HVW701C045T2N01-X-X	YES	HV2	\$4,620	V3H (V3)	HVW701C045DN01000000
	20	54	HVW701C054T2N01-X-X	YES	HV2	\$5,365	V3H (V3)	HVW701C054DN01000000
	20	60	HVW701C070T2N01-X-X	YES	HV2	\$6,400	V3H (V3)	-
	30	86	HVW701D086T2N12-X-X	YES	ED3	\$7,505	V3H (V3)	HVW701D086DN01000000
	40	105	HVW701D105T2N12-X-X	YES	ED3	\$9,790	V3H (V3)	HVW701D105DN01000000
	50	142	HVW701E142T2N12-X-X	NO	ED4	\$12,825	V3H (V3)	HVW701E142DN01000000
	60	180	HVW701E180T2N12-X-X	NO	ED4	\$14,540	V3H (V3)	HVW701E180DN01000000
	75	211	HVW701E211T2N12-X-X	NO	ED4	\$21,250	V3H (V3)	HVW701E211DN01000000
Input Power Supply: 3/460Vac								
3/460 Vac	3	5	HVW701A005T4N01-X-X	YES	HV1	\$3,850	V3H (V3)	HVW701A005GN01000000
	7.5	10	HVW701A010T4N01-X-X	YES	HV1	\$3,920	V3H (V3)	HVW701A010GN01000000
	10	13.5	HVW701A013T4N01-X-X	YES	HV1	\$3,975	V3H (V3)	HVW701A013GN01000000
	10	17	HVW701B017T4N01-X-X	YES	HV1	\$4,195	V3H (V3)	HVW701B017GN01000000
	15	24	HVW701B024T4N01-X-X	YES	HV1	\$4,550	V3H (V3)	HVW701B024GN01000000
	25	31	HVW701B031T4N01-X-X	YES	HV1	\$5,010	V3H (V3)	HVW701B031GN01000000
	30	38	HVW701C038T4N01-X-X	YES	HV2	\$5,775	V3H (V3)	HVW701C038GN01000000
	30	45	HVW701C045T4N01-X-X	YES	HV2	\$6,260	V3H (V3)	HVW701C045GN01000000
	40	58.5	HVW701C058T4N01-X-X	YES	HV2	\$6,905	V3H (V3)	HVW701C058GN01000000
	60	70.5	HVW701D070T4N12-X-X	YES	ED3	\$8,485	V3H (V3)	HVW701D070GN01000000
	75	88	HVW701D088T4N12-X-X	YES	ED3	\$10,995	V3H (V3)	HVW701D088GN01000000
	75	105	HVW701E105T4N12-X-X	NO	ED4	\$13,975	V3H (V3)	HVW701E105GN01000000
	125	142	HVW701E142T4N12-X-X	NO	ED4	\$15,705	V3H (V3)	HVW701E142GN01000000
	150	180	HVW701E180T4N12-X-X	NO	ED4	\$20,930	V3H (V3)	HVW701E180GN01000000
	175	211	HVW701E211T4N12-X-X	NO	ED4	\$24,185	V3H (V3)	HVW701E211GN01000000

NOTES:

1. The VFD panel is wired for 3/208Vac input voltage as a standard. It can be re-configured for 3/230VAC line voltage by simply changing the primary connection of the control power transformer. (For 3/230Vac, please move wire "JT2" from Transformer primary TB # "H3" (208V) to "H2" (230V)).

2. The "HP" ratings are based on "average FLA values" and on WEG W22, 4-Pole Motors. Use as a guide only.

3. Maximum continuous VFD panel output current. The motor being used must have FLA less than or equal to this rating. The based CFW701 VFD is rated for Variable Torque (Quadratic Load), 110% overload / 60 sec, every ten (10) minutes.

HVAC-R Drive Panel: Circuit Breaker Only with LonWorks Gateway, SCCR - 65KA.

Motor Voltage	Motor HP ²	VFD Panel O/P Current ³	New Catalog Number	Braking Transistor	Enclosure Frame Size	List Price	Multiplier New (Old)	Old Catalog Number
Input Power Supply: 3/208Vac ¹ (For 3/230Vac, the control power transformer must be re-configured.)								
3/208 Vac ¹	2	7	HVW701A007T2N01-X-B	YES	HV1	\$ 4,385	V3H (V3)	HVW701A007DN01000001
	3	10	HVW701A010T2N01-X-B	YES	HV1	\$ 4,450	V3H (V3)	HVW701A010DN01000001
	3	13	HVW701A013T2N01-X-B	YES	HV1	\$ 4,495	V3H (V3)	HVW701A013DN01000001
	5	16	HVW701A016T2N01-X-B	YES	HV1	\$ 4,580	V3H (V3)	HVW701A016DN01000001
	7.5	24	HVW701B024T2N01-X-B	YES	HV1	\$ 4,915	V3H (V3)	HVW701B024DN01000001
	10	28	HVW701B028T2N01-X-B	YES	HV1	\$ 4,945	V3H (V3)	HVW701B028DN01000001
	10	33.5	HVW701B033T2N01-X-B	YES	HV1	\$ 5,160	V3H (V3)	HVW701B033DN01000001
	15	45	HVW701C045T2N01-X-B	YES	HV2	\$ 5,715	V3H (V3)	HVW701C045DN01000001
	20	54	HVW701C054T2N01-X-B	YES	HV2	\$ 6,460	V3H (V3)	HVW701C054DN01000001
	20	60	HVW701C070T2N01-X-B	YES	HV2	\$ 7,495	V3H (V3)	-
	30	86	HVW701D086T2N12-X-B	YES	ED3	\$ 8,600	V3H (V3)	HVW701D086DN01000001
	40	105	HVW701D105T2N12-X-B	YES	ED3	\$ 10,885	V3H (V3)	HVW701D105DN01000001
	50	142	HVW701E142T2N12-X-B	NO	ED4	\$ 13,920	V3H (V3)	HVW701E142DN01000001
	60	180	HVW701E180T2N12-X-B	NO	ED4	\$ 15,635	V3H (V3)	HVW701E180DN01000001
75	211	HVW701E211T2N12-X-B	NO	ED4	\$ 22,345	V3H (V3)	HVW701E211DN01000001	
Input Power Supply: 3/460Vac								
3/460 Vac	3	5	HVW701A005T4N01-X-B	YES	HV1	\$ 4,945	V3H (V3)	HVW701A005GN01000001
	7.5	10	HVW701A010T4N01-X-B	YES	HV1	\$ 5,015	V3H (V3)	HVW701A010GN01000001
	10	13.5	HVW701A013T4N01-X-B	YES	HV1	\$ 5,070	V3H (V3)	HVW701A013GN01000001
	10	17	HVW701B017T4N01-X-B	YES	HV1	\$ 5,290	V3H (V3)	HVW701B017GN01000001
	15	24	HVW701B024T4N01-X-B	YES	HV1	\$ 5,645	V3H (V3)	HVW701B024GN01000001
	25	31	HVW701B031T4N01-X-B	YES	HV1	\$ 6,105	V3H (V3)	HVW701B031GN01000001
	30	38	HVW701C038T4N01-X-B	YES	HV2	\$ 6,870	V3H (V3)	HVW701C038GN01000001
	30	45	HVW701C045T4N01-X-B	YES	HV2	\$ 7,355	V3H (V3)	HVW701C045GN01000001
	40	58.5	HVW701C058T4N01-X-B	YES	HV2	\$ 8,000	V3H (V3)	HVW701C058GN01000001
	60	70.5	HVW701D070T4N12-X-B	YES	ED3	\$ 9,580	V3H (V3)	HVW701D070GN01000001
	75	88	HVW701D088T4N12-X-B	YES	ED3	\$ 12,090	V3H (V3)	HVW701D088GN01000001
	75	105	HVW701E105T4N12-X-B	NO	ED4	\$ 15,070	V3H (V3)	HVW701E105GN01000001
	125	142	HVW701E142T4N12-X-B	NO	ED4	\$ 16,800	V3H (V3)	HVW701E142GN01000001
	150	180	HVW701E180T4N12-X-B	NO	ED4	\$ 22,025	V3H (V3)	HVW701E180GN01000001
175	211	HVW701E211T4N12-X-B	NO	ED4	\$ 25,280	V3H (V3)	HVW701E211GN01000001	

Notes:

- The VFD panel is wired for 3/208Vac input voltage as a standard. It can be re-configured for 3/230VAC line voltage by simply changing the primary connection of the control power transformer. (For 3/230Vac, please move wire "JT2" from Transformer primary TB # "H3" (208V) to "H2" (230V)).
- The "HP" ratings are based on "average FLA values" and on WEG W22, 4-Pole Motors. Use as a guide only.
- Maximum continuous VFD panel output current. The motor being used must have FLA less than or equal to this rating. The based CFW701 VFD is rated for Variable Torque (Quadratic Load), 110% overload / 60 sec, every ten (10) minutes.

Variable Frequency Drives



HVW701

HVAC-R Drive Panel: 3-Contactor Bypass, SCCR - 65KA.

Motor Volt.	Motor HP ²	VFD Panel O/P Current ³	Byp. O/L Range in Amp ⁴	New Catalog Number	Brake Trans.	Encl. Frame Size	List Price	Multiplier New (Old)	Old Catalog Number
Input Power Supply: 3/208Vac ¹ (For 3/230VAC, the control power transformer tap must be changed)									
3/208 Vac ¹	2	7	5.6-8	HVW701A007T2N01-J-X	YES	HV1	\$ 3,985	V3H (V3)	HVW701A007DN01300000
	3	10	8-12.5	HVW701A010T2N01-J-X	YES	HV1	\$ 4,140	V3H (V3)	HVW701A010DN01300000
	3	13	10-15	HVW701A013T2N01-J-X	YES	HV1	\$ 4,195	V3H (V3)	HVW701A013DN01300000
	5	16	15-23	HVW701A016T2N01-J-X	YES	HV1	\$ 4,330	V3H (V3)	HVW701A016DN01300000
	7.5	24	22-32	HVW701B024T2N01-J-X	YES	HV1	\$ 4,835	V3H (V3)	HVW701B024DN01300000
	10	28	22-32	HVW701B028T2N01-J-X	YES	HV1	\$ 4,865	V3H (V3)	HVW701B028DN01300000
	10	33.5	25-40	HVW701B033T2N01-J-X	YES	HV1	\$ 5,095	V3H (V3)	HVW701B033DN01300000
	15	45	40-57	HVW701C045T2N01-J-X	YES	HV2	\$ 6,000	V3H (V3)	HVW701C045DN01300000
	20	54	50-63	HVW701C054T2N01-J-X	YES	HV2	\$ 7,030	V3H (V3)	HVW701C054DN01300000
	20	60	57-70	HVW701C070T2N01-J-X	YES	HV2	\$ 8,075	V3H (V3)	-
	30	86	50-250	HVW701D086T2N12-J-X	YES	ED3	\$ 9,470	V3H (V3)	HVW701D086DN01300000
	40	105	50-250	HVW701D105T2N12-J-X	YES	ED3	\$ 11,905	V3H (V3)	HVW701D105DN01300000
	50	142	50-250	HVW701E142T2N12-J-X	NO	ED5	\$ 14,925	V3H (V3)	HVW701E142DN01300000
	60	180	50-250	HVW701E180T2N12-J-X	NO	ED5	\$ 18,355	V3H (V3)	HVW701E180DN01300000
75	211	50-250	HVW701E211T2N12-J-X	NO	ED5	\$ 25,020	V3H (V3)	HVW701E211DN01300000	
Input Power Supply: 3/460Vac									
3/460 Vac	3	5	4-6.3	HVW701A005T4N01-J-X	YES	HV1	\$ 4,305	V3H (V3)	HVW701A005GN01300000
	7.5	10	8- 12.5	HVW701A010T4N01-J-X	YES	HV1	\$ 4,390	V3H (V3)	HVW701A010GN01300000
	10	13.5	11-17	HVW701A013T4N01-J-X	YES	HV1	\$ 4,455	V3H (V3)	HVW701A013GN01300000
	10	17	15-23	HVW701B017T4N01-J-X	YES	HV1	\$ 4,695	V3H (V3)	HVW701B017GN01300000
	15	24	22-32	HVW701B024T4N01-J-X	YES	HV1	\$ 5,175	V3H (V3)	HVW701B024GN01300000
	25	31	25-40	HVW701B031T4N01-J-X	YES	HV1	\$ 5,670	V3H (V3)	HVW701B031GN01300000
	30	38	32-50	HVW701C038T4N01-J-X	YES	HV2	\$ 6,410	V3H (V3)	HVW701C038GN01300000
	30	45	40-57	HVW701C045T4N01-J-X	YES	HV2	\$ 7,130	V3H (V3)	HVW701C045GN01300000
	40	58.5	57-70	HVW701C058T4N01-J-X	YES	HV2	\$ 7,835	V3H (V3)	HVW701C058GN01300000
	60	70.5	50-250	HVW701D070T4N12-J-X	YES	ED3	\$ 9,680	V3H (V3)	HVW701D070GN01300000
	75	88	50-250	HVW701D088T4N12-J-X	YES	ED3	\$ 12,185	V3H (V3)	HVW701D088GN01300000
	75	105	50-250	HVW701E105T4N12-J-X	NO	ED5	\$ 15,815	V3H (V3)	HVW701E105GN01300000
	125	142	50-250	HVW701E142T4N12-J-X	NO	ED5	\$ 17,765	V3H (V3)	HVW701E142GN01300000
	150	180	50-250	HVW701E180T4N12-J-X	NO	ED5	\$ 24,615	V3H (V3)	HVW701E180GN01300000
175	211	50-250	HVW701E211T4N12-J-X	NO	ED5	\$ 27,985	V3H (V3)	HVW701E211GN01300000	

Notes:

1. The VFD panel is wired for 3/208Vac input voltage as a standard. It can be re-configured for 3/230VAC line voltage by simply changing the primary connection of the control power transformer.
2. The "HP" ratings are based on "average FLA values" and on WEG W22, 4-Pole Motors. Use as a guide only.
3. Maximum continuous VFD panel output current. The motor being used must have FLA less than or equal to this rating. The based CFW701 VFD is rated for Variable Torque (Quadratic Load), 110% overload / 60 sec, every ten (10) minutes.
4. Current Range for the ATL bypass starter overload Relay.



HVAC-R Drive Panel: 3-Contactor Bypass with LonWorks Gateway, SCCR - 65KA.

Motor Volt.	Motor HP ²	VFD Panel O/P Current ³	Byp. O/L Range in Amp ⁴	New Catalog Number	Brake Trans.	Encl. Frame Size	List Price	Multiplier New (Old)	Old Catalog Number
Input Power Supply: 3/208VAC ¹ (For 3/230VAC, the control power transformer tap must be changed)									
3/208 Vac ¹	2	7	5.6-8	HVW701A007T2N01-J-B	YES	HV1	\$ 5,080	V3H (V3)	HVW701A007DN01300001
	3	10	8-12.5	HVW701A010T2N01-J-B	YES	HV1	\$ 5,235	V3H (V3)	HVW701A010DN01300001
	3	13	10-15	HVW701A013T2N01-J-B	YES	HV1	\$ 5,290	V3H (V3)	HVW701A013DN01300001
	5	16	15-23	HVW701A016T2N01-J-B	YES	HV1	\$ 5,425	V3H (V3)	HVW701A016DN01300001
	7.5	24	22-32	HVW701B024T2N01-J-B	YES	HV1	\$ 5,930	V3H (V3)	HVW701B024DN01300001
	10	28	22-32	HVW701B028T2N01-J-B	YES	HV1	\$ 5,960	V3H (V3)	HVW701B028DN01300001
	10	33.5	25-40	HVW701B033T2N01-J-B	YES	HV1	\$ 6,190	V3H (V3)	HVW701B033DN01300001
	15	45	40-57	HVW701C045T2N01-J-B	YES	HV2	\$ 7,095	V3H (V3)	HVW701C045DN01300001
	20	54	50-63	HVW701C054T2N01-J-B	YES	HV2	\$ 8,125	V3H (V3)	HVW701C054DN01300001
	20	60	57-70	HVW701C070T2N01-J-B	YES	HV2	\$ 9,170	V3H (V3)	-
	30	86	50-250	HVW701D086T2N12-J-B	YES	ED3	\$ 10,565	V3H (V3)	HVW701D086DN01300001
	40	105	50-250	HVW701D105T2N12-J-B	YES	ED3	\$ 13,000	V3H (V3)	HVW701D105DN01300001
	50	142	50-250	HVW701E142T2N12-J-B	NO	ED5	\$ 16,020	V3H (V3)	HVW701E142DN01300001
	60	180	50-250	HVW701E180T2N12-J-B	NO	ED5	\$ 19,450	V3H (V3)	HVW701E180DN01300001
	75	211	50-250	HVW701E211T2N12-J-B	NO	ED5	\$ 26,115	V3H (V3)	HVW701E211DN01300001
Input Power Supply: 3/460VAC									
3/460 Vac	3	5	4-6.30	HVW701A005T4N01-J-B	YES	HV1	\$ 5,400	V3H (V3)	HVW701A005GN01300001
	7.5	10	8-12.5	HVW701A010T4N01-J-B	YES	HV1	\$ 5,485	V3H (V3)	HVW701A010GN01300001
	10	13.5	11-17	HVW701A013T4N01-J-B	YES	HV1	\$ 5,550	V3H (V3)	HVW701A013GN01300001
	10	17	15-23	HVW701B017T4N01-J-B	YES	HV1	\$ 5,790	V3H (V3)	HVW701B017GN01300001
	15	24	22-32	HVW701B024T4N01-J-B	YES	HV1	\$ 6,270	V3H (V3)	HVW701B024GN01300001
	25	31	25-40	HVW701B031T4N01-J-B	YES	HV1	\$ 6,765	V3H (V3)	HVW701B031GN01300001
	30	38	32-50	HVW701C038T4N01-J-B	YES	HV2	\$ 7,505	V3H (V3)	HVW701C038GN01300001
	30	45	40-57	HVW701C045T4N01-J-B	YES	HV2	\$ 8,225	V3H (V3)	HVW701C045GN01300001
	40	58.5	57-70	HVW701C058T4N01-J-B	YES	HV2	\$ 8,930	V3H (V3)	HVW701C058GN01300001
	60	70.5	50-250	HVW701D070T4N12-J-B	YES	ED3	\$ 10,775	V3H (V3)	HVW701D070GN01300001
	75	88	50-250	HVW701D088T4N12-J-B	YES	ED3	\$ 13,280	V3H (V3)	HVW701D088GN01300001
	75	105	50-250	HVW701E105T4N12-J-B	NO	ED5	\$ 16,910	V3H (V3)	HVW701E105GN01300001
	125	142	50-250	HVW701E142T4N12-J-B	NO	ED5	\$ 18,860	V3H (V3)	HVW701E142GN01300001
	150	180	50-250	HVW701E180T4N12-J-B	NO	ED5	\$ 25,710	V3H (V3)	HVW701E180GN01300001
	175	211	50-250	HVW701E211T4N12-J-B	NO	ED5	\$ 29,080	V3H (V3)	HVW701E211GN01300001

Notes:

- The VFD panel is wired for 3/208Vac input voltage as a standard. It can be re-configured for 3/230VAC line voltage by simply changing the primary connection of the control power transformer.
- The "HP" ratings are based on "average FLA values" and on WEG W22, 4-Pole Motors. Use as a guide only.
- Maximum continuous VFD panel output current. The motor being used must have FLA less than or equal to this rating. The based CFW701 VFD is rated for Variable Torque (Quadratic Load), 110% overload / 60 sec, every ten (10) minutes.
- Current Range for the ATL bypass starter overload Relay.

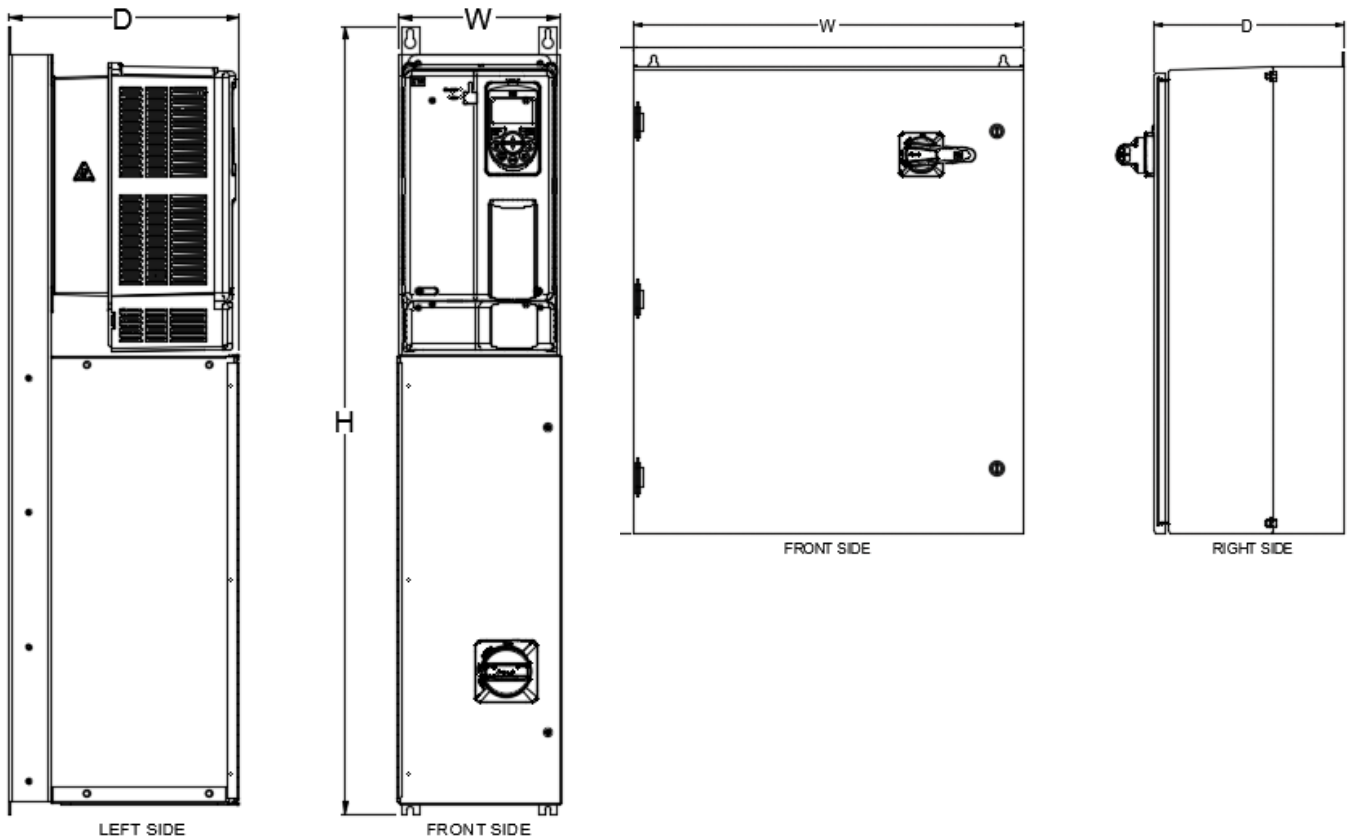
HW701

HVW701

HVW701 ENCLOSURE FRAME SIZE

ENCLOSURE FRAME: HV1 & HV2

ENCLOSURE FRAME: ED3 & ED4



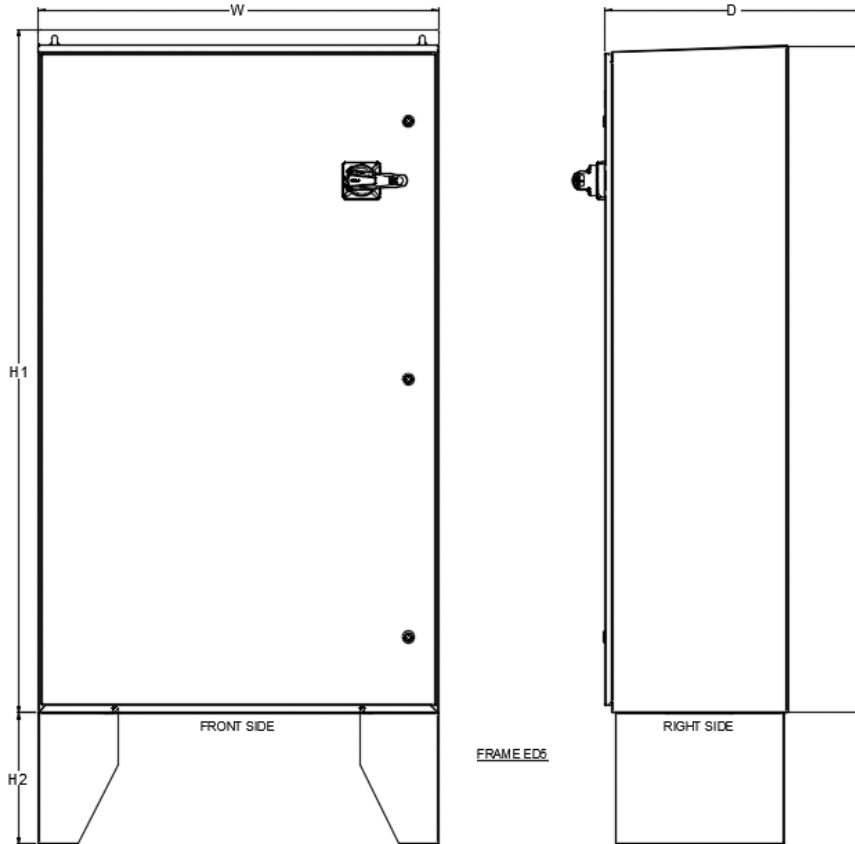
FRAME	OVERALL DIMENSIONS IN INCHES	ENCLOSURE ENVIRONMENTAL RATING	MAX. AMBIENT TEMP.	ENCLOSURE MOUNTING TYPE	APPROX. WEIGHT IN LBS.	
					W/O BYP.	WITH 3-CONT. BYP
HV1	36.3"H x 7.8"W x 11.1"D	NEMA1	50°C	VENTILATED, WALL MOUNT (VERTICAL STYLE)	82	100
HV2	44"H x 9"W x 13.5"D	NEMA1	50°C	VENTILATED, WALL MOUNT (VERTICAL STYLE)	130	145
ED3	36"H x 30"W x 14.6"D	NEMA12	45°C	NON-VENTILATED, WALL MOUNT (STANDARD)	240	255
ED4	48"H x 30"W x 18"D	NEMA12	40°C	NON-VENTILATED, WALL MOUNT (STANDARD)	300	-
ED5	72"H x 36"W x 23.6"D (Height : 60" + 12" floor stand kit)	NEMA12	40°C	NON-VENTILATED, FLOOR MOUNT (STANDARD)	-	375

NOTE: Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

HVW701

HVW701 ENCLOSURE FRAME SIZE ENCLOSURE FRAME: ED5

HVW701

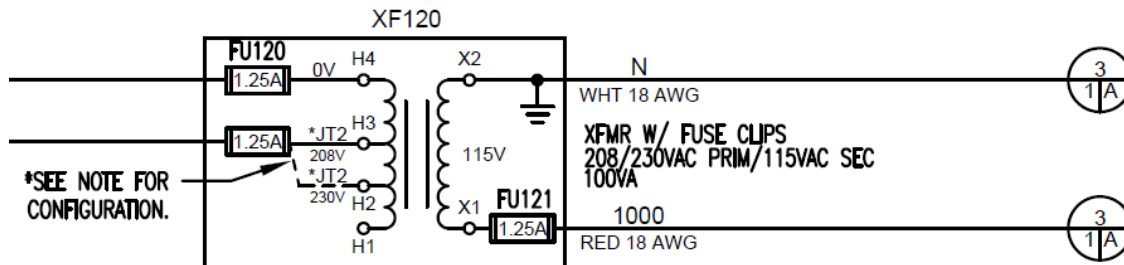


FRAME	OVERALL DIMENSIONS IN INCHES	ENCLOSURE ENVIRONMENTAL RATING	MAX. AMBIENT TEMP.	ENCLOSURE MOUNTING TYPE	APPROX. WEIGHT IN LBS.	
					W/O BYP.	WITH 3-CONT. BYP
ED5	72" x 36" x 23.6" (H = H1 + H2 = 60" + 12")	NEMA12	40°C	NON-VENTILATED, FLOOR MOUNT (STANDARD)	-	375

NOTE: Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

HVW701

Conversion from 3/208VAC to 3/230VAC Supply Voltage:



***NOTE: DEFAULT WIRING FOR 208V SUPPLY VOLTAGE. IF BEING INSTALLED WITH 220-240V SUPPLY VOLTAGE, CUSTOMER MUST MOVE CONDUCTOR JT2 FROM TRANSFORMER PIN H3 (208V) TO PIN H2 (230V).**

SSW05 - Reduced Voltage Soft Starter

The WEG SSW05 Soft Starter is a super compact fully digital soft starter with a state-of-the-art DSP controller. Its digital construction provides optimum operation, diagnostics capability and full motor protection. Simplicity in set-up and operation is assured since all parameters and set-up selections are made via dip switches and potentiometers. Status LED's alert the user of the operational status of the SSW05. Simplicity, ease of set-up, and the small panel assures quick and easy installation and operation.

Standard Features

- 208 - 480V, 50/60Hz input power supply
- Duty cycle: 300% rated current during 10 seconds, 4 starts per hour
- Built-in by-pass contactor
- One digital input for Start/Stop (90 - 250 Vac)
- One digital input for Fault Reset (90 - 250 Vac)
- One relay output for Run indication (1 Amp - 250V)
- One relay output for Full Voltage indication (1 Amp - 250V)
- RS-232 serial port
- Adjustable acceleration and deceleration ramps (1 - 20 seconds)
- For high inertia loads, see SSW07 product line.
- Adjustable pedestal voltage (30 - 80% of line voltage)
- Protective features: Motor overload, over current and locked rotor, SCR overload, phase loss and phase sequence
- DIN rail or direct mount
- Ambient: 32°F (0°C) to 131°F (55°C), 3300ft (1000m) altitude, 90% non-condensing humidity
- SuperDrive compatible
- Remote Keypad (optional)

Applications

- Pumps
- Fans
- Blowers
- Compressors



SSW05



SSW05 Catalog Number Sequence

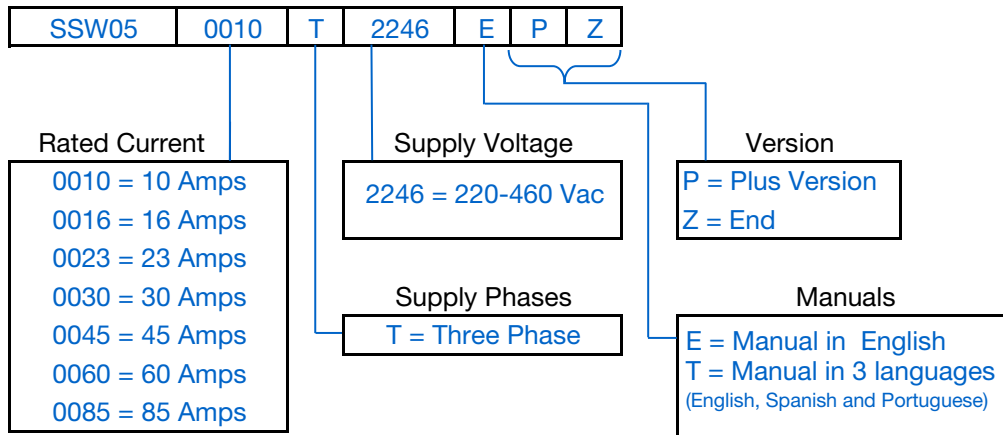


Table intended as reference only and not to create part numbers.

SSW05

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Current Catalog (Old Catalog Number)	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 230 Vac								
230 Vac	3	10	SSW050010T2246TPZ (SSW050010T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$531	E15 (E1)
	5	16	SSW050016T2246TPZ (SSW050016T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$603	E15 (E1)
	7.5	23	SSW050023T2246TPZ (SSW050023T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$694	E15 (E1)
	10	30	SSW050030T2246TPZ (SSW050030T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$754	E15 (E1)
	15	45	SSW050045T2246TPZ (SSW050045T2246EPZ)	2	7.3 x 3.1 x 6.8	6	\$943	E15 (E1)
	25	60	SSW050060T2246TPZ (SSW050060T2246EPZ)	2	7.3 x 3.1 x 6.8	6	\$1,135	E15 (E1)
	30	85	SSW050085T2246TPZ (SSW050085T2246EPZ)	2	7.3 x 3.1 x 6.8	6	\$1,382	E15 (E1)
Input Power Supply: Three-Phase 460 Vac								
460 Vac	5	10	SSW050010T2246TPZ (SSW050010T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$531	E15 (E1)
	10	16	SSW050016T2246TPZ (SSW050016T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$603	E15 (E1)
	15	23	SSW050023T2246TPZ (SSW050023T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$694	E15 (E1)
	20	30	SSW050030T2246TPZ (SSW050030T2246EPZ)	1	5.1 x 2.3 x 5.7	3	\$754	E15 (E1)
	30	45	SSW050045T2246TPZ (SSW050045T2246EPZ)	2	7.3 x 3.1 x 6.8	6	\$943	E15 (E1)
	40	60	SSW050060T2246TPZ (SSW050060T2246EPZ)	2	7.3 x 3.1 x 6.8	6	\$1,135	E15 (E1)
	60 / 75	85	SSW050085T2246TPZ (SSW050085T2246EPZ)	2	7.3 x 3.1 x 6.8	6	\$1,382	E15 (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs)	List Price	Multiplier New (Old)
Remote Keypad	SSW05-HMI-RS	Remote Keypad with LED Display	1.1	\$120	E15 (E1)
Remote Cable	CAB-RS-1	3.3 ft (1 meter) Remote Keypad Cable	0.5	\$23	E17 (V1)
	CAB-RS-2	6.6 ft (2 meter) Remote Keypad Cable	0.7	\$31	E17 (V1)
	SSW05-07-08-CRS-3M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	E17 (V1)
	SSW05-07-08-CRS-5M	16 ft (5 meter) Remote Keypad Cable	1.2	\$51	E17 (V1)
	CAB-RS-7.5	25 ft (7.5 meter) Remote Keypad Cable	1.5	\$62	E17 (V1)
	CAB-RS-10	33 ft (10 meter) Remote Keypad Cable	2.0	\$72	E17 (V1)

Settings and Indications



SSW05 – Technical Data

Power Supply	Main Voltage	208... 480 Vac (+10%, -15%)
	Control Voltage	90 ...250 Vac
	Frequency	50 / 60Hz (+/- 5Hz)
Enclosure	IP00 Protected Chassis	
Duty Cycle	300% rated current during 10 seconds, 4 starts per hour	
Control Inputs	Digital	One input for Start/Stop (90 - 250 Vac) One input for Fault Reset (90 - 250 Vac)
	Control Outputs	Digital
Communication	Serial Interface	RS-232C
Safety	Protection	Motor overload*
		Locked rotor*
		Over current*
		Phase sequence*
		Phase loss*
		SCR overload
Control Features	Pedestal Voltage	30 ... 80% of line voltage
	Accel Ramp	1 ... 20 seconds
	Decel Ramp	Off ... 20 seconds
	Motor Current	30 ... 100% of SSW-05 rating
	Fault Reset	Manual or Automatic
Ambient	Temperature	32 ... 131°F (0 - 55°C)
	Humidity	0...90% Non Condensing
	Altitude	0 ... 1000m (3,300 ft) - Standard Operation at Rated Current Up to 4000m (13,200 ft) - With Current Derating (1%/100m (328 ft) above 1000m (13,200 ft))
Conformities	Low Voltage	UL 508 - Industrial Control Equipment IEC 60947-4-2
		EMC

* Can be disabled

SSW07- Reduced Voltage Soft Starter

Soft Starters are static starting devices, designed for the acceleration, deceleration and protection of the three phase, electric induction motors through the control of the voltage applied to the motor. The SSW07, with DSP control (Digital Signal Processor), was designed to provide great performance on motor starts and stops with an excellent cost-benefit relation. Easy to set up, it simplifies start-up activities and daily operations.

The SSW07 is compact, optimizing space in electric panels. The SSW07 incorporates all electric motor protections and adapts to customer needs through its easy-to-install optional accessories. Optionally, a keypad, a communication interface or a motor PTC input can be added to the product.



Standard Features

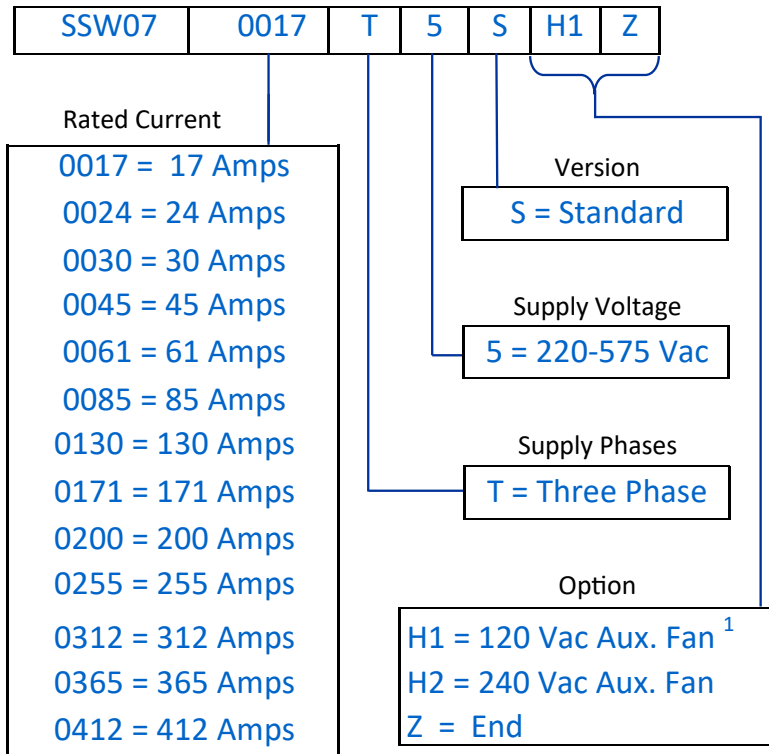
- Universal voltage (220 to 575 Vac)
- Built-in run rated (AC1) By-pass contactor
- Significant reduction of mechanical stresses through the coupling and transmission devices (gearboxes, pulleys, gears, conveyors, etc.) during the start
- Increases motor and machine mechanical equipment lifetime due to the elimination of mechanical shock
- Easy operation, setup, maintenance & installation
- Simple setpoint programming through trim pots
- Operates in environments up to 55°C without current reduction
- Integral, electronic motor protection
- Built-in electronic thermal relay
- Avoids “Water Hammer” in pumps
- Limitation of voltage drop during start
- Switched type power supply with EMC filter for the control electronics (110 to 240 Vac)
- SuperDrive G2 compatible
- Conformal coated circuit boards

Applications

- Chemical and Petrochemical
- Plastic and Rubber
- Pulp and Paper
- Sugar and Alcohol
- Beverages
- Cement and Mining
- Food and Beverage
- Textile
- Metallurgy
- Ceramics
- Glass
- Refrigeration
- Wood
- Sanitation
- Load Transportation
- Pumps and Fans



SSW07 Catalog Number Sequence



1) Aux. Cooling Fan for SSW07 Frame 4 Only
Requires 120 Vac Single-Phase Power

Table intended as reference only and not to create part numbers.

SSW07

Protected Chassis Enclosure

Motor Voltage	Standard Duty (300%, 30s, 10 starts/hr @ 55°C)		Heavy Duty ⁴ (450%, 30s, 4 starts/hr @ 55°C)		Catalog Number (Old Catalog Number)	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)	
	Motor HP ¹	Starter Amps ²	Motor HP ¹	Starter Amps ²							
230 Vac	Input Power Supply: Three-Phase 230 Vac										
	5	17	5	14	SSW070017T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,158	E17 (E1)	
	7.5	24	7.5	20	SSW070024T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,241	E17 (E1)	
	10	30	10	25	SSW070030T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,281	E17 (E1)	
	15	45	10	31	SSW070045T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,461	E17 (E1)	
	25	61	15	43	SSW070061T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,646	E17 (E1)	
	30	85	20/25	60	SSW070085T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,992	E17 (E1)	
	50	130	30/40	94	SSW070130T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$2,501	E17 (E1)	
	60	171	50	125	SSW070171T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$3,177	E17 (E1)	
	75	200	60	150	SSW070200T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$3,766	E17 (E1)	
	100	255	75	185	SSW070255T5SH1Z (SSW070255T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$4,598	E17 (E1)	
	125	312	75	224	SSW070312T5SH1Z (SSW070312T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$4,992	E17 (E1)	
	150	365	100	263	SSW070365T5SH1Z (SSW070365T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$5,187	E17 (E1)	
	150	412	125	298	SSW070412T5SH1Z (SSW070412T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$6,088	E17 (E1)	
460 Vac	Input Power Supply: Three-Phase 460 Vac										
	10	17	10	14	SSW070017T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,158	E17 (E1)	
	15	24	15	20	SSW070024T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,241	E17 (E1)	
	20	30	20	25	SSW070030T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,281	E17 (E1)	
	30	45	25	31	SSW070045T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,461	E17 (E1)	
	40/50	61	30	43	SSW070061T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,646	E17 (E1)	
	75	85	40/50	60	SSW070085T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,992	E17 (E1)	
	100	130	60/75	94	SSW070130T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$2,501	E17 (E1)	
	125	171	100	125	SSW070171T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$3,177	E17 (E1)	
	150	200	125	150	SSW070200T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$3,766	E17 (E1)	
	200	255	150	185	SSW070255T5SH1Z (SSW070255T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$4,598	E17 (E1)	
	250	312	175	224	SSW070312T5SH1Z (SSW070312T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$4,992	E17 (E1)	
	300	365	200	263	SSW070365T5SH1Z (SSW070365T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$5,187	E17 (E1)	
	350	412	250	298	SSW070412T5SH1Z (SSW070412T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$6,088	E17 (E1)	

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.
- 3) Must be used with Ventilation kit.
- 4) Crusher, loaded Conveyor, Shredder, wood chipper, centrifuge, High inertia centrifugal fan, ball mill, hammer mill etc. are application examples where Heavy duty rated soft starter shall be used. "

Protected Chassis Enclosure

Motor Voltage	Standard Duty (300%, 30s, 10 starts/hr @ 55°C)		Heavy Duty ⁴ (450%, 30s, 4 starts/hr @ 55°C)		Catalog Number (Old Catalog Number)	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)	
	Motor HP ¹	Starter Amps ²	Motor HP ¹	Starter Amps ²							
575 Vac	Input Power Supply: Three-Phase 230 Vac										
	15	17	10	14	SSW070017T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,158	E17 (E1)	
	25	24	20	20	SSW070024T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,241	E17 (E1)	
	30	30	25	25	SSW070030T5SZ	1	6.4 x 2.3 x 5.7	2.9	\$1,281	E17 (E1)	
	40	45	30	31	SSW070045T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,461	E17 (E1)	
	60	61	40	43	SSW070061T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,646	E17 (E1)	
	75	85	50/60	60	SSW070085T5SZ ³	2	8.2 x 5.6 x 8.0	7.3	\$1,992	E17 (E1)	
	125	130	75/100	94	SSW070130T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$2,501	E17 (E1)	
	150	171	125	125	SSW070171T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$3,177	E17 (E1)	
	200	200	150	150	SSW070200T5SZ ³	3	10.9 x 8.6 x 8.7	16.8	\$3,766	E17 (E1)	
	250	255	200	185	SSW070255T5SH1Z (SSW070255T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$4,598	E17 (E1)	
	300	312	250	224	SSW070312T5SH1Z (SSW070312T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$4,992	E17 (E1)	
	400	365	250	263	SSW070365T5SH1Z (SSW070365T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$5,187	E17 (E1)	
	450	412	300	298	SSW070412T5SH1Z (SSW070412T5SZ)	4	13.0 x 9.0 x 9.6	28.2	\$6,088	E17 (E1)	

Notes:

1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.

2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.

3) Must be used with Ventilation kit.

4) Crusher, loaded Conveyor, Shredder, wood chipper, centrifuge, High inertia centrifugal fan, ball mill, hammer mill etc. are application examples where Heavy duty rated soft starter shall be used. "

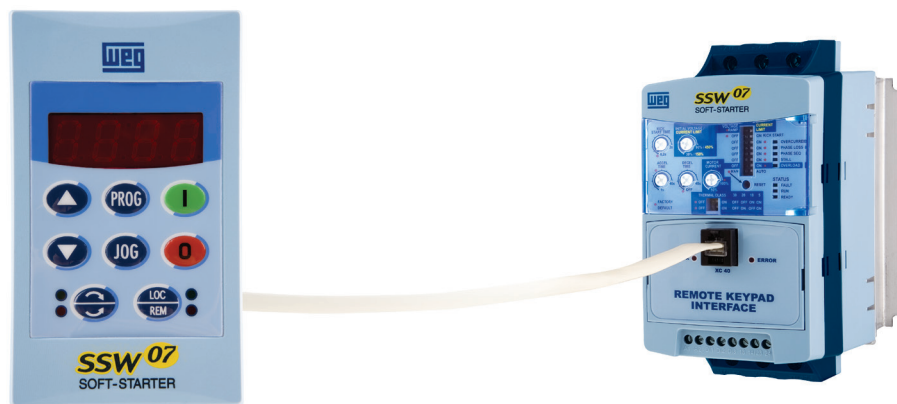
SSW07

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
Keypad	SSW07-08-HMI-LOC	Local Keypad - Mounts on SSW07 Soft Starter	1.1	\$174	E17 (E1)
	SSW07-HMI-REM	Remote Keypad Kit - Includes HMI and Interface Module	3.1	\$340	E17 (E1)
	SSW07-HMI-REM-485	Remote Keypad Kit - Includes HMI RS485 Comm. Card	3.8	\$427	E17 (E1)
Remote Cable	CAB-RS-1	3.3 ft (1 meter) Remote Keypad Cable	0.5	\$23	E17 (V1)
	CAB-RS-2	6.6 ft (2 meter) Remote Keypad Cable	0.7	\$31	E17 (V1)
	SSW05-07-08-CRS-3M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	E17 (V1)
	SSW05-07-08-CRS-5M	16 ft (5 meter) Remote Keypad Cable	1.2	\$51	E17 (V1)
	CAB-RS-7.5	25 ft (7.5 meter) Remote Keypad Cable	1.5	\$62	E17 (V1)
	CAB-RS-10	33 ft (10 meter) Remote Keypad Cable	2.0	\$72	E17 (V1)
Communication	SSW07-08-KRS-232	RS-232 Communication Kit	1.6	\$121	E17 (E1)
	SSW07-08-KRS-485	RS-485 Communication Kit	1.6	\$201	E17 (E1)
	CAB-COMM-3	Cable for Communication RS232 (DB9-DB9) - 9.9ft. (3 meter)	1.1	\$75	E17 (E1)
	CAB-COMM-10	Cable for Communication RS232 (DB9-DB9) - 33 ft (10 meter)	2.0	\$164	E17 (E1)
	KFB-DN-SSW07	DeviceNet Communication Kit plus Remote HMI Connection	2.3	\$353	E17 (E1)
Kits	SSW0708900-KVT-2B ¹	Ventilation Kit M2 (Frame Size 2, 45 to 85A)	1.4	\$65	E17 (E1)
	SSW0708900-KVT-3C ¹	Ventilation Kit M3 (Frame Size 3, 130 to 200A)	1.4	\$94	E17 (E1)
	SSW07-08-KPTC-MTR	PTC Kit for motor	0.8	\$123	E17 (E1)
	SSW0708900-IP20-3C	IP20 Kit for M3 (Frame Size 3, 130 to 200A)	1.1	\$62	E17 (E1)
	SSW0708900-IP20-4D	IP20 Kit for M4 (Frame Size 4, 255 to 412A)	1.1	\$130	E17 (E1)
	KSDG2-SSW07	Superdrive G2 Kit (Includes KRS-232-SSW07, CAB-COMM-3, CD Software)	1.9	\$225	E17 (E1)

Notes:

1) M2 and M3 Ventilation Kit Cooling Fans require 120 Vac Single-Phase Power

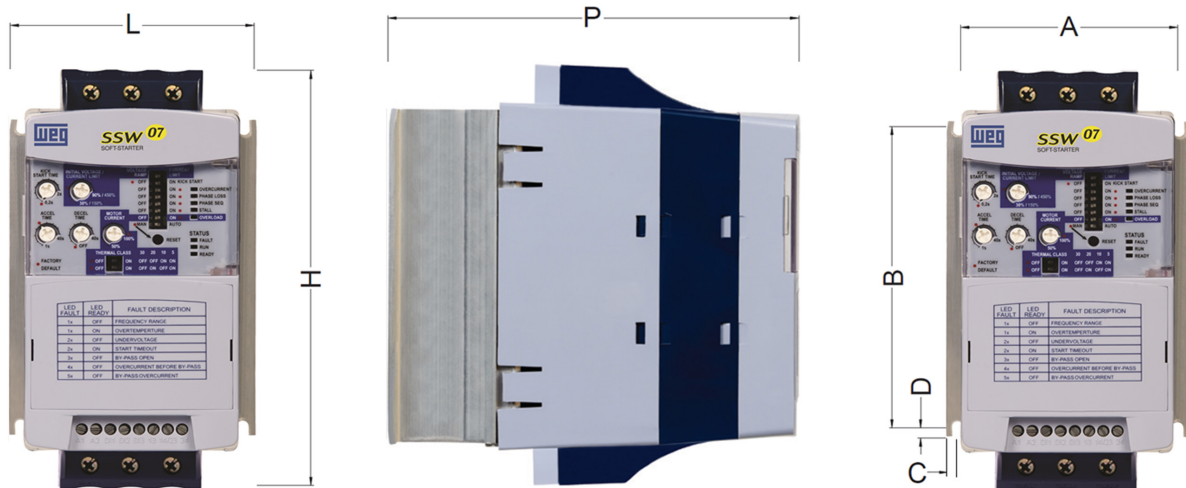


HMI-REMOTE-SSW07; REMOTE KEYPAD

Dimensions

Frame Size IP20"	Height 'H' in. (mm)	"Width 'L' in. (mm)"	"Depth 'P' in. (mm)"	"A' in. (mm)"	"B' in. (mm)"	"C' in. (mm)"	"D' in. (mm)"	"Mounting Screw in. (metric)"	"Weight Lbs. (kG)"
1	6.4 (162)	3.8 (95)	6.2 (157)	3.4 (85)	4.8 (120)	0.20 (5)	0.16 (4.0)	5/32 (M4)	2.9 (1.3)
2	8.3 (208)	5.6 (141)	8.0 (202)	5.2 (132)	5.9 (148)	0.25 (6)	0.13 (3.4)	5/32 (M4)	7.3 (3.3)
3	10.9 (276)	8.6 (218)	8.7 (220)	8.2 (208)	8.3 (210)	0.30 (7.5)	0.20 (5.0)	3/16 (M5)	16.8 (7.6)
4 *	13.1 (331)	9.0 (227)	9.6 (242)	9.6 (242)	11.0 (280)	0.60 (15)	0.35 (9.0)	5/16 (M8)	25.4 (11.5)

* Frame 4 is IP00 protection rating. See Page 80 for IP20 kit.



SSW07

Technical Data

Power Supply	Power	220 to 575 Vac	
	Control	110 to 240 Vca (-15% to +10%), or 91 to 264 Vac, Models from 17A to 200A 110 to 130 Vca (-15% to +10%), or 91 to 143 Vac, Models from 255A and above	
	Frequency	50 to 60 Hz (+/- 10%), or 45 to 66 Hz	
Enclosure	Injected plastic	IP20 in models from 17 to 85 A	
		IP00 in models from 130 to 200 A (IP20 as option)	
Control	Control Method	Voltage variation over the load (three-phase induction motor)	
	CPU	DSP type microcontroller (Digital Signal Processor)	
	Types of Control	Voltage ramp Current limit adjustable 150 – 450%	
Ambient	Temperature	32...132 F (0...55C)	
	Humidity	Humidity 5% ... 90% non condensing	
	Altitude	0...3300 ft (0 ... 1000m): standard operation at rated current. Up to 13300 ft (4000m): with 10% / 1000m output current de rating.	
Starting Cycle (1)	Normal	300% (3 x Inom.) during 30 s, 10 starts per hour (every 6 minutes)	
Inputs	Digital	3 isolated programmable inputs (120Vac)	
Outputs	Relay	2 relays with NO contacts, 240Vac, 1A, programmable functions	
Safety	Standard Protection	Overcurrent;	Locked Rotor
		Overcurrent before By-pass	Excess starting time
		Phase loss;	Frequency outside tolerance
		Inverted phase sequence;	By-pass contact open
		Overtemperature in power heatsink;	Undervoltage in control supply
		Motor Overload (class 5 to 30)	
		Undercurrent	Programming error
		Current imbalance	Serial communication error
		Subcurrent before By-pass	MMI communication error
		External defects	Overtemperature in motor PTC
Functions / Resources	Standard	Voltage ramp (Initial voltage: 30% to 90%)	
		Current limitation (150% to 450% of SSW-07 rated current)	
		Starting time (1 to 40s)	
		Kick Start (Off - 0,2 to 2s)	
		Deceleration ramp (0 to 40s)	
		Motor and SSW-07 current relation (50% to 100%)	
		Faults auto-reset	
		Thermal memory auto-reset	
		Factory standard reset	
		Soft-starter built-in By-pass	
Ambient	Temperature	0 ... 131 °F (0 ... 55°C): standard operation at rated current	
	Humidity	20 ... 90%, non condensing	
	Altitude	0 ... 3300 ft (0 ... 1000 m): standard operation at rated current Up to 13300 ft (4000 m): with 1% output current De-rating for every 100 meter above 1000m.	

Note:
1) For the 45 to 200 Amp units using the ventilation kit.

Continued on next page

Technical Data - continued

Programming Accessory (MMI or Serial communication)	Command	On, Off / Reset and Parameterization (function Programming)
	Additional Functions / Resources	Starting time up to 240s
		Deceleration time up to 240s
		Program enabling password
		Selection for Local / Remote operation
		COPY function (SSW-07 >>> MMI and MMI >>> SSW-07)
		Programmable rated voltage
	Supervision (Reading)	Motor current (%Soft-Starter In)
		Motor current (%motor In)
		Motor current (A)
		Current indication in each phase R-S-T
		Supply network frequency
		Apparent power supplied to load (kVA)
		Soft-Starter status
		Digital input and output status
		Back up of 4 last errors
		Soft-Starter Software Version
Heatsink temperature		
Motor thermal protection status		
Accessories and Options	Options	Plug-in type local MMI
		MMI remote Kit
		1,2,3,5,7.5 and 10m for remote MMI interconnection
		RS-232 communication kit
		SSW-07 interconnection cables>>> PC Serial (RS-232) 3 and 10m
		RS-485 communication kit
		Motor PTC kit
		Ventilation kit for size 2 (45 to 85 A)
		Ventilation kit for size 3 (130 to 200 A)
		IP20 kit for size 3 (130 to 200 A)
Finishing	Color	Lid: Gray Ultra Mat
		Cabinet: Blue Ultra Mat
Certifications	Safety	UL 508 Standard- Industrial Control Equipment
	Low voltage	EN60947-4-2;LVD 2006/95/EC Standard – Low voltage Directive
	EMC	EMC 89/336/EEC Directive – Industrial Environment
	UL (USA) / cUL (Canada)	Underwriters Laboratories Inc. – USA
	CE (Europe)	Conformity test conducted by EPCOS
	C-Tick (Australia)	Australian Communication Authority
	GOST (Russia)	

SSW900- Reduced Voltage Soft Starter

The Next Generation Advanced RVSS with Bluetooth Capability

Combining convenience and innovation, the SSW900 is the right choice for a complete motor protection and start/stop control. Developed for industrial use, the new line of soft-starters allows easy and simple access to the configuration settings and application data. Using a well-structured menu interface, the SSW900 line provides an unprecedented experience of interactivity with the user, allowing adjustments and configurations with online parameter help right on the Keypad. In addition, event logs with date and time & set up assistant are available. All models of SSW900 soft starter have built in AC1 bypass, which contributes to extending the life of the soft starter, optimizing space, and reducing heat dissipation inside electric panels.

Standard Features

- Universal Power Supply- 10A to 1400A @ 220vac - 575vac (+10% / -15%).
- 1/90-250Vac auxiliary control voltage.
- Built in AC1 bypass contactors for all models.
- Conformal coated circuit board.
- Detachable Text/Graphic Keypad with USB port & with built-in Bluetooth (Bluetooth allows easy programming & monitoring of SSW900 using Cell phone app “WEG WPS”).
- Real time clock with event log & Copy function.
- Oriented start-up and online help.
- Voltage ramp, Voltage ramp + Current Limit, Current Limit, Pump Control, Torque control, Direct on line (DOL) start modes.
- 2 independent slots to connect plug-in modules.
- Five isolated programmable digital inputs.
- One motor thermistor input.
- Three programmable relay outputs (2 Amp – 240V).
- One programmable analog output (0-10V, 0/4-20mA).
- Built-in SoftPLC (requires PC with WEG WPS software).
- Diagnostic features: overvoltage & undervoltage, voltage imbalance between phases, phase sequence, Motor overload and underload, overcurrent & undercurrent, current imbalance, Short circuit, SCRs under and over temperature, Time between starts etc.
- Display readings: Three main display screens, each display screen can be configured to display nine variables like motor current, input & output voltage, output power, Power factor, motor torque etc.
- Ambient: 32°F to 131°F (55°C) / 104°F (40°C), frame dependent.
- Optional Communication: RS-485 (Modbus RTU), CANopen, DeviceNet, Profibus DP, Ethernet/IP, Modbus TCP/IP, ProfiNet IO.

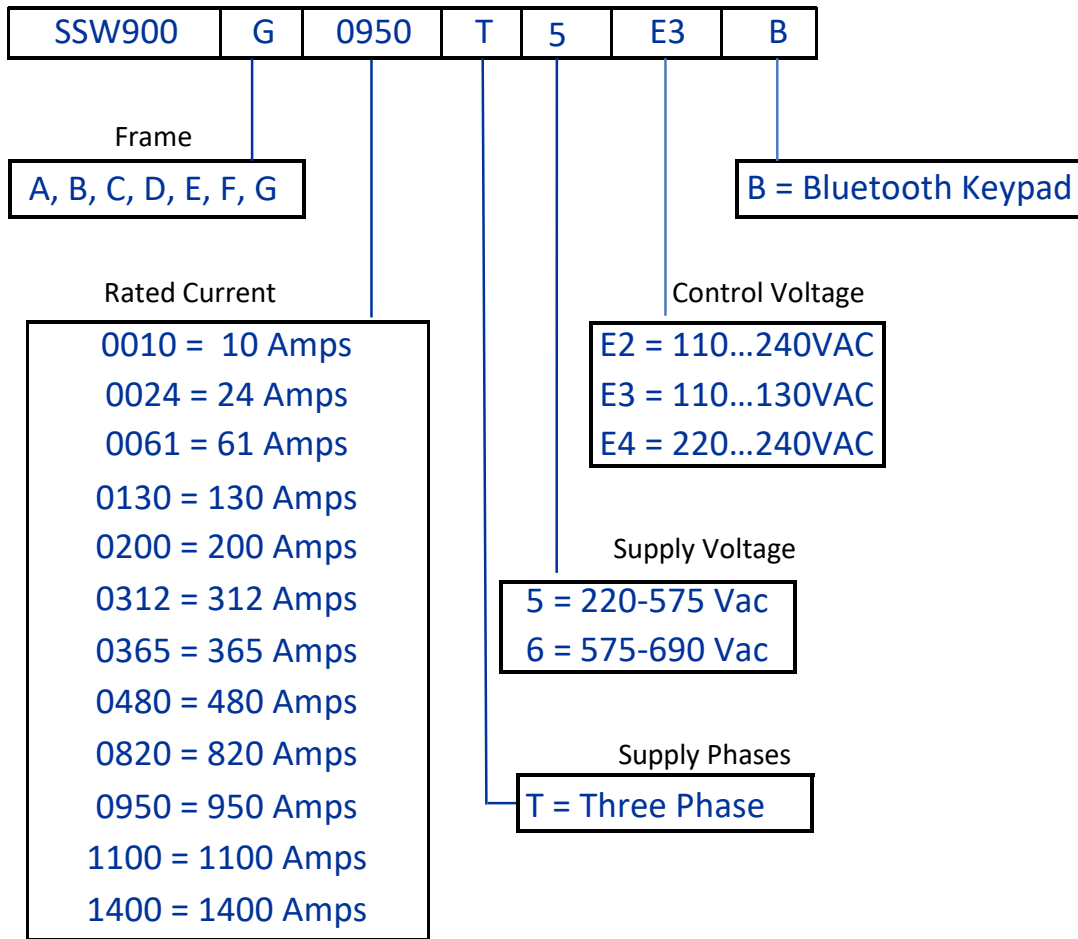


Applications

- Pumps
- Fans/Blowers
- Mixers/Grinders
- Compressors
- Conveyors
- Centrifuges
- Crushers
- Ball & Hammer Mills



SSW900 Catalog Number Sequence



SSW900

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size ³	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Standard Duty		Heavy Duty ⁴							
3 Ph, 230 Vac	300%, 30 s, 10 starts/hr @ 55°C		450%, 30 s, 4 starts/hr @ 55°C		Input Power Supply: Three-Phase 200-240 Vac					
	3	10	3	10	SSW900A0010T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,386	E19 (E1)
	5	17	5	14	SSW900A0017T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,429	E19 (E1)
	7.5	24	7.5	20	SSW900A0024T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,572	E19 (E1)
	10	30	10	25	SSW900A0030T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,703	E19 (E1)
	15	45	10	31	SSW900B0045T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$1,976	E19 (E1)
	25	61	15	43	SSW900B0061T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$2,181	E19 (E1)
	30	85	20/25	60	SSW900B0085T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$2,771	E19 (E1)
	40	105	30	75	SSW900B0105T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$3,160	E19 (E1)
	50	130	40	94	SSW900C0130T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$3,547	E19 (E1)
	60	171	50	125	SSW900C0171T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$4,270	E19 (E1)
	75	200	60	150	SSW900C0200T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$5,354	E19 (E1)
	100	255	75	185	SSW900D0255T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$7,188	E19 (E1)
	125	312	75	224	SSW900D0312T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$7,896	E19 (E1)
	150	365	100	263	SSW900D0365T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$8,721	E19 (E1)
	150	412	125	298	SSW900D0412T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$9,465	E19 (E1)
	300%, 30 s, 5 starts/hr @ 40°C		450%, 30 s, 4 starts/hr @ 40°C		Input Power Supply: Three-Phase 230 Vac					
	200	480	150	354	SSW900E0480T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$11,730	E19 (E1)
	250	604	150	409	SSW900E0604T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$13,082	E19 (E1)
	250	670	175	454	SSW900E0670T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$14,878	E19 (E1)
350	820	200	553	SSW900F0820T5E3B	F	29.9" x 29.9" x 12.4"	166.2	\$17,573	E19 (E1)	
400	950	250	643	SSW900F0950T5E3B	F	29.9" x 29.9" x 12.4"	166.2	\$26,592	E19 (E1)	
450	1100	300	745	SSW900G1100T5E3B	G	36.0" x 36.0" x 12.4"	236.3	\$33,351	E19 (E1)	
550	1400	400	953	SSW900G1400T5E3B	G	36.0" x 36.0" x 12.4"	236.3	\$42,863	E19 (E1)	

***Notes:**

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.
- 3) Must be used with Ventilation kit.
- 4) Crusher, loaded Conveyor, Shredder, wood chipper, centrifuge, High inertia centrifugal fan, ball mill, hammer mill etc. are application examples where Heavy duty rated soft starter shall be used. *

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size ³	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Standard Duty		Heavy Duty ⁴							
3 Ph, 460 Vac	300%, 30 s, 10 starts/hr @ 55°C		450%, 30 s, 4 starts/hr @ 55°C		Input Power Supply: Three-Phase 460 Vac					
	5	10	5	10	SSW900A0010T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,386	E19 (E1)
	10	17	10	14	SSW900A0017T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,429	E19 (E1)
	15	24	15	20	SSW900A0024T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,572	E19 (E1)
	20	30	20	25	SSW900A0030T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,703	E19 (E1)
	30	45	25	31	SSW900B0045T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$1,976	E19 (E1)
	40/50	61	30	43	SSW900B0061T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$2,181	E19 (E1)
	60/75	85	40/50	60	SSW900B0085T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$2,771	E19 (E1)
	75	105	60	75	SSW900B0105T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$3,160	E19 (E1)
	100	130	75	94	SSW900C0130T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$3,547	E19 (E1)
	125	171	100	125	SSW900C0171T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$4,270	E19 (E1)
	150	200	125	150	SSW900C0200T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$5,354	E19 (E1)
	200	255	150	185	SSW900D0255T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$7,188	E19 (E1)
	250	312	175	224	SSW900D0312T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$7,896	E19 (E1)
	300	365	200	263	SSW900D0365T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$8,721	E19 (E1)
	350	412	250	298	SSW900D0412T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$9,465	E19 (E1)
	300%, 30 s, 5 starts/hr @ 40°C		450%, 30 s, 4 starts/hr @ 40°C		Input Power Supply: Three-Phase 460 Vac					
	400	480	300	354	SSW900E0480T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$11,730	E19 (E1)
	500	604	350	409	SSW900E0604T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$13,082	E19 (E1)
	600	670	400	454	SSW900E0670T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$14,878	E19 (E1)
	700	820	450	553	SSW900F0820T5E3B	F	29.9" x 29.9" x 12.4"	166.2	\$17,573	E19 (E1)
800	950	500	643	SSW900F0950T5E3B	F	29.9" x 29.9" x 12.4"	166.2	\$26,592	E19 (E1)	
900	1100	650	745	SSW900G1100T5E3B	G	36.0" x 36.0" x 12.4"	236.3	\$33,351	E19 (E1)	
1200	1400	850	953	SSW900G1400T5E3B	G	36.0" x 36.0" x 12.4"	236.3	\$42,863	E19 (E1)	

***Notes:**

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.
- 3) Must be used with Ventilation kit.
- 4) Crusher, loaded Conveyor, Shredder, wood chipper, centrifuge, High inertia centrifugal fan, ball mill, hammer mill etc. are application examples where Heavy duty rated soft starter shall be used. *

SSW900

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size ³	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
	Standard Duty		Heavy Duty ⁴							
3 Ph, 575 Vac	300%, 30 s, 10 starts/hr @ 55°C		450%, 30 s, 4 starts/hr @ 55°C		Input Power Supply: Three-Phase 575 Vac					
	7.5	10	7.5	10	SSW900A0010T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,386	E19 (E1)
	15	17	10	14	SSW900A0017T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,429	E19 (E1)
	20	24	20	20	SSW900A0024T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,572	E19 (E1)
	30	30	25	25	SSW900A0030T5E2B	A	7.9" x 5.0" x 8.0"	4.3	\$1,703	E19 (E1)
	40	45	30	31	SSW900B0045T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$1,976	E19 (E1)
	60	61	40	43	SSW900B0061T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$2,181	E19 (E1)
	75	85	50/60	60	SSW900B0085T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$2,771	E19 (E1)
	100	105	75	75	SSW900B0105T5E2B ³	B	8.2" x 5.7" x 10.2"	8.9	\$3,160	E19 (E1)
	125	130	100	94	SSW900C0130T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$3,547	E19 (E1)
	150	171	125	125	SSW900C0171T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$4,270	E19 (E1)
	200	200	150	150	SSW900C0200T5E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$5,354	E19 (E1)
	250	255	200	185	SSW900D0255T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$7,188	E19 (E1)
	300	312	250	230	SSW900D0312T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$7,896	E19 (E1)
	350	365	250	263	SSW900D0365T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$8,721	E19 (E1)
	400	412	300	298	SSW900D0412T5E3B	D	13.0" x 8.9" x 11.1"	28.3	\$9,465	E19 (E1)
	300%, 30 s, 5 starts/hr @ 40°C		450%, 30 s, 4 starts/hr @ 40°C		Input Power Supply: Three-Phase 575 Vac					
	500	480	350	354	SSW900E0480T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$11,730	E19 (E1)
	650	604	400	409	SSW900E0604T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$13,082	E19 (E1)
	750	670	500	454	SSW900E0670T5E3B	E	22.6" x 15.4" x 10.2"	83.7	\$14,878	E19 (E1)
850	820	600	553	SSW900F0820T5E3B	F	29.9" x 29.9" x 12.4"	166.2	\$17,573	E19 (E1)	
1050	950	700	643	SSW900F0950T5E3B	F	29.9" x 29.9" x 12.4"	166.2	\$26,592	E19 (E1)	
1200	1100	800	745	SSW900G1100T5E3B	G	36.0" x 36.0" x 12.4"	236.3	\$33,351	E19 (E1)	
1500	1400	1050	953	SSW900G1400T5E3B	G	36.0" x 36.0" x 12.4"	236.3	\$42,863	E19 (E1)	
3Ph, 690 Vac ⁵	300%, 30 s, 10 starts/hr @ 55°C		450%, 30 s, 4 starts/hr @ 55°C		Input Power Supply: Three-Phase 690 Vac					
	150	130	100	94	SSW900C0130T6E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$4,529	E19 (E1)
	200	171	150	125	SSW900C0171T6E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$5,705	E19 (E1)
	250	200	200	150	SSW900C0200T6E2B ³	C	10.9" x 8.8" x 10.3"	14.4	\$7,172	E19 (E1)
	300	255	250	185	SSW900D0255T6E3B	D	13.0" x 8.9" x 11.1"	28.3	\$8,242	E19 (E1)
	400	312	300	230	SSW900D0312T6E3B	D	13.0" x 8.9" x 11.1"	28.3	\$8,948	E19 (E1)
	450	365	350	263	SSW900D0365T6E3B	D	13.0" x 8.9" x 11.1"	28.3	\$9,299	E19 (E1)
	550	412	400	298	SSW900D0412T6E3B	D	13.0" x 8.9" x 11.1"	28.3	\$11,181	E19 (E1)
	300%, 30 s, 5 starts/hr @ 40°C		450%, 30 s, 4 starts/hr @ 40°C		Input Power Supply: Three-Phase 690 Vac					
	600	480	450	354	SSW900E0480T6E3B	E	22.6" x 15.4" x 10.2"	83.7	\$13,841	E19 (E1)
	750	604	550	409	SSW900E0604T6E3B	E	22.6" x 15.4" x 10.2"	83.7	\$15,439	E19 (E1)
	850	670	600	454	SSW900E0670T6E3B	E	22.6" x 15.4" x 10.2"	83.7	\$14,932	E19 (E1)
	1000	820	650	553	SSW900F0820T6E3B	F	29.9" x 29.9" x 12.4"	166.2	\$17,646	E19 (E1)
	1200	950	750	643	SSW900F0950T6E3B	F	29.9" x 29.9" x 12.4"	166.2	\$28,794	E19 (E1)
	1400	1100	900	745	SSW900G1100T6E3B	G	36.0" x 36.0" x 12.4"	236.3	\$34,673	E19 (E1)
	1700	1400	1200	953	SSW900G1400T6E3B	G	36.0" x 36.0" x 12.4"	236.3	\$44,509	E19 (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.
- 3) Must be used with Ventilation kit.
- 4) Crusher, loaded Conveyor, Shredder, wood chipper, centrifuge, High inertia centrifugal fan, ball mill, hammer mill etc. are application examples where Heavy duty rated soft starter shall be used.
- 5) The 690VAC Soft starters are not "UL Listed" and are non-stocked items. Please consult WEG for availability.

Options and Accessories

Type	CATALOG NUMBER	Description	List Price	Multiplier New (Old)
Keypad	SSW900-HMI-BLT	Standard Bluetooth Keypad	\$345	E19 (E1)
	SSW900-KMD-CB01	Remote Keypad Frame + 1m (3.3ft) Cable	\$65	E19 (E1)
	SSW900-KMD-CB02	Remote Keypad Frame + 2m (6.6ft) Cable	\$75	E19 (E1)
	SSW900-KMD-CB03	Remote Keypad Frame + 3m (10ft) Cable	\$85	E19 (E1)
	SSW900-KMD-CB05	Remote Keypad Frame + 5m (16ft) Cable	\$115	E19 (E1)
	SSW900-KMD-CB07	Remote Keypad Frame + 7.5m (26ft) Cable	\$155	E19 (E1)
	SSW900-KMD-CB10	Remote Keypad Frame + 10m (33ft) Cable	\$195	E19 (E1)
	SSW900-KMD-CB20	Remote Keypad Frame + 20m (66ft) Cable	\$355	E19 (E1)
Communication	SSW900-CDN-N	Devicenet Anybus plug-in module	\$1,280	E19 (E1)
	SSW900-CETH-IP-N	Ethernet/IP Anybus plug-in module	\$2,215	E19 (E1)
	SSW900-CMB-TCP-N	Modbus-TCP Anybus plug-in module	\$1,800	E19 (E1)
	SSW900-CPDP-N	Profibus DP Anybus plug-in module	\$1,175	E19 (E1)
	SSW900-CPN-IO-N	Profinet IO Anybus plug-in module	\$2,075	E19 (E1)
	SSW900-CRS485-W	RS485 plug-in module	\$170	E19 (E1)
	SSW900-CAN-W	CANopen and DeviceNet plug-in module	\$330	E19 (E1)
	SSW900-CETH-W	Ethernet/IP plug-in module (Available in December 2021)	\$1,220	E19 (E1)
I/O Expansion	SSW900-PT100-W	PT100 temperature transducer module (6 inputs)	\$430	E19 (E1)
Ventilation Kits	SSW0708900-KVT-2B	Ventilation Kit for SSW07, Frame-2 and SSW900, Frame-B (45 to 105 A)	\$65	E17 (E1)
	SSW0708900-KVT-3C	Ventilation Kit for SSW07, Frame-3 and SSW900, Frame-C (130 to 200 A)	\$94	E17 (E1)
IP20 Kits	SSW0708900-IP20-3C	IP20 Kit for SSW07, Frame-3 and SSW900, Frame-C (130 to 200 A)	\$62	E17 (E1)
	SSW0708900-IP20-4D	IP20 Kit for SSW07, Frame-4 and SSW900, Frame-D (255 to 412 A)	\$130	E17 (E1)
Front cover kit	SSW0708900-PROT-3C	Front cover kit for power terminals for SSW07, Frame-3 and SSW900, Frame-C (130 to 200 A)	\$55	E17 (E1)
	SSW0708900-PROT-4D	Front cover kit for power terminals for SSW07, Frame-4 and SSW900, Frame D (255 to 412 A)	\$65	E17 (E1)
	SSW900-PROT-E	Front cover kit for power terminals for SSW900 frame E (480 to 670 A)	\$130	E19 (E1)
External Current Transformers	SSW900-KECA-10	External Current Transformer for SSW900 10A	\$415	E19 (E1)
	SSW900-KECA-17	External Current Transformer for SSW900 17A	\$435	E19 (E1)
	SSW900-KECA-24	External Current Transformer for SSW900 24A	\$455	E19 (E1)
	SSW900-KECA-30	External Current Transformer for SSW900 30A	\$470	E19 (E1)
	SSW900-KECA-45	External Current Transformer for SSW900 45A	\$510	E19 (E1)
	SSW900-KECA-61	External Current Transformer for SSW900 61A	\$540	E19 (E1)
	SSW900-KECA-85	External Current Transformer for SSW900 85A	\$565	E19 (E1)
	SSW900-KECA-105	External Current Transformer for SSW900 105A	\$580	E19 (E1)
	SSW900-KECA-130	External Current Transformer for SSW900 130A	\$620	E19 (E1)
	SSW900-KECA-171	External Current Transformer for SSW900 171A	\$650	E19 (E1)
	SSW900-KECA-200	External Current Transformer for SSW900 200A	\$680	E19 (E1)
	SSW900-KECA-255	External Current Transformer for SSW900 255A	\$845	E19 (E1)
	SSW900-KECA-312	External Current Transformer for SSW900 312A	\$885	E19 (E1)
	SSW900-KECA-365	External Current Transformer for SSW900 365A	\$915	E19 (E1)
SSW900-KECA-412	External Current Transformer for SSW900 412A	\$930	E19 (E1)	

SSW900

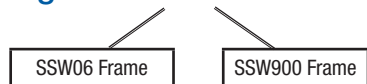
Options and Accessories

Type	CATALOG NUMBER	Description	List Price	Multiplier New (Old)
BusBar extension Kits	SSW900-6BAR-E	Kit with Six busbars for Frame-E for external bypass connection using only compression lugs (e.g. LCAX450-12-6, lug not included in the kit)	\$350	E19 (E1)
	SSW900-3BAR-E-L	Kit with three straight busbars for Frame-E for mechanical Lug "PB2-600". If all top or all bottom cable connections are needed using "PB2-600" lugs, use two (2) kits. (Lugs are not included in the kit).	\$175	E19 (E1)
	SSW900-6BAR-F	Kit with Six busbars for Frame-F for external bypass connection using only compression lugs (e.g. LCAX650-58-6 OR LCAX750-12-3, lugs not included in the kit)	\$435	E19 (E1)
	SSW900-3BAR-F-L	Kit with three straight busbars for Frame-F to connect three or four cables per phase using Compression lugs (e.g. 3 x LCAN400-12-6 OR 4 x LCAX250-58-X, Lugs are not included in the kit)	\$340	E19 (E1)
	SSW900-3BAR-F-L45S	Kit with three 45° angled (going downwards) busbars for Frame-F for all top or all bottom cable connections.	\$395	E19 (E1)
	SSW900-3BAR-F-L45L	Kit with three 45° angled (going upwards) busbars for Frame-F for all top or all bottom cable connections.	\$445	E19 (E1)
	SSW900-3BAR-G	Kit with three 45° angled (going downwards) busbars for Frame-G for all top or all bottom cable connections. Two (2) kits are needed if external bypass contactor is used.	\$515	E19 (E1)
SSW900 Adapter Plates	ADP-1-A	SSW06, Frame-1 to SSW900, Frame-A Adapter Plate	\$115	E19 (E1)
	ADP-2-B	SSW06, Frame-2 to SSW900, Frame-B Adapter Plate	\$135	E19 (E1)
	ADP-23-C	SSW06, Frame-2 & 3 to SSW900, Frame-C Adapter Plate	\$180	E19 (E1)
	ADP-4-D	SSW06, Frame-4 to SSW900, Frame-D Adapter Plate	\$255	E19 (E1)
	ADP-5-DE	SSW06, Frame-5 to SSW900, Frame-D & E Adapter Plate	\$325	E19 (E1)
	ADP-6-EF	SSW06, Frame-6 to SSW900, Frame-E & F Adapter Plate	\$420	E19 (E1)
	ADP-7-F	SSW06, Frame-7 to SSW900, Frame-F Adapter Plate	\$430	E19 (E1)
	ADP-8-G	SSW06, Frame-8 to SSW900, Frame-G Adapter Plate	\$445	E19 (E1)

SSW900 Adapter Plate Table

SSW06		ADAPTER PLATE CATALOG #	SSW900	
Frame Size	Current rating		Frame Size	Current rating
1	10	ADP-1-A	A	10
	16			17
	23			24
	30			30
2	45	ADP-2-B	B	45
	60			61
	85			85
	-			105
3	130	ADP-23-C	C	130
	170			171
	205			200
4	255	ADP-4-D	D	255
	312			312
	365			365
5	412	ADP-5-DE	E	412
	480			480
	604			604
6	670	ADP-6-EF	F	670
	820			820
7	950	ADP-7-F		950
8	1100	ADP-8-G	G	1100
	1400			1400

Adapter Plate Catalog # ADP-1-A

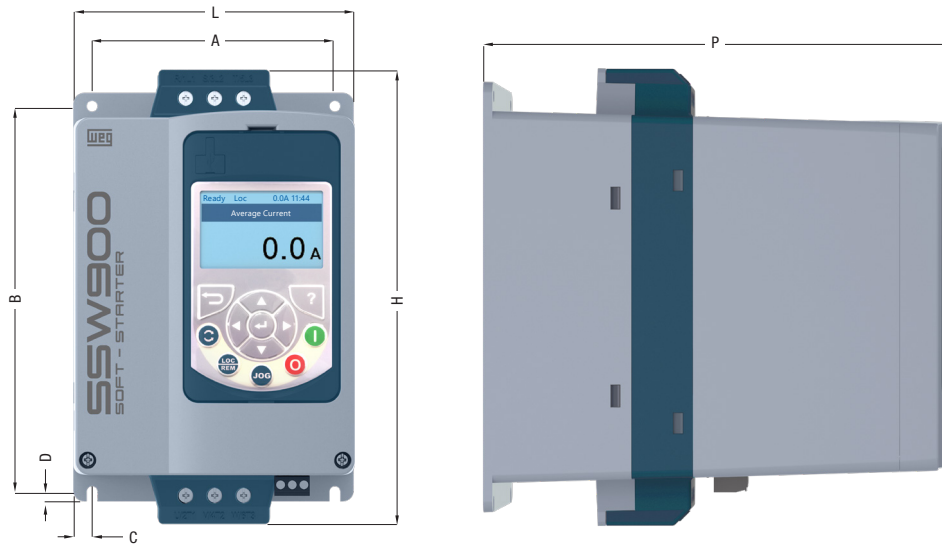


SSW900

Dimensions

Frame Size IP00	Height 'H' in. (mm)	Width 'L' in. (mm)	Depth 'P' in. (mm)	'A' in. (mm)	'B' in. (mm)	'C' in. (mm)	'D' in. (mm)	Mounting Screw	Weight Lbs. (kg)
A *	7.87 (200)	5.00 (127)	7.99 (203)	7.33 (110)	6.89 (175)	0.33 (8.5)	0.17 (4.3)	M4	4.25 (1.93)
B *	8.19 (208)	5.67 (144)	10.24 (260)	5.20 (132)	5.83 (148)	0.24 (6)	0.13 (3.4)	M4	8.86 (4.02)
C	10.87 (276)	8.78 (223)	10.28 (261)	8.19 (208)	8.27 (210)	0.30 (7.5)	0.20 (5.0)	M5	14.44 (6.55)
D	13.03 (331)	8.94 (227)	11.10 (282)	7.87 (200)	11.02 (280)	0.59 (15)	0.35 (9)	M8	28.29(12.83)
E	22.64 (575)	15.35 (390)	10.24 (260)	10.63 (270)	18.90 (480)	2.20 (56)	0.39 (10)	M8	83.78(38.00)
F	29.92 (760)	18.27 (464)	12.44 (316)	12.60 (320)	24.61 (625)	2.83 (72)	0.39 (10)	M8	166.23(75.40)
G	35.98 (914)	21.22 (539)	12.44 (316)	14.53 (369)	28.82 (732)	3.35 (85)	0.47 (12)	M10	236.34(107.20)

* Frame A & B are IP20 protection rating.



Technical Data

Power Supply	Mian Volate	Three-phase 220 - 575VAC (-15%, +10%) (Or 3-Ph, 187 to 632VAC)		
	Control Voltage	Frame-A to C: Single Phase 110 - 240VAC (-15%, +10%) (Or 1-Ph, 93.5 to 264VAC) Frame-D to G: Single Phase 110 - 130VAC (-15%, +10%) (Or 1-Ph, 93.5 to 143VAC)		
	Frequency	50 to 60Hz (+/- 10%) (Or 45 to 66 Hz)		
Enclosure	Degree of Protection	Frame-A, B: IP20 Frame-C to G: IP00		
	Method	Voltage Ramp, Voltage Ramp + Current Limit, Current Limit, Current Ramp Pump Control, Torque Control, D.O.L.		
Starting Duty Cycle	Frame-A, B with ventilation kit, C with ventilation kit, D: 300% (3 x Rated) for 30 Sseconds, 10 Starts per hr. Frame-B w/o ventilation kit & C w/o ventilation kit: 300% (3 x Rated) for 30 Sseconds, 3 Starts per hr. Frame-E, F & G: 300% (3 x Rated) for 30 Sseconds, 5 Starts per hr.			
	Digital	5 x 24 VDC Programmable isolated inputs 1 x Motor PTC Thermistor		
Control Outputs	Relay	2 programmable outputs, 240 VAC (30 VDC) / 2A Form A Contact (NO) 1 programmable output, 240 VAC (30 VDC) / 2A Form C Contact (NO+NC)		
	Analog	1 programmable 0 to 10V or 0/4 to 20 mA output		
Safety	Protections	Motor Voltage Imbalance	Start Overtime	
		Motor Supply Undervoltage / Overvoltage	Time Between Starts	
		Power Short Circuit: Motor Off / Motor On	Locked Rotor	
		Motor Start Phase Loss	Motor Undercurrent/Overcurrent	
		Motor Overload Thermal Class	Phase Reversal	
		Wrong Connection to the Motor	Control Supply Incorrect Voltage	
		Motor Overtemperature (via thermistor Input)	Undervoltage Control Circuit	
		Motor Undertorque/Overtorque	Bypass Contact Open - Not Closed	
		Motor Underpower/Overpower	Bypass Contact Closed - Not Opened	
		Serial Communication Fault	Overcurrent Before Bypass	
		CPU Error (Watchdog)	Bypass Undercurrent	
		Serial Communication Timeout	Motor Current Imbalance	
		SCRs Undertemperature / Overtemperature	Frequency Out of Range	
		R-U/S-V/T-W SCRs Fault	HMI Communication Timeout	
		SCRs Overload	Self-diagnostic Fault	
		Functions / Features	Standard	Built-in detachable LCD Graphic Keypad with Bluetooth, USB port, Real Time clock and Help menu Keypad with three display screens, each display screen can show upto nine variables. Programming enabling password LCD display Language selection: English, Spanish, German and Portuguese Local / Remote operation selection PUMP CONTROL function (Water hammer protection for pumps) COPY function (Soft-Starter to Keypad or Keypad to Soft-Starter) Soft starter integral bypass contactor for all models FWD / REV Feature via Digital Input (Needs External Contactor) Motor PTC thermistor input Built in SoftPLC.
Programmable line voltage	220 ... 575 VAC			
Programmable initial (pedestal) voltage	25 ... 90% of Rated Input Voltage			
Programmable acceleration ramp	1 ... 999 seconds			
Programmable deceleration ramp	0 ... 999 seconds			
Programmable step down voltage for deceleration	100 ... 60 % of line voltage			
Programmable starting current limit	OFF, 150 ... 500 % of motor rated current			
Programmable motor Overcurrent/UnderCurrent	0 ... 99 % above motor rated current			
Programmable motor Overcurrent/Undercurrent time	OFF, 1 ... 99 seconds			
Programmable motor Undertorque (loss of load) / Overtorque (overload or locked Rotor)	0 ... 99 % of motor rated current			
Programmable motor Undertorque (loss of load) / Overtorque (overload or locked Rotor) time	OFF, 1 ... 99 seconds			
Programmable starting torque boost, voltage or current (KICKSTART)	Level: 70 ...90% of line voltage Level: 300 ... 700% of soft starter rated current Duration: 0.1 ...2 seconds			
Programmable fault auto-reset	OFF, 3 ... 600 seconds			
Motor thermal overload protection class	0 (Automatic); 10; 15; 20; 25; 30; 35; 40; 45			
Motor Service Factor	0 (disabled); 0.01 ... 1.50			
Ambient	Temperature		14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity		5-90% Non Condensing	
	Altitude		0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
Regulatory Conformance	IEC 60146		Semiconductor convertors	
	UL 508 C		Power Conversion Equipment	
	UL 840		Insulation coordination including clearances and creepage distances for electrical equipment.	
	EN 50178		Electronic equipment for use in power installations	
	EN 61800-2		General requirements adjustable speed electrical power drive systems	
	EN 61800-3	EMC product standard including specific test methods adjustable speed electrical power drive systems		
	EN 61800-5-1 EN 60204-1	Safety requirements adjustable speed electrical power drive systems Safety of machinery. Electrical equipment of machines. Part 1: General requirements.		
Approvals	RoHS and WEEE Guidelines			
	UL, cUL, CE, C-Tick, GOST, IRAM			
Special Functions	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current			
Keypad	4 digit display, 2 indicator LEDs and 8 keys			
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages			

SSW900

Technical Data

Keypad	Programming / Commands	Start/Stop, Reset, Jog, FWD/REV, ESC, Help, Navigaiton keys & Enter Bluetooth, USB Port, Real Time clock
	Display Readings	Soft-Starter Output current (% of soft starter rated current)
		Motor current (Amps): R Phase, S Phase, T Phase, Average
		Motor current % of motor rated current
		Line frequency (0 ... 99 Hz)
		Line Voltage (0 ... 999VAC)
		Soft starter output voltage (0 - 999VAC)
		Motor active power (kW)
		Motor apparent power (kVA)
		Soft starter status
		Digital and analog I/Os status
		Motor power factor (0.00 - 0.99)
		Time Powered
		Time Enabled
		Four last faults back-up
Soft starter firmware version		
Motor thermal protection (0 - 250)		
Motor current indication in each phase R-S-T		
Line voltage indication R-S / S-T / T-R		
Ambient	Temperature	0...131°F (0...55°C): For SSW900 frame-A to D without derating. 0...104°F (0...40°C): For SSW900 frame-E to G, above 104°F (40°C) with derating.
	Humidity	5-90% Non Condensing
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m). With 1% output current derating per 330ft (100m) above 3300 ft (1000m). With 1.1% voltage derating per 330ft (100m) above 6600 ft (2000m).
Safety Standards	UL 508	Industrial Control Equipment
	EN60947-4-2, LVD 2014/35/EU	Low-voltage Directive
Electromagnetic compatibility standards	CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment - electromagnetic disturbance characteristics - limits and methods of measurement
	EN 61000-4-2	Electromagnetic compatibility (EMC) - part 4: testing and measurement techniques - section 2: Electrostatic discharge immunity test
	EN 61000-4-3	Electromagnetic compatibility (EMC) - part 4: testing and measurement techniques - section 3: radiated, radio-frequency, electromagnetic field immunity test
	EN 61000-4-4	Electromagnetic compatibility (EMC) - part 4: testing and measurement techniques - section 4: electrical fast transient/burst immunity test
	EN 61000-4-5	Electromagnetic compatibility (EMC) - part 4: testing and measurement techniques - section 5: surge immunity test
	EN 61000-4-6	Electromagnetic compatibility (EMC) - part 4: testing and measurement techniques - section 6: immunity to conducted disturbances, induced by radio-frequency fields
	EN 61000-4-11	Electromagnetic compatibility (EMC) - part 4: testing and measurement techniques - section 11: voltage dips, short interruptions and voltage variations immunity tests
	EN 60204-1	"Safety of machinery. Electrical equipment of machines. Part 1: General requirements."
Part 15 of FCC	FCC ID: S9NSPBTLERF	
Mechanical construction standards	EN 60529	degrees of protection provided by enclosures (IP code).
	UL 50	enclosures for electrical equipment.
	IEC 60721-3-3	classification of environmental conditions.
Approvals	UL, cUL, CE, C-Tick, EAC, IRAM, ABS	

SSW06 - Reduced Voltage Soft Starter

The SSW06 is WEG's third generation Soft Starter line. The keypad, with dual display, has red LED digits which provide visibility and make programming easier. Integral bypass contacts eliminate heat dissipation once the motor is at full voltage, which makes it extremely compact and allows for simple integration into non ventilated enclosures and replacement of electro-mechanical starters in Motor Control Centers.



Standard Features

- 200 - 600V, 50/60Hz input power supply
- Built-in run rated (AC1) By-pass contactor up to 820 A *
- Rated 450% current
- Conformal coated circuit board
- Voltage ramp or current limit start modes
- Detachable keypad with dual display (LCD and LED) and copy function
- 90 - 250Vac auxiliary control voltage
- Single 32 bit RISC processor based control board
- IP00 protected chassis enclosure
- Six isolated 24Vdc programmable digital inputs
- Three programmable relay outputs (2 Amp - 250V)
- One 0 - 10Vdc programmable analog output
- One 4 - 20mA programmable analog output
- Motor PTC thermistor input
- RS-232 serial interface
- Adjustable acceleration and deceleration ramps (1 - 299 seconds)
- Adjustable pedestal voltage (25 - 90% of line voltage)
- Diagnostic features: Motor overload, over current and phase loss, motor immediate over and under current, SCR over temperature and fault, line phase loss and phase sequence, line over and under voltage
- Display readings: Motor current, voltage, kW and power factor, line voltage and frequency, four last fault trips, run and power-up timers
- Ambient: 32°F (0°C) to 131°F (55°C), 3300 ft (1000m) altitude, 90% non-condensing humidity

Applications

- Pumps
- Fans
- Blowers
- Compressors
- Crushers
- Saws
- Grinders
- Mixers

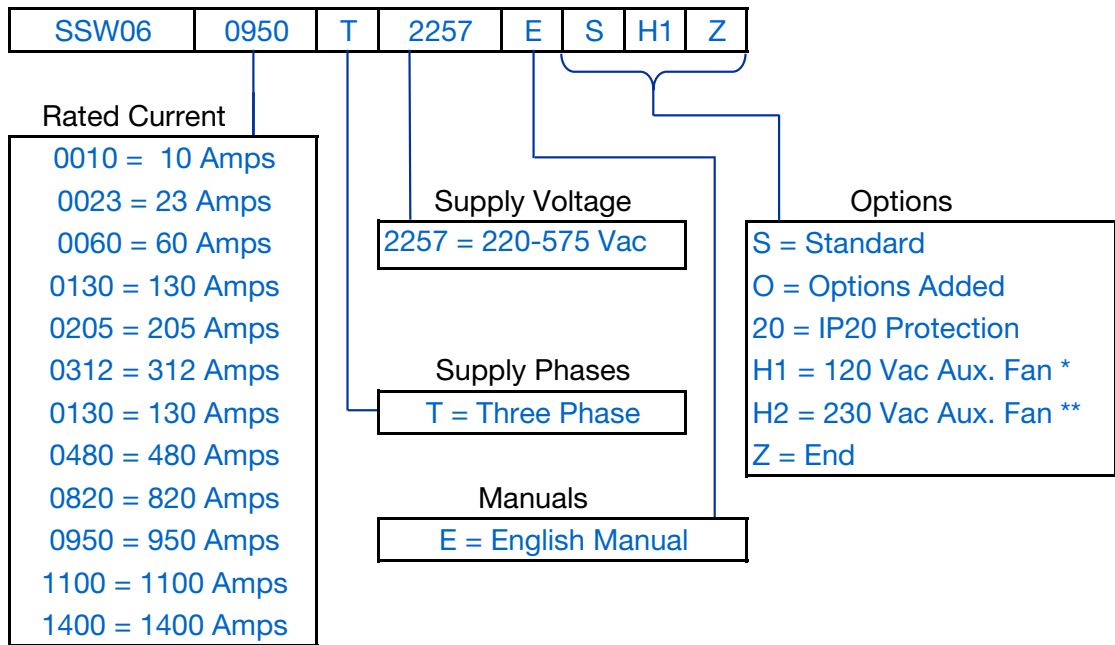
*SSW06 950A, 1100A, and 1400A units do not include integrated AC1 bypass

Optional Features

- RS-485 serial interface
- Remote keypad cables and mounting frame
- PC programming software

SSW06

SSW06 Catalog Number Sequence



* Aux. Cooling Fan requires separate 120 Vac control power

** Aux. Cooling Fan requires separate 230 Vac control power

Table intended as reference only and not to create part numbers.



Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 230 Vac								
230 Vac	3	10	SSW060010T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,386	E16 (E1)
	5	16	SSW060016T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,429	E16 (E1)
	7.5	23	SSW060023T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,572	E16 (E1)
	10	30	SSW060030T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,703	E16 (E1)
	15	45	SSW060045T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$1,976	E16 (E1)
	20	60	SSW060060T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$2,181	E16 (E1)
	25 / 30	85	SSW060085T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$2,771	E16 (E1)
	50	130	SSW060130T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$3,547	E16 (E1)
	60	170	SSW060170T2257ESZ	3	17.3 x 8.8 x 11.0	41	\$4,270	E16 (E1)
	75	205	SSW060205T2257ESZ	3	17.3 x 8.8 x 11.0	41	\$5,354	E16 (E1)
	100	255	SSW060255T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$7,188	E16 (E1)
	125	312	SSW060312T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$7,896	E16 (E1)
	150	365	SSW060365T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$8,721	E16 (E1)
	150	412	SSW060412T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$9,465	E16 (E1)
	200	480	SSW060480T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$11,730	E16 (E1)
	250	604	SSW060604T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$13,082	E16 (E1)
	250	670	SSW060670T2257ESZ	6	32.0 x 22.0 x 15.0	265	\$14,878	E16 (E1)
	350	820	SSW060820T2257ESZ	6	32.0 x 22.0 x 15.0	265	\$17,573	E16 (E1)
400	950	SSW060950T2257ESH1Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$26,592	E16 (E1)	
400	950	SSW060950T2257ESH2Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$26,592	E16 (E1)	
450	1100	SSW061100T2257ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	480	\$33,351	E16 (E1)	
550	1400	SSW061400T2257ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	480	\$42,863	E16 (E1)	
Input Power Supply: Three-Phase 460 Vac								
460 Vac	5	10	SSW060010T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,386	E16 (E1)
	10	16	SSW060016T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,429	E16 (E1)
	15	23	SSW060023T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,572	E16 (E1)
	20	30	SSW060030T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,703	E16 (E1)
	30	45	SSW060045T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$1,976	E16 (E1)
	40	60	SSW060060T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$2,181	E16 (E1)
	50 / 60 / 75	85	SSW060085T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$2,771	E16 (E1)
	100	130	SSW060130T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$3,547	E16 (E1)
	125	170	SSW060170T2257ESZ	3	17.3 x 8.8 x 11.0	41	\$4,270	E16 (E1)
	150	205	SSW060205T2257ESZ	3	17.3 x 8.8 x 11.0	41	\$5,354	E16 (E1)
	200	255	SSW060255T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$7,188	E16 (E1)
	250	312	SSW060312T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$7,896	E16 (E1)
	300	365	SSW060365T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$8,721	E16 (E1)
	350	412	SSW060412T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$9,465	E16 (E1)
	400	480	SSW060480T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$11,730	E16 (E1)
	500	604	SSW060604T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$13,082	E16 (E1)
	550	670	SSW060670T2257ESZ	6	32.0 x 22.0 x 15.0	265	\$14,878	E16 (E1)
	700	820	SSW060820T2257ESZ	6	32.0 x 22.0 x 15.0	265	\$17,573	E16 (E1)
	800	950	SSW060950T2257ESH1Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$26,592	E16 (E1)
	800	950	SSW060950T2257ESH2Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$26,592	E16 (E1)
900	1100	SSW061100T2257ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	480	\$33,351	E16 (E1)	
1200	1400	SSW061400T2257ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	480	\$42,863	E16 (E1)	

1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
3) 120V or 240V Control Power Supply required.
4) 950A, 1100A, and 1400A units do not have integrated AC1 by-pass. A separately mounted by-pass contactor is required.



SSW06

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 575 Vac								
575 Vac	7.5	10	SSW060010T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,386	E16 (E1)
	15	16	SSW060016T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,429	E16 (E1)
	20	23	SSW060023T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,572	E16 (E1)
	30	30	SSW060030T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	\$1,703	E16 (E1)
	40	45	SSW060045T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$1,976	E16 (E1)
	60	60	SSW060060T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$2,181	E16 (E1)
	75	85	SSW060085T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$2,771	E16 (E1)
	125	130	SSW060130T2257ESZ	2	14.6 x 5.2 x 9.6	19	\$3,547	E16 (E1)
	150	170	SSW060170T2257ESZ	3	17.3 x 8.8 x 11.0	41	\$4,270	E16 (E1)
	200	205	SSW060205T2257ESZ	3	17.3 x 8.8 x 11.0	41	\$5,354	E16 (E1)
	250	255	SSW060255T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$7,188	E16 (E1)
	300	312	SSW060312T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$7,896	E16 (E1)
	350	365	SSW060365T2257ESZ	4	21.6 x 14.6 x 12.3	92	\$8,721	E16 (E1)
	450	412	SSW060412T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$9,465	E16 (E1)
	500	480	SSW060480T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$11,730	E16 (E1)
	650	604	SSW060604T2257ESZ	5	26.0 x 15.0 x 14.0	122	\$13,082	E16 (E1)
	750	670	SSW060670T2257ESZ	6	32.0 x 22.0 x 15.0	265	\$14,878	E16 (E1)
	850	820	SSW060820T2257ESZ	6	32.0 x 22.0 x 15.0	265	\$17,573	E16 (E1)
	1050	950	SSW060950T2257ESH1Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$26,592	E16 (E1)
1050	950	SSW060950T2257ESH2Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$26,592	E16 (E1)	
1200	1100	SSW061100T2257ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	480	\$33,351	E16 (E1)	
1500	1400	SSW061400T2257ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	480	\$42,863	E16 (E1)	
Input Power Supply: Three-Phase 690 Vac								
690 Vac ⁵	50	45	SSW060045T5769ESZ	2	14.6 x 5.2 x 9.6	19	\$2,752	E16 (E1)
	75	60	SSW060060T5769ESZ	2	14.6 x 5.2 x 9.6	19	\$3,037	E16 (E1)
	100	85	SSW060085T5769ESZ	2	14.6 x 5.2 x 9.6	19	\$3,725	E16 (E1)
	150	130	SSW060130T5769ESZ	3	17.3 x 8.8 x 11.0	41	\$4,529	E16 (E1)
	200	170	SSW060170T5769ESZ	3	17.3 x 8.8 x 11.0	41	\$5,705	E16 (E1)
	250	205	SSW060205T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$7,172	E16 (E1)
	300	255	SSW060255T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$8,242	E16 (E1)
	400	312	SSW060312T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$8,948	E16 (E1)
	450	365	SSW060365T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$9,299	E16 (E1)
	550	412	SSW060412T5769ESZ	5	26.0 x 15.0 x 14.0	122	\$11,181	E16 (E1)
	600	480	SSW060480T5769ESZ	5	26.0 x 15.0 x 14.0	122	\$13,841	E16 (E1)
	750	604	SSW060604T5769ESZ	5	26.0 x 15.0 x 14.0	122	\$15,439	E16 (E1)
	850	670	SSW060670T5769ESZ	6	32.0 x 22.0 x 15.0	265	\$14,932	E16 (E1)
	1000	820	SSW060820T5769ESZ	6	32.0 x 22.0 x 15.0	265	\$17,646	E16 (E1)
	1200	950	SSW060950T5769ESH1Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$28,794	E16 (E1)
	1200	950	SSW060950T5769ESH2Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$28,794	E16 (E1)
	1400	1100	SSW061100T5769ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	479	\$34,673	E16 (E1)
	1700	1400	SSW061400T5769ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	479	\$44,509	E16 (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) 120V or 240V Control Power Supply required.
- 4) 950A, 1100A, and 1400A units do not have integrated AC1 by-pass. A separately mounted by-pass contactor is required.
- 5) All 690V Starters are non-stocked items, consult WEG for availability.

Options and Accessories

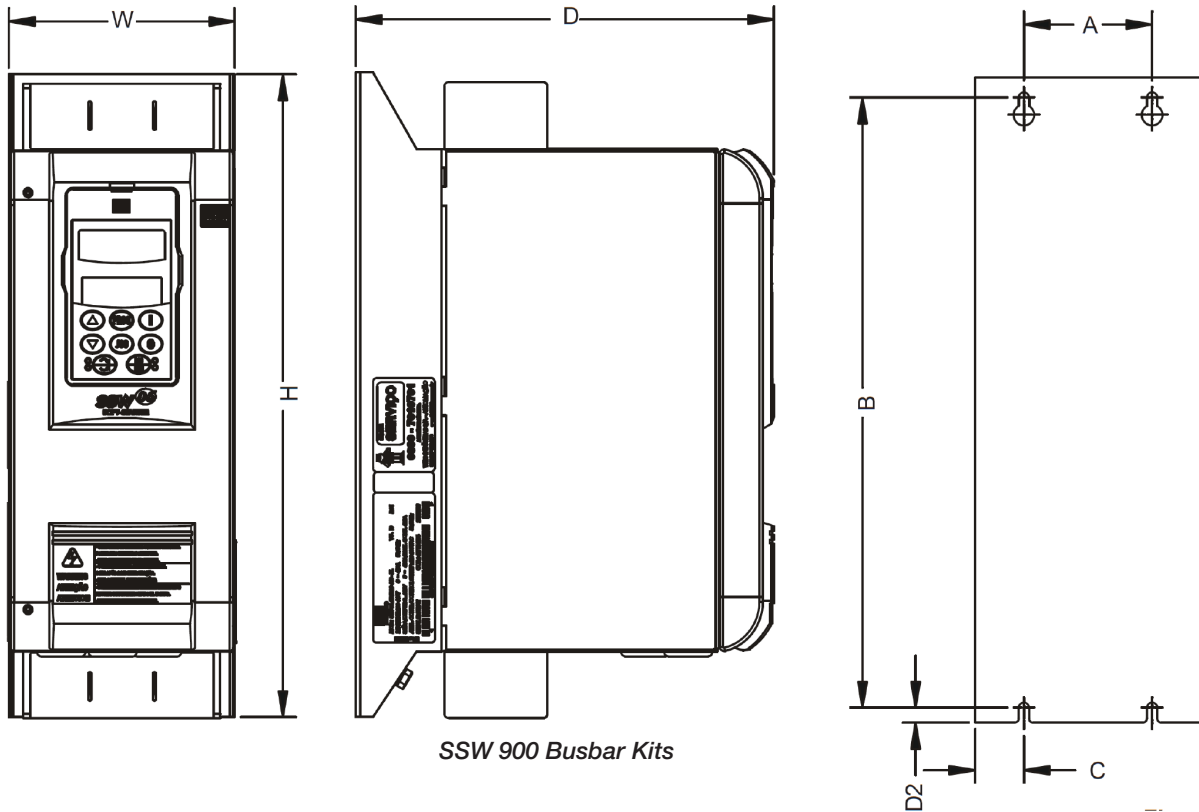
Type	Catalog Number	Description	List Price	Multiplier New (Old)
Keypad	HMI-SSW06-LCD	Standard Keypad with LED & LCD	\$202	E16 (E1)
	KMR-SSW06	Remote Keypad FRAME KIT	\$63	E16 (E1)
Remote Keypad Cables	CAB-HMI-SSW06-1	3.3 ft (1 meter) Remote Keypad Cable - SSW06	\$33	E16 (E1)
	CAB-HMI-SSW06-2	6.6 ft (2 meter) Remote Keypad Cable - SSW06	\$39	E16 (E1)
	CAB-HMI-SSW06-3	9.9 ft (3 meter) Remote Keypad Cable - SSW06	\$44	E16 (E1)
	CAB-HMI-SSW06-5	16 ft (5 meter) Remote Keypad Cable - SSW06	\$68	E16 (E1)
Communication	KFB-PDPV1-SSW06	Profibus DP-PV1 Communication Kit	\$1,194	E16 (E1)
	KFB-DD-SSW06	DeviceNet Drive Profile Communication Kit	\$1,094	E16 (E1)
	KFB-ENIP	Ethernet/IP and Modbus TCP Communication Kit	\$2,100	E16 (E1)
	KFB-DN-SSW06	DeviceNet Communication Kit	\$1,009	E16 (E1)
	KFB-PN	ProfiNet IO Communication Kit	\$2,555	E16 (E1)
	KRS-485-SSW06	Interface for RS-485 Communication	\$189	E16 (E1)
I/O Expansion	KEIO SSW06	KEIO Module for SoftPLC application; 6 isolated DI, 6 relay DO	\$780	E16 (E1)
	K-PT100	PT100 temperature transducer board; 5 sensor inputs	\$397	E16 (E1)
IP20 Kits	KIT IP20 SSW06 M2	SSW06 IP20 Kit - Size 2 (85-130A)	\$210	E16 (E1)
	KIT IP20 SSW06 M3	SSW06 IP20 Kit - Size 3 (170-205A)	\$236	E16 (E1)
	KIT IP20 SSW06 M4	SSW06 IP20 Kit - Size 4 & 5 (255-604A)	\$254	E16 (E1)
	KIT IP20 SSW06 M6	SSW06 IP20 Kit - Size 6 (670-820A)	\$536	E16 (E1)
Current Transducer for External Bypass	SSW06-KECA-950	CT Kit for 950A SSW06 for External Bypass contactor	\$536	E16 (E1)
	SSW06-KECA-1100	CT Kit for 1100A SSW06 for External Bypass contactor	\$550	E16 (E1)
	SSW06-KECA-1400	CT Kit for 1400A SSW06 for External Bypass contactor	\$563	E16 (E1)

SSW06

Dimensions

Frame Size IP00	Height 'H' in. (mm)	Width 'W' in. (mm)	Depth 'D' in. (mm)	'A' in. (mm)	'B' in. (mm)	'C' in. (mm)	'D2' in. (mm)	Mounting Screw in. (metric)	Weight Lbs. (kg)
1 *	10.1 (256)	5.2 (132)	7.2 (182)	3.0 (75)	9.4 (239)	1.10 (28)	0.33 (8.5)	3/16 (M5)	7.3 (3.3)
2	14.6 (370)	5.2 (132)	9.6 (244)	3.0 (75)	13.8 (350)	1.12 (28.5)	0.33 (8.5)	3/16 (M5)	18.5 (8.5)
3	17.3 (440)	8.8 (223)	11.0 (278)	5.9 (150)	16.8 (425)	1.44 (36.5)	0.23 (5.9)	1/4 (M6)	40.8 (18.5)
4	21.7 (550)	14.6 (370)	12.3 (311)	7.9 (200)	20.8 (527.5)	3.35 (85)	0.39 (10)	1/4 (M6)	91.5 (41.5)
5	25.6 (650)	14.6 (370)	13.7 (347)	7.9 (200)	24.7 (627.5)	3.35 (85)	0.39 (10)	1/4 (M6)	121.3 (55)
6	31.3 (795)	21.3 (540)	14.0 (357)	13.8 (350)	30.5 (775)	3.74 (95)	0.29 (7.5)	5/16 (M8)	264.6 (120)
7	33.3 (845)	22.5 (570)	13.7 (347)	15.8 (400)	31.9 (810)	3.31 (84)	0.39 (10)	5/16 (M8)	236 (107)
8	45.2 (1147)	27.0 (685)	17.0 (432)	19.7 (500)	43.7 (1110)	3.66 (93)	0.60 (15)	5/16 (M8)	479.6 (217.5)

* Frame 1 is IP20 protection rating.



Technical Data

Power Supply	Main Voltage	Three-phase 220 - 575VAC (+10%, -15%)		
	Control Voltage	Single-phase 110 - 230 VAC (+10%, -15%), Fan: 110 or 230 VAC only for frame size 4		
	Frequency	50 / 60 Hz (+/- 10 %)		
Enclosure	Metallic Cabinet	IP-00 Degree of Protection		
	Color	Cover: Opaque Gray, Cabinet: Opaque Blue		
Control	Method	Voltage ramp, Current Limit and Pump Control		
	Power Supply	Switched mode		
	CPU	32 bit RISC Microprocessor		
Starting Duty Cycle	Normal	300 % (3 x Rated) for 30 seconds, 10 starts per hour		
	Heavy	450 % (4.5 x Rated) for 30 seconds with 33% current derating		
Control Inputs	Digital	5 X 24 VDC programmable isolated inputs 1 X Motor PTC thermistor		
	Relay	2 programmable outputs 250 VAC / 1A Form A Contact (NO) 1 programmable output 250 VAC / 1A Form C Contact (NO+NC)		
Control Outputs	Analog	1 Programmable Output (11 bits): 0 - 10 VDC 1 programmable output (11 bits) 0 - 20mA or 4 - 20mA		
	Safety	Protections	Under voltage, phase fault or phase imbalance	Excess current limit time
Over temperature			Motor locked rotor	
Motor overload – I 2 t			Motor over current and under current	
External Fault			Phase sequence	
Copy function error			Control under voltage	
Motor not connected			Opened bypass contactor	
Over voltage			Over current before bypass	
Programming error			Immediate over current during bypass	
Communication errors			Current imbalance	
Keypad connection error			Power supply frequency out of range	
Motor over current			Under current before bypass	
Motor over temperature (via thermistor Input)			Bypass contacts not opened	
Self Diagnosis error				
Functions / Features			Standard	Built-in operator interface, detachable with dual display LED + LCD
	Programming enabling password			
	LCD display Language selection: English, Spanish, German and Portuguese			
	Local / Remote operation selection			
	PUMP CONTROL function (Water hammer protection for pumps)			
	COPY function (Soft-Starter to Keypad or Keypad to Soft-Starter)			
	Soft starter integral bypass contactor			
	FWD / REV Feature via Digital Input (Needs External Contactor)			
	RS-232 Serial Interface			
	Motor PTC thermistor input			
	Programmable line voltage	220 ... 575 VAC		
	Programmable initial (pedestal) voltage	25 ... 90% of Rated Input Voltage		
	Programmable acceleration ramp	1 ... 999 seconds		
	Programmable deceleration ramp	OFF, 1 ... 299 seconds		
	Programmable step down voltage for deceleration	100 ... 40 % of line voltage		
	Programmable starting current limit	OFF, 150 ... 500 % of motor rated current		
	Programmable immediate motor over current	0 ... 99 % above rated current		
	Programmable immediate over current time	OFF, 1 ... 99 seconds		
	Programmable immediate motor under current	0 ... 99 % below rated current		
	Programmable immediate under current time	OFF, 1 ... 99 seconds		
	Programmable starting torque boost, voltage or current (KICK-START)	Level: 70 ...90% of line voltage		
		Level: 300 ... 700% of soft starter rated current		
		Duration: 0.1 ...2 seconds		
	Programmable fault auto-reset	OFF, 1 ... 600 seconds		
	Programmable motor thermal memory auto-reset	OFF, 1 ... 600 seconds		
	Motor thermal overload protection class	0 (disabled); 5; 10; 15; 20; 25; 30; 35; 40; 45		
	Motor Service Factor	0 (disabled); 0.01 ... 1.50		
	Optional	Cable for remote keypad connection (3 to 15ft)		
		Remote keypad mounting frame		

SSW06

Technical Data

Keypad	Programming / Commands	Start / Stop, Reset and Programming
		Increase and decrease parameters and their content
	Display readings	Soft-Starter Output current (% of soft starter rated current)
		Motor current (Amps)
		Motor current (% of motor rated current)
		Line frequency (0 ... 99 Hz)
		Line Voltage (0 ... 999VAC)
		Soft starter output voltage (0 - 999VAC)
		Motor active power (kW)
		Motor apparent power (kVA)
		Soft starter status
		Digital and analog I/Os status
		Motor power factor (0.00 - 0.99)
		Time Powered
		Time Enabled
		Four last faults back-up
		Soft starter firmware version
Motor thermal protection (0 - 250)		
Motor current indication in each phase R-S-T		
Line voltage indication R-S / S-T / T-R		
Ambient	Temperature	0 ... 131 °F (0 ... 55°C): standard operation at rated current
	Humidity	20 ... 90%, non condensing
	Altitude	0 ... 3300 ft (0 ... 1000 m): standard operation at rated current Up to 13300 ft (4000 m): with 1% output current De-rating for every 100 meter above 1000m
Certifications	Safety	UL 508 Standard - Industrial Control Equipment
	Low Voltage	EN 60947-4-2 Standard; LVD 73/23/EEC – Low Voltage Directive
	EMC	EMC directive 89 / 336 / EEC - Industrial Environment
	UL (USA) / cUL (Canada)	Underwriters Laboratories Inc. - USA
	CE (EUROPE)	Phoenix Test-Lab / Germany
	C-Tick (Australia)	Australian Communications Authority

SSW7000

WEG's SSW7000 medium voltage solid-state soft starter is an industrial general-purpose starter package for starting & protecting MV AC motors.

Designed to be rugged, reliable and safe, the SSW7000 is a simple and cost effective solution for demanding applications.

Key Features & Advantages:

- 4160V & 2300V models in stock (NEMA 12 & NEMA 3R) up to 3000HP (higher voltages & powers available)
- Suitable for service entrance
- Motor protections active in both DOL & RUN modes eliminating the need for expensive motor protection relays for backup protection
- Pump control utilizes a specific algorithm for centrifugal pumps designed to minimize water hammer and pressure overshoots
- Soft PLC function with license-free software
- Flexible Torque Control (FTC) allows adjusting starting torque limit curve with 3 points (ideal for quadratic loads)
- Motor thermal protection via PT100 monitoring available (up to 8 channels)

Accessories:

- PT100 monitoring (8x channels)
- Network communication modules
- FLASH memory module

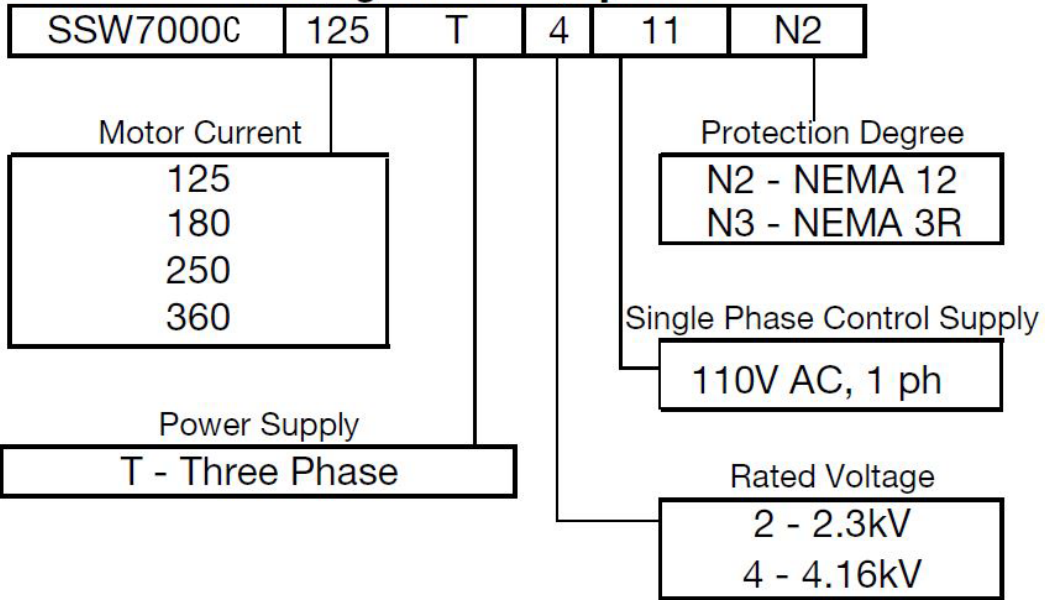


Features that make a difference:

- Assembled and stocked in the US
- NEMA 12 & NEMA 3R enclosures available
- Emergency DOL start capability (ATL bypass)
- Oriented startup for easy commissioning
- UL 347 listed
- Ground fault monitoring standard

Product Code

SSW7000C Catalog Number Sequence



Rating

Power Supply	Model	Rated Current	Motor Power		List Price	Multiplier
			HP*	kW		
NEMA 12						
2300V, 3PH, 60HZ	SSW7000C125T211N2	125A	550	410	\$55,750	E3
	SSW7000C180T211N2	180A	750	560	\$58,665	
	SSW7000C250T211N2	250A	1100	800	\$65,195	
	SSW7000C360T211N2	360A	1500	1100	\$67,430	
4160V, 3PH, 60HZ	SSW7000C125T411N2	125A	1000	750	\$63,950	
	SSW7000C180T411N2	180A	1500	1100	\$67,195	
	SSW7000C250T411N2	250A	2000	1500	\$75,235	
	SSW7000C360T411N2	360A	3000	2250	\$77,980	
NEMA 3R						
2300V, 3PH, 60HZ	SSW7000C125T211N3	125A	550	410	\$60,820	E3
	SSW7000C180T211N3	180A	750	560	\$63,725	
	SSW7000C250T211N3	250A	1100	800	\$70,255	
	SSW7000C360T211N3	360A	1600-	1190	\$73,020	
4160V, 3PH, 60HZ	SSW7000C125T411N3	125A	1000	750	\$69,015	
	SSW7000C180T411N3	180A	1500	1100	\$72,250	
	SSW7000C250T411N3	250A	2000	1500	\$80,295	
	SSW7000C360T411N3	360A	3000	2250	\$83,550	

Note: (*) The motor power ratings given above are based on WEG 4-pole motors, 4.16kV, 60-Hz, PF=0.87, Eff=0.97, SF=1.
 For applications with high overloads or special starting conditions, contact WEG's sales force.
 Current Rating of SSW7000C must be calculated based on the information on load type, load speed/torque curve and required number of starts per hour.
 All models are available in 220V, 1Ph control voltage.

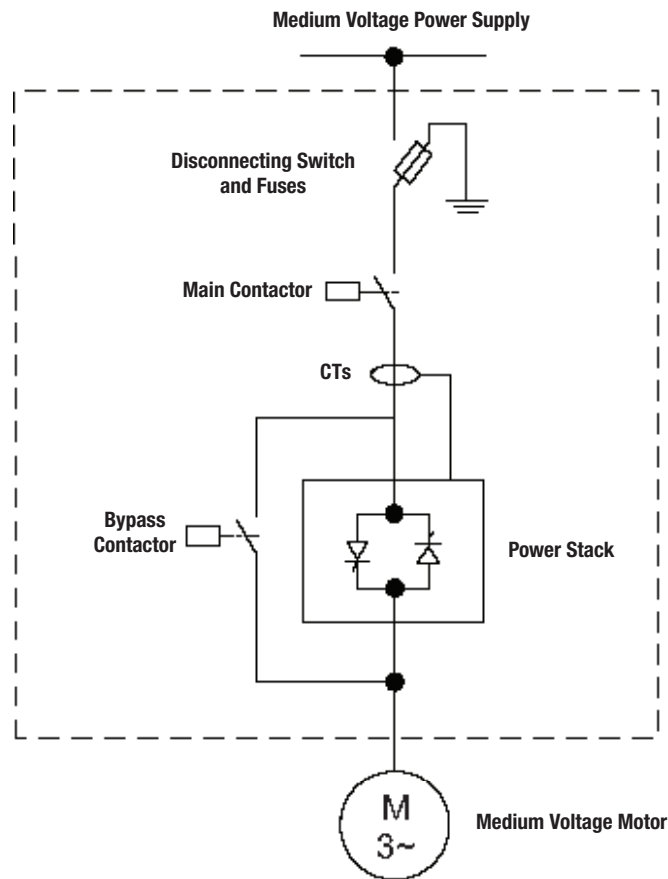
Options

Reference	Description	Slot	List Price	Multiplier
Control accessories to install in Slots 1, 2 and 3				
IOE-04	Module for 8 temperature sensors PT100	1 and 2	\$2795	E3
RS485-01	RS-485 serial communication module (Modbus)	3	\$240	
RS232-01	RS-232C serial communication module (Modbus)		\$180	
RS232-02	RS-232C serial communication module with switch to program the microcontroller FLASH memory		\$180	
Anybus-CA Accessories to install in Slots 4				
PROFDP-05	ProfibusDP interface module	4	\$1100	E3
DEVICENET-05	Devicenet interface module			
ETHERNET/IP-05	EtherNet/IP interface module			
RS232-05	RS-232 interface module (passive) (Modbus)		\$290	
RS485-05	RS485 interface module (passive) (Modbus)		\$360	
Flash Memory Module to install in Slot 5 - Included in Standard Models				
MMF-01	FLASH memory module	5	\$71	V1
Other Accessories				
HMI-01	Man Machine Interface – MMI (sold separately) ⁽¹⁾	-	\$320	V1
RHMIF-01	Frame kit for MMI (protection rate IP56)		\$69	

Dimensions

same for NEMA 12 & NEMA 3R





Protections

ANSI/IEEE C37.2	Function/Protection Feature	Standard	Option
		<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	Reduced Voltage Starting and Bypass	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27	Undervoltage protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
37	Undercurrent protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
46	Phase-Balance Current protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
47	Phase Sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
48	Incomplete Sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
50	Instantaneous Overcurrent trip	<input checked="" type="checkbox"/>	<input type="checkbox"/>
51	Overcurrent trip	<input checked="" type="checkbox"/>	<input type="checkbox"/>
55	Power Factor check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
59	Overvoltage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
81	Frequency check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
86	Lockout Relay - electronic	<input checked="" type="checkbox"/>	<input type="checkbox"/>
50N/51G	Ground fault detection instantaneous and fault-current	<input checked="" type="checkbox"/>	<input type="checkbox"/>
49 & 38	Winding Temperature and Bearing Temperature	<input type="checkbox"/>	<input type="checkbox"/>

Standard Features:

- Motor voltage: 2.3kV, 4.16kV
- Power: up to 3000HP
- Protection Degree : NEMA 12, NEMA 3R
- Operating interface (HMI) with graphic LCD
- Real time clock
- Main and bypass vacuum contactors
- Emergency DOL start capability (ATL bypass)
- Medium voltage fuses
- Power and control insulated by fiber optics
- Soft PLC Function
- License Free programming software SuperDrive and WLP
- Motor thermal protection - PT100 (accessory), 8 Channels
- Ground Fault Protection - standard
- 5 start modes
- Network communication boards (accessories): DeviceNet, Profibus-DP, Ethernet and Modbus, RS-232 or RS-485

Advantages:

- Flexible Torque control
- Overload capacity of 400% for 20 s. (2x / hour duty cycle)
- Management of Demand restrictions by the electric company
- Bumpless starting
- Motor protection
- Mechanical wear reduction
- Handles lower inrush current limitations of power supply

Special Features:

- Clean Assembly with easy accessibility to all components
- Flexible Torque Control (FTC), by employing torque estimation using vector control principle and measurement of input voltage, output voltage and output current. This provides more accurate torque set-points, compared to estimating torque values only via current measurement.
- Active Protection offers complete motor protection in DOL START and RUN mode. This eliminates need for any expensive motor protection relays for backup protection.
- Ground Fault protection is standard
- Flexible Thermal Class Curve setup & selection that eliminates need for third party expensive protection relays
- Soft PLC function with license-free software
- Nickel plated bus bars and bus-stub connections provide corrosion resistance and ensure proper electrical connection
- Power connection terminals for TOP or BOTTOM motor connection (bottom only for NEMA 3R)
- Operator Interface (keypad, parameter setup) is identical to that of WEG's low voltage starter products
- Successfully tested per International Building Code 2018 (IBC 2018) & California Building Code 2019 (CBC 2019)



SSW7000

Technical specifications

Power Supply	Power Voltage (R/1 L1, S/3L2, T/5L3)	Low voltage test: 500Vac: (-60% to +10%) or (200 to 550Vca) Models: 2300Vac: (-60% to +10%) or (920 to 2530Vca) 4160Vac: (-60% to +10%) or (2760 to 4576Vca)
	Frequency	(50 to 60Hz): (±10%) or (45 to 66Hz)
Capacity	Maximum number of starts	5 starts in 2 hours (One start every 30 minutes)
	Start cycle	AC-53a; 4.5-30:50-2
Thyristors	Medium voltage SCR per power arm	2300Vac: 2 thyristors per per power stack 4160Vac: 2 coupled pairs of thyristors
	Reverse voltage peak on the arm	2300Vac: 6.5kV 4160Vac: 13kV
Protections	Protection by Hardware	dv/dt filter Active overvoltage protection on the thyristors
Control Supply	Control voltage	As per code of the SSW7000: 110Vac: (-15% to 10%) or (93.5 to 121Vac) 230Vac: (-15% to 10%) or (195.6 to 253Vac)
	Frequency	(50 to 60Hz): (±10%) or (45 to 66Hz)
	Consumption	Continuous: 900 mA Peak: 9.5 A (during the closing of the vacuum contactors)
Control	Method	Voltage ramp. Current limitation. Pump control. Torque control. Current ramp.
Inputs	Digital	6 insulated digital inputs, 24 Vdc, programmable functions
	Analog	2 differential inputs insulated by differential amplifier; AI1 resolution: 12 bits, AI2 resolution: 11 bits + signal, (0 to 10) V, (0 to 20) mA or (4 to 20) mA, Impedance: 400kΩ for (0 to 10V), 500Ω for (0 to 20mA) or (4 to 20mA), programmable functions
Outputs	Digital	3 NO/NC contact relays, 240 Vac, 1A, programmable functions.
	Analog	2 insulated outputs, (0 to 10V) RL ± 10kΩ (maximum load), 0 to 20mA or 4 to 20mA RL<500Q, 11-bit resolution, programmable functions
Man Machine Interface	Standard	9 keys: Turn/Stop, Increase, Decrease, Rotation Direction, Jog, Local/Remote, right Soft key and left Soft key. Graphic LCD. It enables access to/change of all parameters.
Safety	Main protections	Under and Overcurrent and current unbalance. Under and Overvoltage and voltage unbalance. Under and Overtorque and Active overpower Phase loss. Reverse phase sequence Overtemperature in the power racks. Motor overload. Motor overtemperature (optional). External defect. Ground fault by voltage or current. Fault in the power racks. Fault in the power contactors. Faults in the control boards. Communication faults of MMI and between controls. Faults in the communication networks. Programming errors. For further details and more protections implemented, refer to the programming manual.
Enclosures	Protection Degree	NEMA 12, NEMA 3R
PC connection for programming	USB Connector	USB standard Rev. 2.0 (basic speed). USB plug type B "device". Interconnecting Cable: standard host/device shielded USB cable
Environmental Conditions	Temperature	-10° a 40°C
	Altitude	Up to 1000 m above sea level. For higher altitudes, contact our sales force.
	Humidity	Air relative humidity of 5 % to 90 % non-condensing.
Standards	NBR IEC 62271-200	High voltage controlgear and switchgear - part 200: High voltage controlgear and switchgear in metal enclosure for voltages over 1 kV up to and including 52 kV
	IEC 62271-1	High-voltage switchgear and controlgear - Part 1: Common specifications
	IEC 60060-1	High-voltage test techniques. Part 1: General definitions and test requirements
	CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment - electromagnetic disturbance characteristics - limits and methods of measurement
	IEC 61000-4-4	Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - section 4: electrical fast transient/burst immunity test. Basic EMB publication
	IEC 61000-4-18	Electromagnetic compatibility (EMC) - Part 4-18: testing and measurement techniques - damped oscillatory wave immunity test
	NBR IEC 60529	Protection rates for electric equipment enclosures (ip code)
	UL 347	Medium Voltage AC Contactors, Controllers and Control Centers
	UL 347B	Medium Voltage Motor Controllers

EDP11

The Engineered Drive Panel is an industrial general purpose AC motor control and protection package. It is designed for simple and quick installation and start-up, requiring only input power and output motor connections. There are two enclosure variants available such as NEMA 12 ventilated and NEMA 3R for Outdoor Installations.

The Engineered Drive Panel is built to complement the ruggedness and reliability of WEG motors, providing a complete, simple, and cost effective AC motor control, monitor and protection solution.



NEMA 12 Features

- CFW11 Drive
- Indoor Rated
- ED1-ED4: non-ventilated and wall mounted
- ED5: non-ventilated and floor mounted
- ED6-ED10: ventilated and floor mounted
- Circuit Breaker with through door handle
- CFW11 VFD (Dual DC choke built-in)
- Fused 480V/120V CPT
- Internal Fan
- Heat sink through the back
- Motor Terminal Block
- Door mounted keypad
- Start / Stop Pushbuttons
- Run/Fault Pilot Lights
- Keypad cover - same as GPH2
- Drive and controls mounted in NEMA 4 section of panel; heat sink is external and rated NEMA 12

NEMA 3R Features

- NEMA 12 features plus:
- Outdoor Rated
- Weather kit (rain/sun/snow shield)
- Panel space heater + thermostat
- Lightning arrestor
- Service entrance rated

3-Contactor Bypass Option

- NEMA 12 or NEMA 3R version
- AC3 full rated by-pass contactor
- Drive input and output contactors
- Motor overload relay
- E-Stop Mushroom style pushbutton
- Enclosure size to be determined

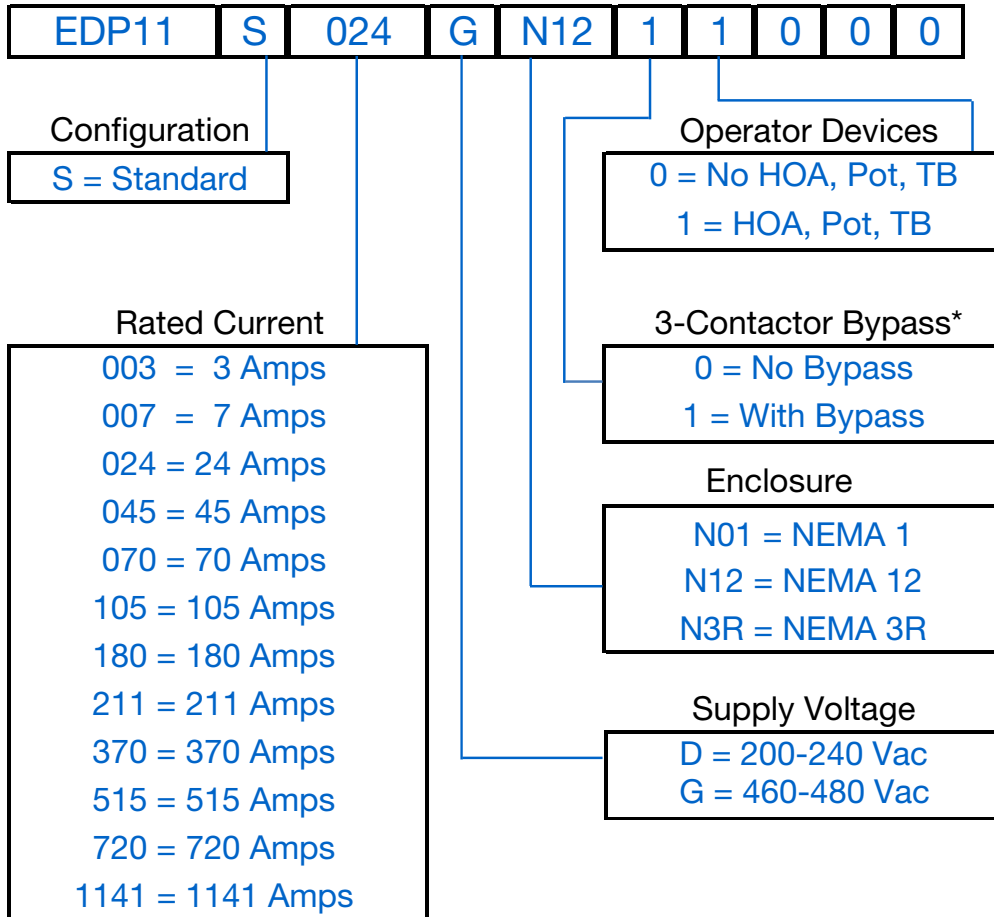
HOA/POT/TB Option

- HOA = Hand-OFF-Auto
- POT = Potentiometer for speed reference
- TB = Auxiliary control terminal block for remote command



EDP11

EDP11 Catalog Number Sequence



** By-pass Contactor and Overload is "Full Rated" and mounted adjacent the VFD Table intended as reference only and not to create part numbers.*

Engineered Drive Panel - NEMA 12 Enclosure (no By-Pass)

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-240 Vac										
	2	7.0	1 1/2	5.5	EDP11S007DN12	Yes	A	ED1	36	\$6,690	V1E (V1)
	3	10	2	8.0	EDP11S010DN12	Yes	A	ED1	36	\$6,756	V1E (V1)
	5	13	3	11	EDP11S013DN12	Yes	A	ED1	41	\$6,855	V1E (V1)
	5	16	5	13	EDP11S016DN12	Yes	A	ED1	42	\$7,123	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN12	Yes	B	ED1	56	\$7,664	V1E (V1)
	10	28	10	24	EDP11S028DN12	Yes	B	ED1	56	\$8,408	V1E (V1)
	10	33.5	10	28	EDP11S033DN12	Yes	B	ED1	56	\$9,108	V1E (V1)
	15	45	15	36	EDP11S045DN12	Yes	C	ED2	88	\$10,214	V1E (V1)
	20	54	20	45	EDP11S054DN12	Yes	C	ED2	90	\$11,491	V1E (V1)
	25	70	20	56	EDP11S070DN12	Yes	C	ED2	100	\$12,162	V1E (V1)
	30	86	25	70	EDP11S086DN12	Yes	D	ED3	230	\$14,321	V1E (V1)
	40	105	30	86	EDP11S105DN12	Yes	D	ED3	240	\$17,164	V1E (V1)
	50	142	40	115	EDP11S142DN12	No	E ⁵	ED4	300	\$19,793	V1E (V1)
	60	180	50	142	EDP11S180DN12	No	E ⁵	ED4	300	\$25,116	V1E (V1)
75	211	60	180	EDP11S211DN12	No	E ⁵	ED4	300	\$28,326	V1E (V1)	
460 Vac	Input Power Supply: Three-Phase 460-480 Vac										
	2	3.6	2	3.6	EDP11S003GN12	Yes	A	ED1	36	\$6,510	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN12	Yes	A	ED1	36	\$6,626	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN12	Yes	A	ED1	41	\$6,690	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN12	Yes	A	ED1	42	\$6,756	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN12	Yes	A	ED1	42	\$6,855	V1E (V1)
	10	17	10	13.5	EDP11S017GN12	Yes	B	ED1	56	\$7,269	V1E (V1)
	15	24	10	19	EDP11S024GN12	Yes	B	ED1	56	\$7,821	V1E (V1)
	20	31	15	25	EDP11S031GN12	Yes	B	ED1	56	\$8,580	V1E (V1)
	25	38	20	33	EDP11S038GN12	Yes	C	ED2	90	\$9,293	V1E (V1)
	30	45	25	38	EDP11S045GN12	Yes	C	ED2	104	\$10,422	V1E (V1)
	40	58.5	30	47	EDP11S058GN12	Yes	C	ED2	110	\$12,026	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN12	Yes	D	ED3	240	\$12,729	V1E (V1)
	75	88	50	73	EDP11S088GN12	Yes	D	ED3	245	\$14,988	V1E (V1)
	75	105	75	88	EDP11S105GN12	No	E ⁵	ED4	300	\$17,964	V1E (V1)
	100/125	142	75	115	EDP11S142GN12	No	E ⁵	ED4	300	\$20,715	V1E (V1)
	150	180	100	142	EDP11S180GN12	No	E ⁵	ED4	300	\$26,286	V1E (V1)
	175	211	125	180	EDP11S211GN12	No	E ⁵	ED4	300	\$29,645	V1E (V1)
	200	242	150	211	EDP11S242GN12	No	F ⁵	ED6	700	\$40,755	V1E (V1)
	250	312	200	242	EDP11S312GN12	No	F ⁵	ED6	720	\$45,114	V1E (V1)
	300	370	250	312	EDP11S370GN12	No	F ⁵	ED6	750	\$47,743	V1E (V1)
	400	477	300	370	EDP11S477GN12	No	F ⁵	ED6	775	\$54,585	V1E (V1)
	450	515	400	477	EDP11S515GN12	No	G ⁵	ED8	1100	\$66,023	V1E (V1)
500	601	450	515	EDP11S601GN12	No	G ⁵	ED8	1120	\$71,875	V1E (V1)	
600	720	500	560	EDP11S720GN12	No	G ⁵	ED8	1150	\$88,556	V1E (V1)	
700	795	550	637	EDP11S795GN12	No	H ⁶	ED10	1700	\$109,150	V1E (V1)	
750	877	600	715	EDP11S877GN12	No	H ⁶	ED10	1700	\$116,300	V1E (V1)	
950	1062	750	855	EDP11S1062GN12	No	H ⁶	ED10	1850	\$136,120	V1E (V1)	
1000	1041	800	943	EDP11S1141GN12	No	H ⁶	ED10	1850	\$147,575	V1E (V1)	

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
- 5) Maximum 40°C ambient temperature without derating
- 6) Maximum 35°C ambient temperature without derating
- 7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

EDP11

Engineered Drive Panel - NEMA 12 Enclosure with By-Pass

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac											
	2	7.0	1 1/2	5.5	EDP11S007DN1210000	Yes	A	ED2	36	\$8,200	V1E (V1)	
	3	10	2	8.0	EDP11S010DN1210000	Yes	A	ED2	36	\$8,276	V1E (V1)	
	5	13	3	11	EDP11S013DN1210000	Yes	A	ED2	41	\$8,375	V1E (V1)	
	5	16	5	13	EDP11S016DN1210000	Yes	A	ED2	42	\$8,643	V1E (V1)	
	7 1/2	24	7 1/2	20	EDP11S024DN1210000	Yes	B	ED2	56	\$9,262	V1E (V1)	
	10	28	10	24	EDP11S028DN1210000	Yes	B	ED2	56	\$10,200	V1E (V1)	
	10	33.5	10	28	EDP11S033DN1210000	Yes	B	ED2	56	\$11,011	V1E (V1)	
	15	45	15	36	EDP11S045DN1210000	Yes	C	ED3	88	\$12,316	V1E (V1)	
	20	54	20	45	EDP11S054DN1210000	Yes	C	ED3	90	\$13,738	V1E (V1)	
	25	70	20	56	EDP11S070DN1210000	Yes	C	ED3	100	\$14,857	V1E (V1)	
	30	86	25	70	EDP11S086DN1210000	Yes	D	ED4	230	\$17,016	V1E (V1)	
	40	105	30	86	EDP11S105DN1210000	Yes	D	ED4	240	\$20,052	V1E (V1)	
	50	142	40	115	EDP11S142DN1210000	No	E ⁵	ED5	300	\$24,778	V1E (V1)	
	60	180	50	142	EDP11S180DN1210000	No	E ⁵	ED5	300	\$31,111	V1E (V1)	
75	211	60	180	EDP11S211DN1210000	No	E ⁵	ED5	300	\$35,651	V1E (V1)		
460 Vac	Input Power Supply: Three-Phase 460-480 Vac											
	2	3.6	2	3.6	EDP11S003GN1210000	Yes	A	ED2	36	\$8,020	V1E (V1)	
	3	5.0	3	5.0	EDP11S005GN1210000	Yes	A	ED2	36	\$8,136	V1E (V1)	
	5	7.0	3	5.5	EDP11S007GN1210000	Yes	A	ED2	41	\$8,200	V1E (V1)	
	7 1/2	10	5	10	EDP11S010GN1210000	Yes	A	ED2	42	\$8,276	V1E (V1)	
	10	13.5	7 1/2	11	EDP11S013GN1210000	Yes	A	ED2	42	\$8,375	V1E (V1)	
	10	17	10	13.5	EDP11S017GN1210000	Yes	B	ED2	56	\$8,867	V1E (V1)	
	15	24	10	19	EDP11S024GN1210000	Yes	B	ED2	56	\$9,613	V1E (V1)	
	20	31	15	25	EDP11S031GN1210000	Yes	B	ED2	56	\$10,483	V1E (V1)	
	25	38	20	33	EDP11S038GN1210000	Yes	C	ED3	90	\$11,395	V1E (V1)	
	30	45	25	38	EDP11S045GN1210000	Yes	C	ED3	104	\$12,669	V1E (V1)	
	40	58.5	30	47	EDP11S058GN1210000	Yes	C	ED3	110	\$14,721	V1E (V1)	
	50/60	70.5	40	61	EDP11S070GN1210000	Yes	D	ED4	240	\$15,424	V1E (V1)	
	75	88	50	73	EDP11S088GN1210000	Yes	D	ED4	245	\$17,876	V1E (V1)	
	75	105	75	88	EDP11S105GN1210000	No	E ⁵	ED5	300	\$21,308	V1E (V1)	
	100/125	142	75	115	EDP11S142GN1210000	No	E ⁵	ED5	300	\$25,700	V1E (V1)	
	150	180	100	142	EDP11S180GN1210000	No	E ⁵	ED5	300	\$32,281	V1E (V1)	
	175	211	125	180	EDP11S211GN1210000	No	E ⁵	ED5	300	\$36,970	V1E (V1)	
	200	242	150	211	EDP11S242GN1210000	No	F ⁵	ED7	700	\$53,334	V1E (V1)	
	250	312	200	242	EDP11S312GN1210000	No	F ⁵	ED7	720	\$59,257	V1E (V1)	
300	370	250	312	EDP11S370GN1210000	No	F ⁵	ED7	750	\$62,146	V1E (V1)		
400	477	300	370	EDP11S477GN1210000	No	F ⁵	ED7	775	\$76,618	V1E (V1)		
450	515	400	477	EDP11S515GN1210000	No	G ⁵	ED9	1100	\$88,056	V1E (V1)		
500	601	450	515	EDP11S601GN1210000	No	G ⁵	ED9	1120	\$99,447	V1E (V1)		
600	720	500	560	EDP11S720GN1210000	No	G ⁶	ED9	1150	\$119,944	V1E (V1)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
- 5) Maximum 40°C ambient temperature without derating
- 6) Maximum 35°C ambient temperature without derating
- 7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

Engineered Drive Panel - NEMA 12 Enclosure (no By-Pass) with HOA / Pot / TB

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac											
	2	7.0	1 1/2	5.5	EDP11S007DN1201000	Yes	A	ED1	36	\$7,453	V1E (V1)	
	3	10	2	8.0	EDP11S010DN1201000	Yes	A	ED1	36	\$7,519	V1E (V1)	
	5	13	3	11	EDP11S013DN1201000	Yes	A	ED1	41	\$7,618	V1E (V1)	
	5	16	5	13	EDP11S016DN1201000	Yes	A	ED1	42	\$7,886	V1E (V1)	
	7 1/2	24	7 1/2	20	EDP11S024DN1201000	Yes	B	ED1	56	\$8,427	V1E (V1)	
	10	28	10	24	EDP11S028DN1201000	Yes	B	ED1	56	\$9,171	V1E (V1)	
	10	33.5	10	28	EDP11S033DN1201000	Yes	B	ED1	56	\$9,871	V1E (V1)	
	15	45	15	36	EDP11S045DN1201000	Yes	C	ED2	88	\$10,977	V1E (V1)	
	20	54	20	45	EDP11S054DN1201000	Yes	C	ED2	90	\$12,254	V1E (V1)	
	25	70	20	56	EDP11S070DN1201000	Yes	C	ED2	100	\$12,925	V1E (V1)	
	30	86	25	70	EDP11S086DN1201000	Yes	D	ED3	230	\$15,084	V1E (V1)	
	40	105	30	86	EDP11S105DN1201000	Yes	D	ED3	240	\$17,927	V1E (V1)	
	50	142	40	115	EDP11S142DN1201000	No	E ⁵	ED4	300	\$20,556	V1E (V1)	
	60	180	50	142	EDP11S180DN1201000	No	E ⁵	ED4	300	\$25,879	V1E (V1)	
75	211	60	180	EDP11S211DN1201000	No	E ⁵	ED4	300	\$29,089	V1E (V1)		
460 Vac	Input Power Supply: Three-Phase 460-480 Vac											
	2	3.6	2	3.6	EDP11S003GN1201000	Yes	A	ED1	36	\$7,273	V1E (V1)	
	3	5.0	3	5.0	EDP11S005GN1201000	Yes	A	ED1	36	\$7,389	V1E (V1)	
	5	7.0	3	5.5	EDP11S007GN1201000	Yes	A	ED1	41	\$7,453	V1E (V1)	
	7 1/2	10	5	10	EDP11S010GN1201000	Yes	A	ED1	42	\$7,519	V1E (V1)	
	10	13.5	7 1/2	11	EDP11S013GN1201000	Yes	A	ED1	42	\$7,618	V1E (V1)	
	10	17	10	13.5	EDP11S017GN1201000	Yes	B	ED1	56	\$8,032	V1E (V1)	
	15	24	10	19	EDP11S024GN1201000	Yes	B	ED1	56	\$8,584	V1E (V1)	
	20	31	15	25	EDP11S031GN1201000	Yes	B	ED1	56	\$9,343	V1E (V1)	
	25	38	20	33	EDP11S038GN1201000	Yes	C	ED2	90	\$10,056	V1E (V1)	
	30	45	25	38	EDP11S045GN1201000	Yes	C	ED2	104	\$11,185	V1E (V1)	
	40	58.5	30	47	EDP11S058GN1201000	Yes	C	ED2	110	\$12,789	V1E (V1)	
	50/60	70.5	40	61	EDP11S070GN1201000	Yes	D	ED3	240	\$13,492	V1E (V1)	
	75	88	50	73	EDP11S088GN1201000	Yes	D	ED3	245	\$15,751	V1E (V1)	
	75	105	75	88	EDP11S105GN1201000	No	E ⁵	ED4	300	\$18,727	V1E (V1)	
	100/125	142	75	115	EDP11S142GN1201000	No	E ⁵	ED4	300	\$21,478	V1E (V1)	
	150	180	100	142	EDP11S180GN1201000	No	E ⁵	ED4	300	\$27,049	V1E (V1)	
	175	211	125	180	EDP11S211GN1201000	No	E ⁵	ED4	300	\$30,408	V1E (V1)	
	200	242	150	211	EDP11S242GN1201000	No	F ⁵	ED6	700	\$41,613	V1E (V1)	
	250	312	200	242	EDP11S312GN1201000	No	F ⁵	ED6	720	\$45,972	V1E (V1)	
	300	370	250	312	EDP11S370GN1201000	No	F ⁵	ED6	750	\$48,601	V1E (V1)	
400	477	300	370	EDP11S477GN1201000	No	F ⁵	ED6	775	\$55,443	V1E (V1)		
450	515	400	477	EDP11S515GN1201000	No	G ⁵	ED8	1100	\$66,881	V1E (V1)		
500	601	450	515	EDP11S601GN1201000	No	G ⁵	ED8	1120	\$72,733	V1E (V1)		
600	720	500	560	EDP11S720GN1201000	No	G ⁶	ED8	1150	\$89,414	V1E (V1)		
700	795	550	637	EDP11S795GN1201000	No	H ⁶	ED10	1700	\$110,008	V1E (V1)		
750	877	600	715	EDP11S877GN1201000	No	H ⁶	ED10	1700	\$117,158	V1E (V1)		
950	1062	750	855	EDP11S1062GN1201000	No	H ⁶	ED10	1850	\$136,978	V1E (V1)		
1000	1041	800	943	EDP11S1141GN1201000	No	H ⁶	ED10	1850	\$148,433	V1E (V1)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
- 5) Maximum 40°C ambient temperature without derating
- 6) Maximum 35°C ambient temperature without derating
- 7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

EDP11

Engineered Drive Panel - NEMA 12 Enclosure with By-Pass and HOA / Pot / TB

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac											
	2	7.0	1 1/2	5.5	EDP11S007DN1211000	Yes	A	ED2	36	\$8,963	V1E (V1)	
	3	10	2	8.0	EDP11S010DN1211000	Yes	A	ED2	36	\$9,039	V1E (V1)	
	5	13	3	11	EDP11S013DN1211000	Yes	A	ED2	41	\$9,138	V1E (V1)	
	5	16	5	13	EDP11S016DN1211000	Yes	A	ED2	42	\$9,406	V1E (V1)	
	7 1/2	24	7 1/2	20	EDP11S024DN1211000	Yes	B	ED2	56	\$10,025	V1E (V1)	
	10	28	10	24	EDP11S028DN1211000	Yes	B	ED2	56	\$10,963	V1E (V1)	
	10	33.5	10	28	EDP11S033DN1211000	Yes	B	ED2	56	\$11,774	V1E (V1)	
	15	45	15	36	EDP11S045DN1211000	Yes	C	ED3	88	\$13,079	V1E (V1)	
	20	54	20	45	EDP11S054DN1211000	Yes	C	ED3	90	\$14,501	V1E (V1)	
	25	70	20	56	EDP11S070DN1211000	Yes	C	ED3	100	\$15,620	V1E (V1)	
	30	86	25	70	EDP11S086DN1211000	Yes	D	ED4	230	\$17,779	V1E (V1)	
	40	105	30	86	EDP11S105DN1211000	Yes	D	ED4	240	\$20,815	V1E (V1)	
	50	142	40	115	EDP11S142DN1211000	No	E ⁵	ED5	300	\$25,541	V1E (V1)	
	60	180	50	142	EDP11S180DN1211000	No	E ⁵	ED5	300	\$31,874	V1E (V1)	
75	211	60	180	EDP11S211DN1211000	No	E ⁵	ED5	300	\$36,414	V1E (V1)		
460 Vac	Input Power Supply: Three-Phase 460-480 Vac											
	2	3.6	2	3.6	EDP11S003GN1211000	Yes	A	ED2	36	\$8,783	V1E (V1)	
	3	5.0	3	5.0	EDP11S005GN1211000	Yes	A	ED2	36	\$8,899	V1E (V1)	
	5	7.0	3	5.5	EDP11S007GN1211000	Yes	A	ED2	41	\$8,963	V1E (V1)	
	7 1/2	10	5	10	EDP11S010GN1211000	Yes	A	ED2	42	\$9,039	V1E (V1)	
	10	13.5	7 1/2	11	EDP11S013GN1211000	Yes	A	ED2	42	\$9,138	V1E (V1)	
	10	17	10	13.5	EDP11S017GN1211000	Yes	B	ED2	56	\$9,630	V1E (V1)	
	15	24	10	19	EDP11S024GN1211000	Yes	B	ED2	56	\$10,376	V1E (V1)	
	20	31	15	25	EDP11S031GN1211000	Yes	B	ED2	56	\$11,246	V1E (V1)	
	25	38	20	33	EDP11S038GN1211000	Yes	C	ED3	90	\$12,158	V1E (V1)	
	30	45	25	38	EDP11S045GN1211000	Yes	C	ED3	104	\$13,432	V1E (V1)	
	40	58.5	30	47	EDP11S058GN1211000	Yes	C	ED3	110	\$15,484	V1E (V1)	
	50/60	70.5	40	61	EDP11S070GN1211000	Yes	D	ED4	240	\$16,187	V1E (V1)	
	75	88	50	73	EDP11S088GN1211000	Yes	D	ED4	245	\$18,639	V1E (V1)	
	75	105	75	88	EDP11S105GN1211000	No	E ⁵	ED5	300	\$22,071	V1E (V1)	
	100/125	142	75	115	EDP11S142GN1211000	No	E ⁵	ED5	300	\$26,463	V1E (V1)	
	150	180	100	142	EDP11S180GN1211000	No	E ⁵	ED5	300	\$33,044	V1E (V1)	
	175	211	125	180	EDP11S211GN1211000	No	E ⁵	ED5	300	\$37,733	V1E (V1)	
	200	242	150	211	EDP11S242GN1211000	No	F ⁵	ED7	700	\$54,097	V1E (V1)	
	250	312	200	242	EDP11S312GN1211000	No	F ⁵	ED7	720	\$60,115	V1E (V1)	
300	370	250	312	EDP11S370GN1211000	No	F ⁵	ED7	750	\$63,004	V1E (V1)		
400	477	300	370	EDP11S477GN1211000	No	F ⁵	ED7	775	\$77,476	V1E (V1)		
450	515	400	477	EDP11S515GN1211000	No	G ⁵	ED9	1100	\$88,914	V1E (V1)		
500	601	450	515	EDP11S601GN1211000	No	G ⁵	ED9	1120	\$100,305	V1E (V1)		
600	720	500	560	EDP11S720GN1211000	No	G ⁶	ED9	1150	\$120,802	V1E (V1)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Maximum 40°C ambient temperature without derating
 - 7) Maximum 35°C ambient temperature without derating
- For other technical data please refer to WEG product manual.

Engineered Drive Panel - NEMA 3R Enclosure (no By-Pass)

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP 2	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac											
	2	7.0	1 1/2	5.5	EDP11S007DN3R	Yes	A ⁵	ED1	36	\$8,521	V1E (V1)	
	3	10	2	8.0	EDP11S010DN3R	Yes	A ⁵	ED1	36	\$8,587	V1E (V1)	
	5	13	3	11	EDP11S013DN3R	Yes	A ⁵	ED1	41	\$8,686	V1E (V1)	
	5	16	5	13	EDP11S016DN3R	Yes	A ⁵	ED1	42	\$8,918	V1E (V1)	
	7 1/2	24	7 1/2	20	EDP11S024DN3R	Yes	B ⁵	ED1	56	\$9,459	V1E (V1)	
	10	28	10	24	EDP11S028DN3R	Yes	B ⁵	ED1	56	\$10,202	V1E (V1)	
	10	33.5	10	28	EDP11S033DN3R	Yes	B ⁵	ED1	56	\$10,902	V1E (V1)	
	15	45	15	36	EDP11S045DN3R	Yes	C ⁵	ED2	88	\$12,122	V1E (V1)	
	20	54	20	45	EDP11S054DN3R	Yes	C ⁵	ED2	90	\$13,400	V1E (V1)	
	25	70	20	56	EDP11S070DN3R	Yes	C ⁵	ED2	100	\$14,162	V1E (V1)	
	30	86	25	70	EDP11S086DN3R	Yes	D ⁵	ED3	230	\$16,320	V1E (V1)	
	40	105	30	86	EDP11S105DN3R	Yes	D ⁵	ED3	240	\$19,338	V1E (V1)	
	50	142	40	115	EDP11S142DN3R	No	E ⁶	ED4	300	\$21,967	V1E (V1)	
	60	180	50	142	EDP11S180DN3R	No	E ⁶	ED4	300	\$27,290	V1E (V1)	
75	211	60	180	EDP11S211DN3R	No	E ⁶	ED4	300	\$30,499	V1E (V1)		
460 Vac	Input Power Supply: Three-Phase 460-480 Vac											
	2	3.6	2	3.6	EDP11S003GN3R	Yes	A ⁵	ED1	36	\$8,341	V1E (V1)	
	3	5.0	3	5.0	EDP11S005GN3R	Yes	A ⁵	ED1	36	\$8,457	V1E (V1)	
	5	7.0	3	5.5	EDP11S007GN3R	Yes	A ⁵	ED1	41	\$8,521	V1E (V1)	
	7 1/2	10	5	10	EDP11S010GN3R	Yes	A ⁵	ED1	42	\$8,587	V1E (V1)	
	10	13.5	7 1/2	11	EDP11S013GN3R	Yes	A ⁵	ED1	42	\$8,686	V1E (V1)	
	10	17	10	13.5	EDP11S017GN3R	Yes	B ⁵	ED1	56	\$9,100	V1E (V1)	
	15	24	10	19	EDP11S024GN3R	Yes	B ⁵	ED1	56	\$9,652	V1E (V1)	
	20	31	15	25	EDP11S031GN3R	Yes	B ⁵	ED1	56	\$10,411	V1E (V1)	
	25	38	20	33	EDP11S038GN3R	Yes	C ⁵	ED2	90	\$11,125	V1E (V1)	
	30	45	25	38	EDP11S045GN3R	Yes	C ⁵	ED2	104	\$12,369	V1E (V1)	
	40	58.5	30	47	EDP11S058GN3R	Yes	C ⁵	ED2	110	\$13,673	V1E (V1)	
	50/60	70.5	40	61	EDP11S070GN3R	Yes	D ⁵	ED3	240	\$14,451	V1E (V1)	
	75	88	50	73	EDP11S088GN3R	Yes	D ⁵	ED3	245	\$16,653	V1E (V1)	
	75	105	75	88	EDP11S105GN3R	No	E ⁶	ED4	300	\$19,733	V1E (V1)	
	100/125	142	75	115	EDP11S142GN3R	No	E ⁶	ED4	300	\$22,415	V1E (V1)	
	150	180	100	142	EDP11S180GN3R	No	E ⁶	ED4	300	\$27,847	V1E (V1)	
	175	211	125	180	EDP11S211GN3R	No	E ⁶	ED4	300	\$31,122	V1E (V1)	
	200	242	150	211	EDP11S242GN3R	No	F ⁶	ED6	700	\$45,693	V1E (V1)	
	250	312	200	242	EDP11S312GN3R	No	F ⁶	ED6	720	\$50,053	V1E (V1)	
	300	370	250	312	EDP11S370GN3R	No	F ⁶	ED6	750	\$52,682	V1E (V1)	
	400	477	300	370	EDP11S477GN3R	No	F ⁶	ED6	775	\$59,523	V1E (V1)	
	450	515	400	477	EDP11S515GN3R	No	G ⁶	ED8	1100	\$71,976	V1E (V1)	
	500	601	450	515	EDP11S601GN3R	No	G ⁶	ED8	1120	\$77,828	V1E (V1)	
	600	720	500	560	EDP11S720GN3R	No	G ⁷	ED8	1150	\$94,509	V1E (V1)	
700	795	550	637	EDP11S795GN3R	No	H ⁷	ED10	1700	\$116,480	V1E (V1)		
750	877	600	715	EDP11S877GN3R	No	H ⁷	ED10	1700	\$123,630	V1E (V1)		
950	1062	750	855	EDP11S1062GN3R	No	H ⁷	ED10	1850	\$142,890	V1E (V1)		
1000	1041	800	943	EDP11S1141GN3R	No	H ⁷	ED10	1850	\$154,345	V1E (V1)		

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Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) Maximum 35°C ambient temperature without derating
- 8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

Engineered Drive Panel - NEMA 3R Enclosure with By-Pass

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac											
	2	7.0	1 1/2	5.5	EDP11S007DN3R10000	Yes	A ⁵	ED2	36	\$10,031	V1E (V1)	
	3	10	2	8.0	EDP11S010DN3R10000	Yes	A ⁵	ED2	36	\$10,107	V1E (V1)	
	5	13	3	11	EDP11S013DN3R10000	Yes	A ⁵	ED2	41	\$10,206	V1E (V1)	
	5	16	5	13	EDP11S016DN3R10000	Yes	A ⁵	ED2	42	\$10,438	V1E (V1)	
	7 1/2	24	7 1/2	20	EDP11S024DN3R10000	Yes	B ⁵	ED2	56	\$11,057	V1E (V1)	
	10	28	10	24	EDP11S028DN3R10000	Yes	B ⁵	ED2	56	\$11,994	V1E (V1)	
	10	33.5	10	28	EDP11S033DN3R10000	Yes	B ⁵	ED2	56	\$12,805	V1E (V1)	
	15	45	15	36	EDP11S045DN3R10000	Yes	C ⁵	ED3	88	\$14,224	V1E (V1)	
	20	54	20	45	EDP11S054DN3R10000	Yes	C ⁵	ED3	90	\$15,647	V1E (V1)	
	25	70	20	56	EDP11S070DN3R10000	Yes	C ⁵	ED3	100	\$16,857	V1E (V1)	
	30	86	25	70	EDP11S086DN3R10000	Yes	D ⁵	ED4	230	\$19,015	V1E (V1)	
	40	105	30	86	EDP11S105DN3R10000	Yes	D ⁵	ED4	240	\$22,226	V1E (V1)	
	50	142	40	115	EDP11S142DN3R10000	No	E ⁶	ED5	300	\$26,952	V1E (V1)	
	60	180	50	142	EDP11S180DN3R10000	No	E ⁶	ED5	300	\$33,285	V1E (V1)	
75	211	60	180	EDP11S211DN3R10000	No	E ⁶	ED5	300	\$37,824	V1E (V1)		
460 Vac	Input Power Supply: Three-Phase 460-480 Vac											
	2	3.6	2	3.6	EDP11S003GN3R10000	Yes	A ⁵	ED2	36	\$9,851	V1E (V1)	
	3	5.0	3	5.0	EDP11S005GN3R10000	Yes	A ⁵	ED2	36	\$9,967	V1E (V1)	
	5	7.0	3	5.5	EDP11S007GN3R10000	Yes	A ⁵	ED2	41	\$10,031	V1E (V1)	
	7 1/2	10	5	10	EDP11S010GN3R10000	Yes	A ⁵	ED2	42	\$10,107	V1E (V1)	
	10	13.5	7 1/2	11	EDP11S013GN3R10000	Yes	A ⁵	ED2	42	\$10,206	V1E (V1)	
	10	17	10	13.5	EDP11S017GN3R10000	Yes	B ⁵	ED2	56	\$10,698	V1E (V1)	
	15	24	10	19	EDP11S024GN3R10000	Yes	B ⁵	ED2	56	\$11,444	V1E (V1)	
	20	31	15	25	EDP11S031GN3R10000	Yes	B ⁵	ED2	56	\$12,314	V1E (V1)	
	25	38	20	33	EDP11S038GN3R10000	Yes	C ⁵	ED3	90	\$13,227	V1E (V1)	
	30	45	25	38	EDP11S045GN3R10000	Yes	C ⁵	ED3	104	\$14,616	V1E (V1)	
	40	58.5	30	47	EDP11S058GN3R10000	Yes	C ⁵	ED3	110	\$16,368	V1E (V1)	
	50/60	70.5	40	61	EDP11S070GN3R10000	Yes	D ⁵	ED4	240	\$17,146	V1E (V1)	
	75	88	50	73	EDP11S088GN3R10000	Yes	D ⁵	ED4	245	\$19,541	V1E (V1)	
	75	105	75	88	EDP11S105GN3R10000	No	E ⁶	ED5	300	\$23,077	V1E (V1)	
	100/125	142	75	115	EDP11S142GN3R10000	No	E ⁶	ED5	300	\$27,400	V1E (V1)	
	150	180	100	142	EDP11S180GN3R10000	No	E ⁶	ED5	300	\$33,842	V1E (V1)	
	175	211	125	180	EDP11S211GN3R10000	No	E ⁶	ED5	300	\$38,447	V1E (V1)	
	200	242	150	211	EDP11S242GN3R10000	No	F ⁶	ED7	700	\$58,272	V1E (V1)	
	250	312	200	242	EDP11S312GN3R10000	No	F ⁶	ED7	720	\$64,196	V1E (V1)	
300	370	250	312	EDP11S370GN3R10000	No	F ⁶	ED7	750	\$67,085	V1E (V1)		
400	477	300	370	EDP11S477GN3R10000	No	F ⁶	ED7	775	\$81,556	V1E (V1)		
450	515	400	477	EDP11S515GN3R10000	No	G ⁶	ED9	1100	\$94,009	V1E (V1)		
500	601	450	515	EDP11S601GN3R10000	No	G ⁶	ED9	1120	\$105,400	V1E (V1)		
600	720	500	560	EDP11S720GN3R10000	No	G ⁷	ED9	1150	\$125,897	V1E (V1)		

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) Maximum 35°C ambient temperature without derating
- 8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

Engineered Drive Panel - NEMA 3R Enclosure (no By-Pass) with HOA / Pot / TB

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-240 Vac										
	2	7.0	1 1/2	5.5	EDP11S007DN3R01000	Yes	A ⁵	ED1	36	\$9,284	V1E (V1)
	3	10	2	8.0	EDP11S010DN3R01000	Yes	A ⁵	ED1	36	\$9,350	V1E (V1)
	5	13	3	11	EDP11S013DN3R01000	Yes	A ⁵	ED1	41	\$9,449	V1E (V1)
	5	16	5	13	EDP11S016DN3R01000	Yes	A ⁵	ED1	42	\$9,681	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN3R01000	Yes	B ⁵	ED1	56	\$10,222	V1E (V1)
	10	28	10	24	EDP11S028DN3R01000	Yes	B ⁵	ED1	56	\$10,965	V1E (V1)
	10	33.5	10	28	EDP11S033DN3R01000	Yes	B ⁵	ED1	56	\$11,665	V1E (V1)
	15	45	15	36	EDP11S045DN3R01000	Yes	C ⁵	ED2	88	\$12,885	V1E (V1)
	20	54	20	45	EDP11S054DN3R01000	Yes	C ⁵	ED2	90	\$14,163	V1E (V1)
	25	70	20	56	EDP11S070DN3R01000	Yes	C ⁵	ED2	100	\$14,925	V1E (V1)
	30	86	25	70	EDP11S086DN3R01000	Yes	D ⁵	ED3	230	\$17,083	V1E (V1)
	40	105	30	86	EDP11S105DN3R01000	Yes	D ⁵	ED3	240	\$20,101	V1E (V1)
	50	142	40	115	EDP11S142DN3R01000	No	E ⁶	ED4	300	\$22,730	V1E (V1)
	60	180	50	142	EDP11S180DN3R01000	No	E ⁶	ED4	300	\$28,053	V1E (V1)
75	211	60	180	EDP11S211DN3R01000	No	E ⁶	ED4	300	\$31,262	V1E (V1)	
460 Vac	Input Power Supply: Three-Phase 460-480 Vac										
	2	3.6	2	3.6	EDP11S003GN3R01000	Yes	A ⁵	ED1	36	\$9,104	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN3R01000	Yes	A ⁵	ED1	36	\$9,220	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN3R01000	Yes	A ⁵	ED1	41	\$9,284	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN3R01000	Yes	A ⁵	ED1	42	\$9,350	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN3R01000	Yes	A ⁵	ED1	42	\$9,449	V1E (V1)
	10	17	10	13.5	EDP11S017GN3R01000	Yes	B ⁵	ED1	56	\$9,863	V1E (V1)
	15	24	10	19	EDP11S024GN3R01000	Yes	B ⁵	ED1	56	\$10,415	V1E (V1)
	20	31	15	25	EDP11S031GN3R01000	Yes	B ⁵	ED1	56	\$11,174	V1E (V1)
	25	38	20	33	EDP11S038GN3R01000	Yes	C ⁵	ED2	90	\$11,888	V1E (V1)
	30	45	25	38	EDP11S045GN3R01000	Yes	C ⁵	ED2	104	\$13,132	V1E (V1)
	40	58.5	30	47	EDP11S058GN3R01000	Yes	C ⁵	ED2	110	\$14,436	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN3R01000	Yes	D ⁵	ED3	240	\$15,214	V1E (V1)
	75	88	50	73	EDP11S088GN3R01000	Yes	D ⁵	ED3	245	\$17,416	V1E (V1)
	75	105	75	88	EDP11S105GN3R01000	No	E ⁶	ED4	300	\$20,496	V1E (V1)
	100/125	142	75	115	EDP11S142GN3R01000	No	E ⁶	ED4	300	\$23,178	V1E (V1)
	150	180	100	142	EDP11S180GN3R01000	No	E ⁶	ED4	300	\$28,610	V1E (V1)
	175	211	125	180	EDP11S211GN3R01000	No	E ⁶	ED4	300	\$31,885	V1E (V1)
	200	242	150	211	EDP11S242GN3R01000	No	F ⁶	ED6	700	\$46,456	V1E (V1)
	250	312	200	242	EDP11S312GN3R01000	No	F ⁶	ED6	720	\$50,911	V1E (V1)
	300	370	250	312	EDP11S370GN3R01000	No	F ⁶	ED6	750	\$53,540	V1E (V1)
	400	477	300	370	EDP11S477GN3R01000	No	F ⁶	ED6	775	\$60,381	V1E (V1)
	450	515	400	477	EDP11S515GN3R01000	No	G ⁶	ED8	1100	\$72,834	V1E (V1)
500	601	450	515	EDP11S601GN3R01000	No	G ⁶	ED8	1120	\$78,686	V1E (V1)	
600	720	500	560	EDP11S720GN3R01000	No	G ⁷	ED8	1150	\$95,367	V1E (V1)	
700	795	550	637	EDP11S795GN3R01000	No	H ⁷	ED10	1700	\$117,338	V1E (V1)	
750	877	600	715	EDP11S877GN3R01000	No	H ⁷	ED10	1700	\$124,488	V1E (V1)	
950	1062	750	855	EDP11S1062GN3R01000	No	H ⁷	ED10	1850	\$143,748	V1E (V1)	
1000	1041	800	943	EDP11S1141GN3R01000	No	H ⁷	ED10	1850	\$155,203	V1E (V1)	

Notes:

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) Maximum 35°C ambient temperature without derating
- 8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

EDP11

Engineered Drive Panel - NEMA 3R Enclosure with By-Pass and HOA / Pot / TB

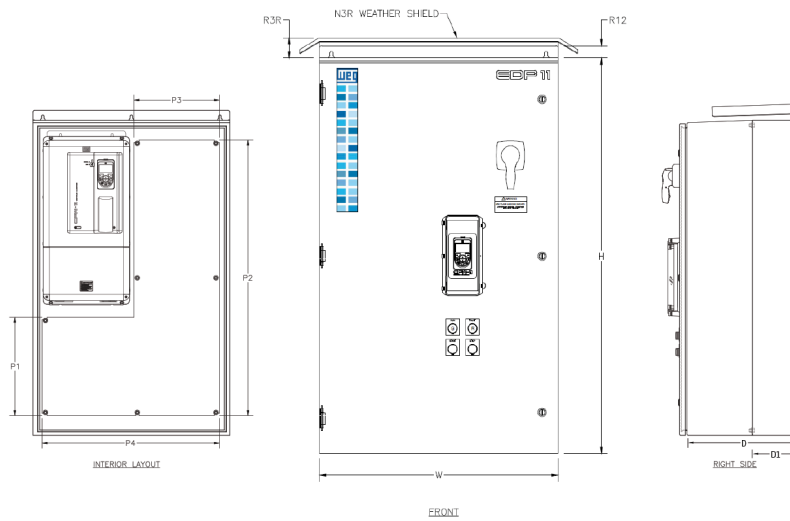
Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-240 Vac										
	2	7.0	1 1/2	5.5	EDP11S007DN3R11000	Yes	A ⁵	ED2	36	\$10,794	V1E (V1)
	3	10	2	8.0	EDP11S010DN3R11000	Yes	A ⁵	ED2	36	\$10,870	V1E (V1)
	5	13	3	11	EDP11S013DN3R11000	Yes	A ⁵	ED2	41	\$10,969	V1E (V1)
	5	16	5	13	EDP11S016DN3R11000	Yes	A ⁵	ED2	42	\$11,201	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN3R11000	Yes	B ⁵	ED2	56	\$11,820	V1E (V1)
	10	28	10	24	EDP11S028DN3R11000	Yes	B ⁵	ED2	56	\$12,757	V1E (V1)
	10	33.5	10	28	EDP11S033DN3R11000	Yes	B ⁵	ED2	56	\$13,568	V1E (V1)
	15	45	15	36	EDP11S045DN3R11000	Yes	C ⁵	ED3	88	\$14,987	V1E (V1)
	20	54	20	45	EDP11S054DN3R11000	Yes	C ⁵	ED3	90	\$16,410	V1E (V1)
	25	70	20	56	EDP11S070DN3R11000	Yes	C ⁵	ED3	100	\$17,620	V1E (V1)
	30	86	25	70	EDP11S086DN3R11000	Yes	D ⁵	ED4	230	\$19,778	V1E (V1)
	40	105	30	86	EDP11S105DN3R11000	Yes	D ⁵	ED4	240	\$22,989	V1E (V1)
	50	142	40	115	EDP11S142DN3R11000	No	E ⁶	ED5	300	\$27,715	V1E (V1)
	60	180	50	142	EDP11S180DN3R11000	No	E ⁶	ED5	300	\$34,048	V1E (V1)
75	211	60	180	EDP11S211DN3R11000	No	E ⁶	ED5	300	\$38,587	V1E (V1)	
460 Vac	Input Power Supply: Three-Phase 460-480 Vac										
	2	3.6	2	3.6	EDP11S003GN3R11000	Yes	A ⁵	ED2	36	\$10,614	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN3R11000	Yes	A ⁵	ED2	36	\$10,730	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN3R11000	Yes	A ⁵	ED2	41	\$10,794	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN3R11000	Yes	A ⁵	ED2	42	\$10,870	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN3R11000	Yes	A ⁵	ED2	42	\$10,969	V1E (V1)
	10	17	10	13.5	EDP11S017GN3R11000	Yes	B ⁵	ED2	56	\$11,461	V1E (V1)
	15	24	10	19	EDP11S024GN3R11000	Yes	B ⁵	ED2	56	\$12,207	V1E (V1)
	20	31	15	25	EDP11S031GN3R11000	Yes	B ⁵	ED2	56	\$13,077	V1E (V1)
	25	38	20	33	EDP11S038GN3R11000	Yes	C ⁵	ED3	90	\$13,873	V1E (V1)
	30	45	25	38	EDP11S045GN3R11000	Yes	C ⁵	ED3	104	\$15,233	V1E (V1)
	40	58.5	30	47	EDP11S058GN3R11000	Yes	C ⁵	ED3	110	\$16,683	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN3R11000	Yes	D ⁵	ED4	240	\$17,909	V1E (V1)
	75	88	50	73	EDP11S088GN3R11000	Yes	D ⁵	ED4	245	\$20,304	V1E (V1)
	75	105	75	88	EDP11S105GN3R11000	No	E ⁶	ED5	300	\$23,840	V1E (V1)
	100/125	142	75	115	EDP11S142GN3R11000	No	E ⁶	ED5	300	\$28,163	V1E (V1)
	150	180	100	142	EDP11S180GN3R11000	No	E ⁶	ED5	300	\$34,605	V1E (V1)
	175	211	125	180	EDP11S211GN3R11000	No	E ⁶	ED5	300	\$39,210	V1E (V1)
	200	242	150	211	EDP11S242GN3R11000	No	F ⁶	ED7	700	\$59,035	V1E (V1)
	250	312	200	242	EDP11S312GN3R11000	No	F ⁶	ED7	720	\$65,054	V1E (V1)
300	370	250	312	EDP11S370GN3R11000	No	F ⁶	ED7	750	\$67,943	V1E (V1)	
400	477	300	370	EDP11S477GN3R11000	No	F ⁶	ED7	775	\$82,414	V1E (V1)	
450	515	400	477	EDP11S515GN3R11000	No	G ⁶	ED9	1100	\$94,867	V1E (V1)	
500	601	450	515	EDP11S601GN3R11000	No	G ⁶	ED9	1120	\$106,258	V1E (V1)	
600	720	500	560	EDP11S720GN3R11000	No	G ⁷	ED9	1150	\$126,755	V1E (V1)	

Notes:

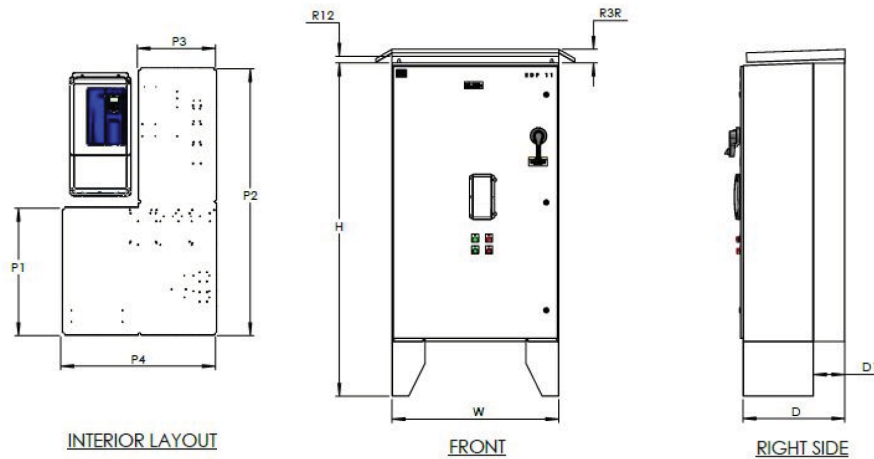
- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) ED1 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Maximum 40°C ambient temperature without derating
- 7) Maximum 35°C ambient temperature without derating
- 8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction. For other technical data please refer to WEG product manual.

Enclosure Frame Size

ED 1, 2, 3, 4



ED 5



Dimensions ⁵

Frame	H	W	D	D1	R3R ¹	R12 ²
ED1 ⁴	24	20	11.5	2.8	2.5	1.5
ED2 ⁴	30	24	14	5.4	2.5	1.5
ED3 ⁴	36	30	14	5.5	2.5	1.5
ED4 ⁴	48	30	17.5	6.8	2.5	1.5
ED5 ³	72	36	22	6.8	3	1.5

NOTE:

1) For NEMA 3R cabinet

2) For NEMA 12 Cabinet

3) ED5 "H" Dimension includes 12' for legs

4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED5 enclosures are non-ventilated and floor mounted.

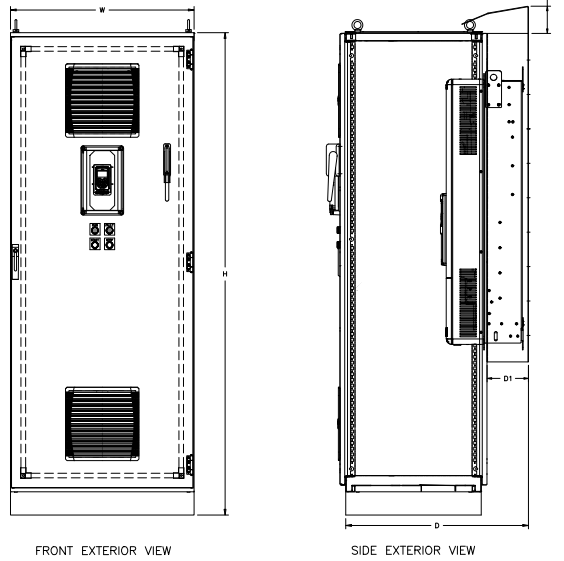
5) Dimensions are provided for estimating purposes only.

*For NEMA 3R cabinet **For NEMA 12 cabinet

EDP11

Enclosure Frame Size

ED 6

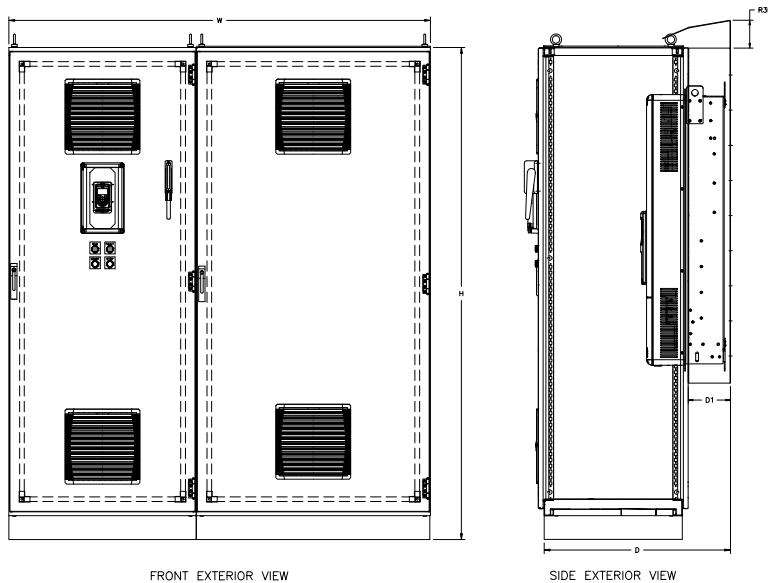


Dimensions

Frame	H	W	D(N12)	D(N3R)	D1(N12)	D1(N3R)	R3R	N12
ED6	83	32	31.4	41	6.2	11.4	0.5	1.5
ED7	83	63	31.4	41	6.2	11.4	0.5	1.5
ED8	83	56	31.9	41	7.5	11.4	0.5	1.5
ED9	83	95	31.9	41	7.5	11.4	0.5	1.5
ED10	91	80	31.9	41	7.5	11.4	0.5	1.5

NOTES: ED6 - ED10 enclosures are ventilated and floor-mounted
Dimensions are provided for Estimating Purposes only.

ED 7, 8, 9, 10



GPH2

The Combination Soft Starter is a NEMA 4 Enclosed industrial general purpose AC motor soft starter package. It is designed for simple and quick installation and start-up, requiring only input power and output motor connections.

The Combination Soft Starter is built to complement the ruggedness and reliability of WEG motors, providing a complete, simple, and cost effective AC motor starting and protection solution.

Standard Features

- Rated for 300% for 30 seconds
- Rated for 450% with derating
- 5 – 175HP at 230V
- 10 – 350HP at 460V
- Wall mounted enclosures for up to 125HP @ 230V; 250HP@460V
- Floor Mounted enclosure for up to 150 – 175HP @ 230V, and 300 – 350HP @ 460V
- Soft Starter
- SSW07 from 17 to 412Amps (all models with integrated AC1 by-pass)
- Circuit Breaker with Through Door Disconnect
- Control Power Transformer
- Start/Stop Pushbuttons
- Run/Fault Pilot Lights
- SuperDrive G2 Compatible

Note:
SSW07 models do not include keypad



Applications

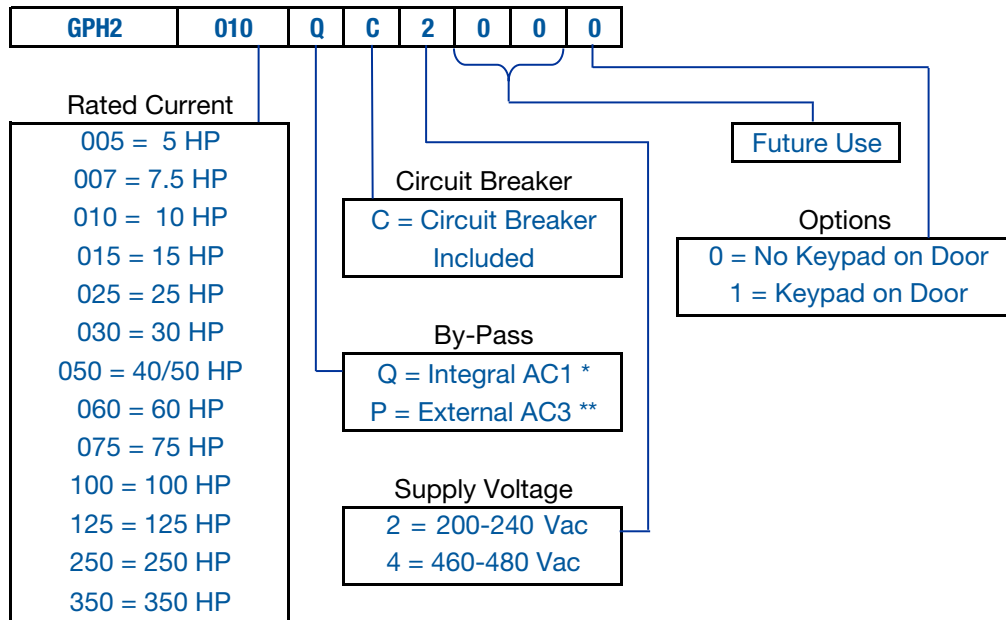
- Centrifugal Pumps
- Screw Compressors
- Centrifugal Fans
- Wood Chipper
- Veneer Lathe
- Saw
- Conveyor

Optional Features

- AC3 by-pass contactor and DOL Selector Switch
- Door mounted keypad
- 575V AC Supply
- SUSE Service Entrance Rated



GPH2 Catalog Number Sequence



* Bypass Contactor is 'Run Rated' and is integral to the soft starter

** Bypass Contactor is 'Full Rated' and mounted adjacent the soft starter inside the panel.

Table intended as reference only and not to create part numbers.

NEMA 4 Enclosure (Standard Version - with Circuit Breaker, Integral AC1 By-Pass and no Keypad on Door)

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight ⁴ (lbs.)	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Three-Phase 200-240 Vac						
	5	17	GPH2005QC2000	1	140	\$3,650	E1G (E1)
	7.5	24	GPH2007QC2000	1	140	\$3,750	E1G (E1)
	10	30	GPH2010QC2000	1	140	\$3,900	E1G (E1)
	15	45	GPH2015QC2000	2	150	\$4,300	E1G (E1)
	25	61	GPH2025QC2000	2	150	\$4,800	E1G (E1)
	30	85	GPH2030QC2000	2	150	\$5,800	E1G (E1)
	50	130	GPH2050QC2000	3	280	\$6,990	E1G (E1)
	60	171	GPH2060QC2000	3	280	\$7,500	E1G (E1)
	75	200	GPH2075QC2000	3	280	\$8,450	E1G (E1)
	100	255	GPH2100QC2000	4	415	\$10,700	E1G (E1)
	125	312	GPH2125QC2000	4	415	\$11,880	E1G (E1)
	150	365	GPH2150QC2000	5	610	\$12,700	E1G (E1)
	175	412	GPH2175QC2000	5	610	\$14,500	E1G (E1)
460 Vac	Input Power Supply: Three-Phase 460-480 Vac						
	10	17	GPH2010QC4000	1	140	\$3,650	E1G (E1)
	15	24	GPH2015QC4000	1	140	\$3,750	E1G (E1)
	20	30	GPH2020QC4000	1	140	\$3,900	E1G (E1)
	30	45	GPH2030QC4000	2	150	\$4,300	E1G (E1)
	40 / 50	61	GPH2050QC4000	2	150	\$4,800	E1G (E1)
	75	85	GPH2075QC4000	2	150	\$5,800	E1G (E1)
	100	130	GPH2100QC4000	3	280	\$6,990	E1G (E1)
	125	171	GPH2125QC4000	3	280	\$7,500	E1G (E1)
	150	200	GPH2150QC4000	3	280	\$8,450	E1G (E1)
	200	255	GPH2200QC4000	4	415	\$10,700	E1G (E1)
	250	312	GPH2250QC4000	4	415	\$11,880	E1G (E1)
	300	365	GPH2300QC4000	5	610	\$12,700	E1G (E1)
	350	412	GPH2350QC4000	5	610	\$14,500	E1G (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) For other technical data please refer to WEG product manual.
- 4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

GHP2

NEMA 4 Enclosure (with Circuit Breaker, Integral AC1 By-Pass and Keypad on Door)

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight ⁴ (lbs.)	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 200-240 Vac							
230 Vac	5	17	GPH2005QC2001	1	140	\$4,145	E1G (E1)
	7.5	24	GPH2007QC2001	1	140	\$4,245	E1G (E1)
	10	30	GPH2010QC2001	1	140	\$4,395	E1G (E1)
	15	45	GPH2015QC2001	2	150	\$4,795	E1G (E1)
	25	61	GPH2025QC2001	2	150	\$5,295	E1G (E1)
	30	85	GPH2030QC2001	2	150	\$6,295	E1G (E1)
	50	130	GPH2050QC2001	3	280	\$7,485	E1G (E1)
	60	171	GPH2060QC2001	3	280	\$7,995	E1G (E1)
	75	200	GPH2075QC2001	3	280	\$8,945	E1G (E1)
	100	255	GPH2100QC2001	4	415	\$11,195	E1G (E1)
	125	312	GPH2125QC2001	4	415	\$12,375	E1G (E1)
	150	365	GPH2150QC2001	5	610	\$13,195	E1G (E1)
	175	412	GPH2175QC2001	5	610	\$14,995	E1G (E1)
Input Power Supply: Three-Phase 460-480 Vac							
460 Vac	10	17	GPH2010QC4001	1	140	\$4,145	E1G (E1)
	15	24	GPH2015QC4001	1	140	\$4,245	E1G (E1)
	20	30	GPH2020QC4001	1	140	\$4,395	E1G (E1)
	30	45	GPH2030QC4001	2	150	\$4,795	E1G (E1)
	40 / 50	61	GPH2050QC4001	2	150	\$5,295	E1G (E1)
	75	85	GPH2075QC4001	2	150	\$6,295	E1G (E1)
	100	130	GPH2100QC4001	3	280	\$7,485	E1G (E1)
	125	171	GPH2125QC4001	3	280	\$7,995	E1G (E1)
	150	200	GPH2150QC4001	3	280	\$8,945	E1G (E1)
	200	255	GPH2200QC4001	4	415	\$11,195	E1G (E1)
	250	312	GPH2250QC4001	4	415	\$12,375	E1G (E1)
	300	365	GPH2300QC4001	5	610	\$13,195	E1G (E1)
	350	412	GPH2350QC4001	5	610	\$14,995	E1G (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) For other technical data please refer to WEG product manual.
- 4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

NEMA 4 Enclosure (with Circuit Breaker, External AC3 By-Pass and no Keypad on Door)

Motor Voltage	Motor HP 1	Starter Amps 2	Catalog Number	Frame Size	Approx. Weight 4 (lbs.)	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Three-Phase 200-240 Vac						
	5	17	GPH2005PC2000	1	140	\$3,900	E1G (E1)
	7.5	24	GPH2007PC2000	1	140	\$4,032	E1G (E1)
	10	30	GPH2010PC2000	1	140	\$4,243	E1G (E1)
	15	45	GPH2015PC2000	2	150	\$4,865	E1G (E1)
	25	61	GPH2025PC2000	2	150	\$5,412	E1G (E1)
	30	85	GPH2030PC2000	2	150	\$6,585	E1G (E1)
	50	130	GPH2050PC2000	3	280	\$8,260	E1G (E1)
	60	171	GPH2060PC2000	3	280	\$9,013	E1G (E1)
	75	200	GPH2075PC2000	3	280	\$10,350	E1G (E1)
	100	255	GPH2100PC2000	4	415	\$12,965	E1G (E1)
	125	312	GPH2125PC2000	4	415	\$14,847	E1G (E1)
	150	365	GPH2150PC2000	5	610	\$15,706	E1G (E1)
	175	412	GPH2175PC2000	5	610	\$21,075	E1G (E1)
460 Vac	Input Power Supply: Three-Phase 460-480 Vac						
	10	17	GPH2010PC4000	1	140	\$3,900	E1G (E1)
	15	24	GPH2015PC4000	1	140	\$4,032	E1G (E1)
	20	30	GPH2020PC4000	1	140	\$4,243	E1G (E1)
	30	45	GPH2030PC4000	2	150	\$4,865	E1G (E1)
	40 / 50	61	GPH2050PC4000	2	150	\$5,412	E1G (E1)
	75	85	GPH2075PC4000	2	150	\$6,585	E1G (E1)
	100	130	GPH2100PC4000	3	280	\$8,260	E1G (E1)
	125	171	GPH2125PC4000	3	280	\$9,013	E1G (E1)
	150	200	GPH2150PC4000	3	280	\$10,350	E1G (E1)
	200	255	GPH2200PC4000	4	415	\$12,965	E1G (E1)
	250	312	GPH2250PC4000	4	415	\$14,847	E1G (E1)
	300	365	GPH2300PC4000	5	610	\$15,706	E1G (E1)
	350	412	GPH2350PC4000	5	610	\$21,075	E1G (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) For other technical data please refer to WEG product manual.
- 4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

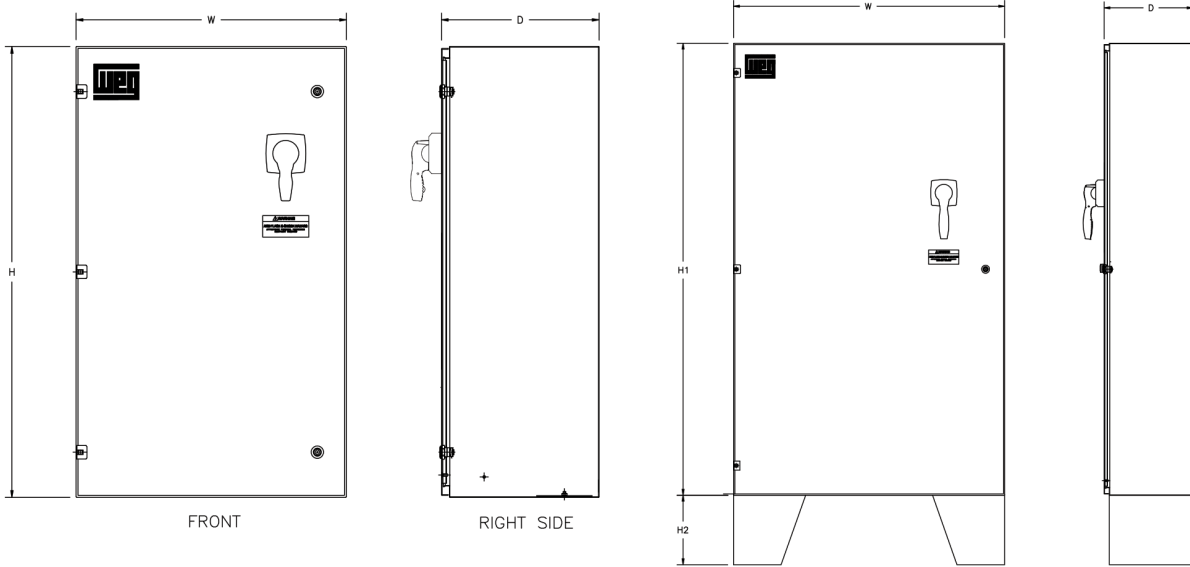
GPH2

NEMA 4 Enclosure (with Circuit Breaker, External AC3 By-Pass and Keypad on Door)

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight ⁴ (lbs.)	List Price	Multiplier New (Old)
230 Vac	Input Power Supply: Three-Phase 200-240 Vac						
	5	17	GPH2005PC2001	1	140	\$4,395	E1G (E1)
	7.5	24	GPH2007PC2001	1	140	\$4,527	E1G (E1)
	10	30	GPH2010PC2001	1	140	\$4,738	E1G (E1)
	15	45	GPH2015PC2001	2	150	\$5,360	E1G (E1)
	25	61	GPH2025PC2001	2	150	\$5,907	E1G (E1)
	30	85	GPH2030PC2001	2	150	\$7,080	E1G (E1)
	50	130	GPH2050PC2001	3	280	\$8,755	E1G (E1)
	60	171	GPH2060PC2001	3	280	\$9,508	E1G (E1)
	75	200	GPH2075PC2001	3	280	\$10,845	E1G (E1)
	100	255	GPH2100PC2001	4	415	\$13,460	E1G (E1)
	125	312	GPH2125PC2001	4	415	\$15,342	E1G (E1)
	150	365	GPH2150PC2001	5	610	\$16,201	E1G (E1)
	175	412	GPH2175PC2001	5	610	\$21,570	E1G (E1)
460 Vac	Input Power Supply: Three-Phase 460-480 Vac						
	10	17	GPH2010PC4001	1	140	\$4,395	E1G (E1)
	15	24	GPH2015PC4001	1	140	\$4,527	E1G (E1)
	20	30	GPH2020PC4001	1	140	\$4,738	E1G (E1)
	30	45	GPH2030PC4001	2	150	\$5,360	E1G (E1)
	40 / 50	61	GPH2050PC4001	2	150	\$5,907	E1G (E1)
	75	85	GPH2075PC4001	2	150	\$7,080	E1G (E1)
	100	130	GPH2100PC4001	3	280	\$8,755	E1G (E1)
	125	171	GPH2125PC4001	3	280	\$9,508	E1G (E1)
	150	200	GPH2150PC4001	3	280	\$10,845	E1G (E1)
	200	255	GPH2200PC4001	4	415	\$13,460	E1G (E1)
	250	312	GPH2250PC4001	4	415	\$15,342	E1G (E1)
	300	365	GPH2300PC4001	5	610	\$16,201	E1G (E1)
	350	412	GPH2350PC4001	5	610	\$21,570	E1G (E1)

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) For other technical data please refer to WEG product manual.
- 4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.



Frame Sizes 1-4

Frame Size 5

GPH Dimensions

Frame	W	D	H/H1	H2	Approx. Weight (lbs)
1	16	8	24	N/A	140
2	24	12	32	N/A	150
3	24	14	40	N/A	280
4	32	16	48	N/A	415
5	36	16	60	12	610

Notes: H1 + H2 = overall height

TPH2 Crusher Duty®

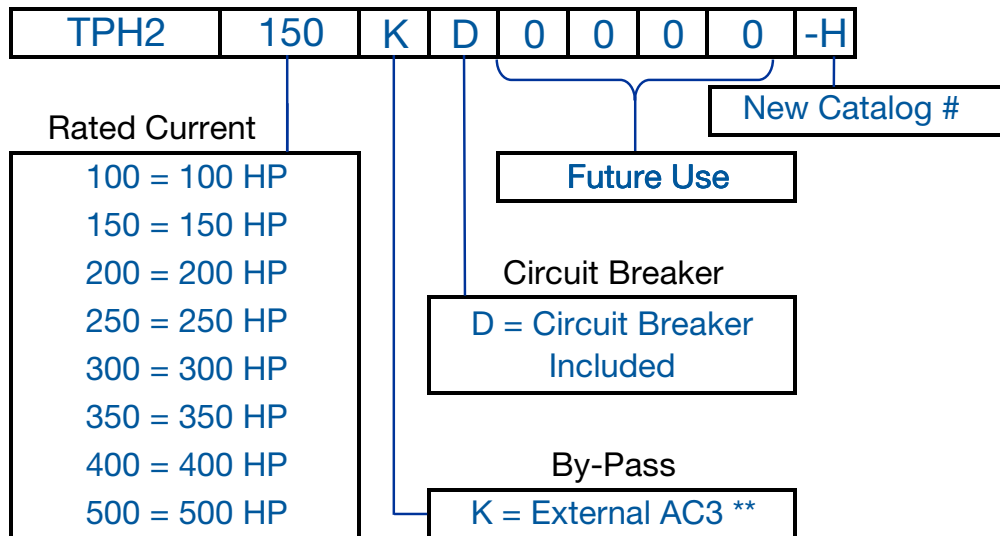
The WEG TPH2 Series of Crusher Duty® soft starters are designed to conquer the most demanding AC motor starting applications. While surpassing the highest starting torque requirements, the protective NEMA 4/12 enclosure makes the TPH2 Crusher Duty® soft starters ideal for the harsh industrial environments, even in wash down locations. Including as standard an AC3 full HP rated bypass contactor and motor overload relay, emergency direct-on-line starting is available at the flip of a switch while still providing full motor protection. Power lugs make motor connections safe and easy. The WEG TPH2 starters are built to complement the ruggedness and reliability of WEG motors, providing a complete and cost effective AC motor starting and protection solution.

Standard Features

- Built with reliable SSW06 soft starter inside
- Rated 450% for Crusher Duty® applications
- NEMA 4/12 WEG Blue enclosure. Suitable for dusty, wet or outdoor applications.
- Narrow design requires less space. Legs eliminate difficult wall mounting.
- Protective barriers over 460V and 120V terminals
- Circuit breaker with door mounted operator provides built-in short circuit protection and power disconnect.
- Full HP rated bypass contactor (AC3) with thermal overload relay and emergency start switch inside the enclosure (Softstart-Off-Across the Line) can be used in the event of Soft starter failure.
- Full soft starter protection during both start and bypass provides full protection from over/under current, supply and motor phase fault, phase unbalance, overtemp and over current.
- Keypad and full sized operator controls on cover with steel frame NEMA-4 window and cover over keypad. All parameter changes are through the cover-mounted keypad. Monitoring of current, voltage, kVA and kW can be done from the outside.
- Terminations for remote start-stop furnished - no need to trace control circuit for additional power lines.
- 250VA 120V service receptacle - Power up meters, lights, and small tools without additional power lines
- Modular multiple subpanel design. Ease of field modification or component replacement
- SuperDrive G2 Compatible



TPH2 Catalog Number Sequence



*** Bypass Contactor is "Full Rated" and mounted adjacent the soft starter inside the panel.
Table intended as reference only and not to create part numbers.*

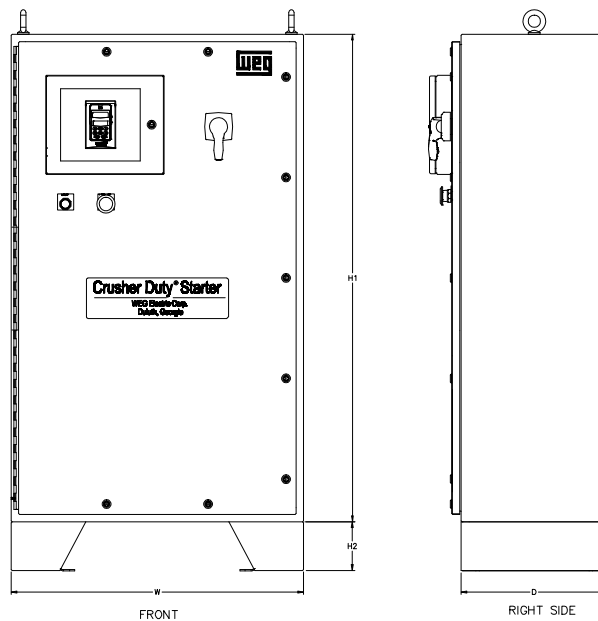
TPH2

NEMA 4 / 12 Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Current Catalog Number ³	New Catalog Number	Frame Size	Approx. Weight (lbs.) ⁴	List Price	Multiplier
Input Power Supply: Three-Phase 460-480 Vac								
460 Vac	100	130	TPH2100KD0000	TPH2100KD0000-H	1	442	\$14,605	K2
	150	205	TPH2150KD0000	TPH2150KD0000-H		470	\$17,014	K2
	200	255	TPH2200KD0000	TPH2200KD0000-H	2	608	\$20,938	K2
	250	312	TPH2250KD0000	TPH2250KD0000-H		658	\$22,300	K2
	300	365	TPH2300KD0000	TPH2300KD0000-H		710	\$27,946	K2
	350	412	TPH2350KD0000	TPH2350KD0000-H	3	770	\$30,293	K2
	400	480	TPH2400KD0000	TPH2400KD0000-H		855	\$34,357	K2
	500	604	TPH2500KD0000	TPH2500KD0000-H		875	\$43,756	K2

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
 - 3) If "Current Catalog Number" is not in stock, please go with "New Catalog Number"
 - 4) Dimensions and weights are for estimating purposes only.
- For other technical data please refer to WEG product manual.



Frame	W	D	H1	H2	H1 + H2
1	36	16	48	6	54
2	36	18	60	6	66
3	36	18	72	6	78

Notes:

* H1 + H2 = overall height

WEG Motion Fleet Management

Condition Monitoring of the fleet

Developed to bring more practicality and agility in the operation, maintenance and management of industrial plants, the WEG Motion Fleet Management is the ideal solution to monitor and raise the availability of the industrial fleet. Based on “cloud computing” technology, asset monitoring can be followed at any time and from anywhere in the world.

Diagnostics and Integration

Specialist

Advanced algorithms for failure diagnosis and consumption analysis



Exchange

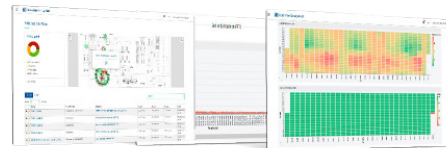
Integration with the customer's or third party's systems or platforms



Application & Management

Management

Fleet overview, alarms, dashboards, online monitoring and fleet reports



Scan & Gateway



WEG Motor Scan & Gateway



WCD-ED300-DSLV

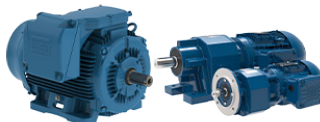


WCD-ED300-DSMV



WCD-IO300-LM

Assets



WEG Motion Fleet Management

With WEG Motion Fleet Management it is possible to know the operational status of electric motors, low and medium voltage variable speed drive and soft-starters, smart relay starting WEG(SRW), gearboxes, gearmotors, compressors, among other assets, which are applied in any type of industry or installation. Through periodic data collection and advanced data processing, both at the edge and in the cloud, valuable insights are generated. This way, it is possible to establish predictive maintenance plans, observing the operational condition of the fleet (condition-based maintenance). This approach reduces the number of unplanned stops, optimizes repair actions, and speeds up the decision-making process for the operation and maintenance team. The result is increased availability and reduced total cost of ownership (TCO) of the drive fleet.

Main features of WEG MFM Solution

- Dedicated and robust hardware for data acquisition;
- Data processing at the edge and in the cloud;
- Periodic fleet reports;
- Creation and management of maintenance orders;
- Asset prioritization tool;
- Specialist Modules with Analytics and Artificial Intelligence for fault diagnosis;
- Exchange modules for data integration with other platforms (via Web Service REST).

Advantages and Benefits of the WMFM Solution

- Monitoring of several assets and plants in a single environment;
- Ecosystem in constant development, both hardware and software;
- Fleet management view with reports and indicators;
- Ready-to-use solution, just register the WEG Scans in the application and use it;
- Customized layouts for navigation at various levels (geolocation, site, plant, device);
- Definition of favorite assets for easy tracking of their status; Daily notifications of assets in alert and/or critical state (via e-mail);
- Customization of tolerances to generate alerts and notifications;
- Enables maintenance management based on the operational condition of the assets;
- Dashboards with indicators, graphics, and history of measured data;
- Screens for user and subscription management;
- Flexible solution available to service providers;
- Operational cost reduction (TCO, Total Cost of Ownership);
- Multi-language application.

WEG Motion Fleet Management SCAN, GATEWAY & SUBSCRIPTIONS

TYPE	CATALOG #	DESCRIPTION	LIST PRICE	MULTIPLIER
Sensor	WMSC-1-MFM-M	Motor Scan Sensor for Hazardous Area with 1 year of Management Subscription for MFM	\$450	E4
Gateway	MOTOR-SCAN GATEWAY	Motor Scan Gateway	\$2,165	E4
Subscription - Management ¹	WMF-MGMT-1-MOTOR-ME	WEG Motion Fleet Management Module subscription for Motor Scan - 1 Yr	\$340	E4
	WMF-MGMT-2-MOTOR-ME	WEG Motion Fleet Management Module subscription for Motor Scan - 2 Yr	\$655	E4
Subscription - Specialist ¹	WMF-SPEC-1-MOTOR-ME	WEG Motion Fleet Specialist Module subscription for Motor Scan - 1 Yr (Per Sensor)	\$340	E4
	WMF-SPEC-2-MOTOR-ME	WEG Motion Fleet Specialist Module subscription for Motor Scan - 2 Yr (Per Sensor)	\$655	E4
Subscription - Exchange ¹	WMF-EXCH-BASIC-1-ME	Basic Exchange Module subscription for MFM - 1 yr, 10,000 calls / Month	\$1,625	E4
	WMF-EXCH-BASIC-2-ME	Basic Exchange Module subscription for MFM - 2 yr, 10,000 calls / Month	\$3,145	E4
	WMF-EXCH-STANDARD-1-ME	Standard Exchange Module subscription for MFM - 1 yr, 50,000 calls / Month	\$2,975	E4
	WMF-EXCH-STANDARD-2-ME	Standard Exchange Module subscription for MFM - 2 yr, 50,000 calls / Month	\$5,765	E4
	WMF-EXCH-PLUS-1-ME	Exchange Plus Module subscription for MFM - 1 yr, 100,000 calls / Month	\$4,460	E4
	WMF-EXCH-PLUS-2-ME	Exchange Plus Module subscription for MFM - 2 yr, 100,000 calls / Month	\$8,650	E4

Notes:

1) Please contact WEG to purchase the subscription.

CFW10 IP20 Enclosure → Replace with → CFW100 IP20 Enclosure

Motor Voltage	Motor HP ¹	Drive Amps ²	CFW10 Catalog Number	Braking Transistor	Drive Amps ²	CFW100 Catalog Number	Braking Transistor	List Price	Multiplier New (Old)	
230 Vac Three Phase	Input Power Supply: Single-Phase 230 Vac									
	1/4	1.6	CFW100016SDZ	No	1.6	CFW100A01P6S220G2	No	\$302	V1U (V1)	
	1/2	2.6	CFW100026SDZ	No	2.6	CFW100B02P6S220G2	No	\$346	V1U (V1)	
	1	4.0	CFW100040SDZ	No	4.2	CFW100C04P2S220G2	No	\$396	V1U (V1)	
	2	7.3	CFW100073SDZ	Yes	See CFW300 Cross Reference					
	3	10.0	CFW100100SDZ	Yes	See CFW300 Cross Reference					
	1/4	1.6	CFW100016SDPLZ	No	1.6	CFW100C04P2S220G2 ³	No	\$302	V1U (V1)	
	1/2	2.6	CFW100026SDPLZ	No	2.6	CFW100B02P6S220G2 ³	No	\$346	V1U (V1)	
	1	4.0	CFW100040SDPLZ	No	4.2	CFW100C04P2S220G2 ³	No	\$396	V1U (V1)	
	2	7.3	CFW100073SDPLZ	Yes	See CFW300 Cross Reference					
	3	10.0	CFW100100SDPLZ	Yes	See CFW300 Cross Reference					

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 3) CFW100 has an optional potentiometer available.
- "For other technical data please refer to WEG product manual."*

CFW10 IP20 Enclosure → Replace with → CFW300 IP20 Enclosure

Motor Voltage	Motor HP ¹	Drive Amps ²	CFW10 Catalog Number	Braking Transistor	Drive Amps ²	CFW300 Catalog Number	Braking Transistor	List Price	Multiplier New (Old)	
230 Vac Three Phase	Input Power Supply: Single-Phase 120 Vac									
	1/4	1.6	CFW100016SAZ	No	1.6	CFW300A01P6S1NB20	No	\$361	V1M (V1)	
	1/2	2.6	CFW100026SAZ	No	2.6	CFW300A02P6S1NB20	No	\$394	V1M (V1)	
	1	4.0	CFW100040SAZ	No	4.2	CFW300A04P2S1NB20	No	\$420	V1M (V1)	
	1/4	1.6	CFW100016SAPLZ	No	1.6	CFW300A01P6S1NB20 ³	No	\$361	V1M (V1)	
	1/2	2.6	CFW100026SAPLZ	No	2.6	CFW300A02P6S1NB20 ³	No	\$394	V1M (V1)	
	1	4.0	CFW100040SAPLZ	No	4.2	CFW300A04P2S1NB20 ³	No	\$420	V1M (V1)	
	Input Power Supply: Single-Phase 230 Vac									
	1/4	1.6	CFW100016SDZ	No	1.6	CFW300A01P6S2NB20	No	\$323	V1M (V1)	
	1/2	2.6	CFW100026SDZ	No	2.6	CFW300A02P6S2NB20	No	\$348	V1M (V1)	
	1	4.0	CFW100040SDZ	No	4.2	CFW300A04P2S2NB20	No	\$371	V1M (V1)	
	2	7.3	CFW100073SDZ	Yes	7.3	CFW300A07P3S2NB20	No	\$543	V1M (V1)	
	3	10.0	CFW100100SDZ	Yes	10.0	CFW300B10P0B2DB20	Yes	\$648	V1M (V1)	
	1/4	1.6	CFW100016SDPLZ	No	1.6	CFW300A01P6S2NB20 ³	No	\$323	V1M (V1)	
	1/2	2.6	CFW100026SDPLZ	No	2.6	CFW300A02P6S2NB20 ³	No	\$348	V1M (V1)	
	1	4.0	CFW100040SDPLZ	No	4.2	CFW300A04P2S2NB20 ³	No	\$371	V1M (V1)	
	2	7.3	CFW100073SDPLZ	Yes	7.3	CFW300A07P3S2NB20 ³	No	\$543	V1M (V1)	
	3	10.0	CFW100100SDPLZ	Yes	10.0	CFW300B10P0B2DB20 ³	Yes	\$648	V1M (V1)	

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 3) CFW300 has keypad speed adjustment in lieu of CFW10 with Potentiometer.
- "For other technical data please refer to WEG product manual."*



CFW08 Plus



Replace with



CFW500

(For NEMA1, Please use CFW500 NEMA1 kit with VFD)

NEMA 1 Enclosure

Motor Voltage	Motor HP ¹	Drive Amps ²	CFW08 Catalog Number	Braking Transistor		Drive Amps ²	CFW500 Catalog Number	Braking Transistor	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 230 Vac										
230 Vac	1/4 - 1/3	1.6	CFW080016BDN1A1Z	No		1.6	CFW500A01P6B2NB20	No	\$456	V1G (V1)
	1/2	2.6	CFW080026BDN1A1Z	No		2.6	CFW500A02P6B2NB20	No	\$467	V1G (V1)
	1	4.0	CFW080040BDN1A1Z	No		4.3	CFW500A04P3B2NB20	No	\$506	V1G (V1)
	2	7.0	CFW080070TDN1A1Z	No		7.0	CFW500A07P0T2NB20	No	\$628	V1G (V1)
	2	7.3	CFW080073BDN1A1Z	Yes		7.3	CFW500B07P3B2DB20	Yes	\$678	V1G (V1)
	3	10	CFW080100BDN1A1Z	Yes		10	CFW500B10P0B2DB20	Yes	\$789	V1G (V1)
	5	16	CFW080160TDN1A1Z	Yes		16	CFW500B16P0T2DB20	Yes	\$842	V1G (V1)
	7 1/2	22	CFW080220TDN1A1Z	Yes		24	CFW500C24P0T2DB20	Yes	\$1,427	V1G (V1)
	10	28	CFW080280TDN1A1Z	Yes		28	CFW500D28P0T2DB20	Yes	\$1,777	V1G (V1)
						33	CFW500D33P0T2DB20	Yes	\$2,146	V1G (V1)
					47	CFW500D47P0T2DB20	Yes	\$2,910	V1G (V1)	
Input Power Supply: Three-Phase 460 Vac										
460 Vac	1/4 - 1/3	1.0	CFW080010TGN1A1Z	No		1.0	CFW500A01P0T4NB20	No	\$582	V1G (V1)
	3/4	1.6	CFW080016TGN1A1Z	No		1.6	CFW500A01P6T4NB20	No	\$604	V1G (V1)
	1	2.6	CFW080026TGN1A1Z	No		2.6	CFW500A02P6T4NB20	No	\$649	V1G (V1)
	1	2.7	CFW080027TGN1A1Z	Yes		2.6	CFW500B02P6T4DB20	Yes	\$708	V1G (V1)
	2	4.0	CFW080040TGN1A1Z	No		4.3	CFW500A04P3T4NB20	No	\$799	V1G (V1)
	2	4.3	CFW080043TGN1A1Z	Yes		4.3	CFW500B04P3T4DB20	Yes	\$892	V1G (V1)
	3	6.5	CFW080065TGN1A1Z	Yes		6.5	CFW500B06P5T4DB20	Yes	\$1,067	V1G (V1)
	5	10	CFW080100TGN1A1Z	Yes		10	CFW500B10P0T4DB20	Yes	\$1,207	V1G (V1)
	7 1/2	13	CFW080130TGN1A1Z	Yes		14	CFW500C14P0T4DB20	Yes	\$1,495	V1G (V1)
	10	16	CFW080160TGN1A1Z	Yes		16	CFW500C16P0T4DB20	Yes	\$1,684	V1G (V1)
	15	24	CFW080240TGN1A1Z	Yes		24	CFW500D24P0T4DB20	Yes	\$2,229	V1G (V1)
	20	30	CFW080300TGN1A1Z	Yes		31	CFW500D31P0T4DB20	Yes	\$2,783	V1G (V1)
	Input Power Supply: Three-Phase 575 Vac									
575 Vac ⁴	1	1.7	CFW080017THN1A1Z	Yes		1.7	CFW500C01P7T5DB20	Yes	\$910	V1G (V1)
	2	3.0	CFW080030THN1A1Z	Yes		3.0	CFW500C03P0T5DB20	Yes	\$954	V1G (V1)
	3	4.3	CFW080043THN1A1Z	Yes		4.3	CFW500C04P3T5DB20	Yes	\$1,073	V1G (V1)
	5	7.0	CFW080070THN1A1Z	Yes		7.0	CFW500C07P0T5DB20	Yes	\$1,276	V1G (V1)
	7 1/2	10	CFW080100THN1A1Z	Yes		10	CFW500C10P0T5DB20	Yes	\$1,621	V1G (V1)
	10	12	CFW080120THN1A1Z	Yes		12	CFW500C12P0T5DB20	Yes	\$1,813	V1G (V1)

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
 - 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 3) CFW08 Plus NEMA1 drives are non-stocked items. Consult WEG for availability.
 - 4) All 575 Vac drives are non-stocked items. Consult WEG for availability.
- For other technical data please refer to WEG product manual.

CFW09 Replace with CFW700 (IP20) & CFW11 (NEMA 1) Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		CFW09 Catalog Number	Braking Transistor		ND / VT ¹ / HD / CT ¹		CFW700 Catalog Number	Braking Transistor	List Price	Multiplier New (Old)	
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³				Drive Amps ³	Drive Amps ³					
Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor														
230 Vac	1 1/2	6.0	1 1/2	6.0	CFW-090006TDZ	Yes		6.0	5.0	CFW700A06P0B2DB20	Yes	\$1,370	V1G (V1)	
	2	7.0	2	7.0	CFW-090007TDZ	Yes		7.0	7.0	CFW700A07P0B2DB20	Yes	\$1,430	V1G (V1)	
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor													
	3	10	3	10	CFW-090010TDZ	Yes		13	11	CFW700A13P0T2DB20	Yes	\$1,440	V1G (V1)	
	3	13	3	13	CFW-090013TDZ	Yes		16	13	CFW700A16P0T2DB20	Yes	\$1,542	V1G (V1)	
	5	16	5	16	CFW-090016TDZ	Yes		24	20	CFW700B24P0T2DB20	Yes	\$2,020	V1G (V1)	
	7 1/2	24	7 1/2	24	CFW-090024TDZ	Yes		28	24	CFW700B28P0T2DB20	Yes	\$2,201	V1G (V1)	
	10	28	10	28	CFW-090028TDZ	Yes		33.5	28	CFW700B33P5T2DB20	Yes	\$2,600	V1G (V1)	
	15	45	15	45	CFW-090045TDZ	Yes		54	45	CFW700C54P0T2DB20	Yes	\$3,700	V1G (V1)	
	25	68	20	54	CFW-090054TDDDBZ	Yes		70	56	CFW700C70P0T2DB20	Yes	\$4,880	V1G (V1)	
	30	86	25	70	CFW-090070TDDDBZ	Yes		86	70	CFW700D86P0T2DBN1	Yes	\$6,101	V1G (V1)	
	40	105	30	86	CFW-090086TDDDBZ	Yes		105	86	CFW700D105T2DBN1	Yes	\$8,100	V1G (V1)	
	50	130	40	105	CFW-090105TDDDBZ	Yes		142	115	CFW700E142T2DB20C3	Yes	\$11,500	V1G (V1)	
	50	150	50	130	CFW-090130TDDDBZ	Yes		180	142	CFW700E180T2DB20C3	Yes	\$15,500	V1G (V1)	
	60	174	50	142	CFW-090142TDDDBZ	Yes		211	180	CFW700E211T2DB20C3	Yes	\$21,222	V1G (V1)	
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor													
25	68	20	54	CFW-090054TDZ	No		70	56	CFW700C70P0T2DB20	Yes	\$3,700	V1G (V1)		
30	86	25	70	CFW-090070TDZ	No		86	70	CFW700D86P0T2DBN1	Yes	\$4,880	V1G (V1)		
40	105	30	86	CFW-090086TDZ	No		105	86	CFW700D105T2DBN1	Yes	\$6,101	V1G (V1)		
50	130	40	105	CFW-090105TDZ	No		142	115	CFW700E142T2NB20C3	No	\$10,101	V1G (V1)		
50	150	50	130	CFW-090130TDZ	No		180	142	CFW700E180T2NB20C3	No	\$12,999	V1G (V1)		
60	174	50	142	CFW-090142TDZ	No		180	142	CFW700E180T2NB20C3	No	\$12,999	V1G (V1)		
60	180	60	180	CFW-090180TDZ	No		211	180	CFW700E211T2NB20C3	No	\$18,555	V1G (V1)		
75	240	75	240	CFW-090240TDZ	No									
Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor														
460 Vac	2	3.6	1.5	3.6	CFW-090003TGZ	Yes		3.6	3.6	CFW700A03P6T4DB20	Yes	\$1,350	V1G (V1)	
	2	4.0	2	4.0	CFW-090004TGZ	Yes		5.0	5.0	CFW700A05P0T4DB20	Yes	\$1,444	V1G (V1)	
	3	5.5	3	5.5	CFW-090005TGZ	Yes		7.0	5.5	CFW700A07P0T4DB20	Yes	\$1,510	V1G (V1)	
	5	9.0	5	9.0	CFW-090009TGZ	Yes		10	10	CFW700A10P0T4DB20	Yes	\$1,600	V1G (V1)	
	7.5	13	7.5	13	CFW-090013TGZ	Yes		17	13.5	CFW700B17P0T4DB20	Yes	\$2,055	V1G (V1)	
	10	16	10	16	CFW-090016TGZ	Yes		24	19	CFW700B24P0T4DB20	Yes	\$2,455	V1G (V1)	
	15	24	15	24	CFW-090024TGZ	Yes		31	25	CFW700B31P0T4DB20	Yes	\$3,450	V1G (V1)	
	25	36	20	30	CFW-090030TGZ	Yes		38	33	CFW700C38P0T4DB20	Yes	\$3,888	V1G (V1)	
	30	45	25	38	CFW-090038TGDBZ	Yes		45	38	CFW700C45P0T4DB20	Yes	\$5,000	V1G (V1)	
	40	54	30	45	CFW-090045TGDBZ	Yes		58.5	47	CFW700C58P5T4DB20	Yes	\$5,800	V1G (V1)	
	50	70	40	60	CFW-090060TGDBZ	Yes		70.5	61	CFW700D70P5T4DBN1	Yes	\$6,888	V1G (V1)	
	60	86	50	70	CFW-090070TGDBZ	Yes		88	73	CFW700D88P0T4DBN1	Yes	\$8,100	V1G (V1)	
	75	105	60	86	CFW-090086TGDBZ	Yes		105	88	CFW700E105T4DB20C3	Yes	\$11,989	V1G (V1)	
	100	130	75	105	CFW-090105TGDBZ	Yes		142	115	CFW700E142T4DB20C3	Yes	\$14,989	V1G (V1)	
150	174	100	142	CFW-090142TGDBZ	Yes		180	142	CFW700E180T4DB20C3	Yes	\$20,989	V1G (V1)		

continued on next page



CFW09
NEMA 1 Enclosure

Replace with

CFW700 (IP20) & CFW11 (NEMA 1)
Enclosure

	ND / VT ¹		HD / CT ¹		CFW09 Catalog Number	Braking Transistor		ND / VT ¹	HD / CT ¹	CFW700 Catalog Number	Braking Transistor	List Price	Multiplier New (Old)
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³									
460 Vac	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor												
	30	45	25	30	CFW-090038TGZ	No		38	33	CFW700C38P0T4DB20	Yes	\$3,888	V1G (V1)
	40	54	30	40	CFW-090045TGZ	No		45	38	CFW700C45P0T4DB20	Yes	\$5,000	V1G (V1)
	50	70	40	50	CFW-090060TGZ	No		70.5	61	CFW700D70P5T4DBN1	Yes	\$6,888	V1G (V1)
	60	86	50	60	CFW-090070TGZ	No		70.5	61	CFW700D70P5T4DBN1	Yes	\$6,888	V1G (V1)
	75	105	60	75	CFW-090086TGZ	No		105	88	CFW700E105T4NB20C3	No	\$9,999	V1G (V1)
	100	130	75	100	CFW-090105TGZ	No		142	115	CFW700E142T4NB20C3	No	\$12,000	V1G (V1)
	125	174	100	125	CFW-090142TGZ	No		180	142	CFW700E180T4NB20C3	No	\$15,400	V1G (V1)
	150	180	150	180	CFW-090180TGZ	No		211	180	CFW700E211T4NB20C3	No	\$18,787	V1G (V1)
	150	211	150	211	CFW-090211TGZ	No		312	242	CFW110312T4SZ ⁵	No	\$29,366	V1P (V1)
	200	240	200	240	CFW-090240TGZ	No		312	242	CFW110312T4SZ ⁵	No	\$29,366	V1P (V1)
	250	312	250	312	CFW-090312TGZ	No		370	312	CFW110370T4SZ ⁵	No	\$31,314	V1P (V1)
	300	361	300	361	CFW-090361TGZ	No		477	370	CFW110477T4SZ ⁵	No	\$41,027	V1P (V1)
	350	450	350	450	CFW-090450TGZ	No		515	477	CFW110515T4SZ ⁵	No	\$43,970	V1P (V1)
	400	515	400	515	CFW-090515TGZ	No		601	515	CFW110601T4SZ ⁵	No	\$50,088	V1P (V1)
500	600	500	600	CFW-090600TGZ	No		720	560	CFW110720T4SZ ⁵	No	\$59,330	V1P (V1)	
575 Vac ⁴	Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor												
	3	4.2	2	2.9	CFW-090002THZ	Yes		4.2	3.8	CFW700B04P2T5DB20	Yes	\$1,759	V1G (V1)
	5	7.0	3	4.2	CFW-090004THZ	Yes		7.0	6.5	CFW700B07P0T5DB20	Yes	\$1,874	V1G (V1)
	7 1/2	10	5	7.0	CFW-090007THZ	Yes		10	9.0	CFW700B10P0T5DB20	Yes	\$2,048	V1G (V1)
	10	12	7 1/2	10	CFW-090010THZ	Yes		12	10	CFW700B12P0T5DB20	Yes	\$2,171	V1G (V1)
	15	14	10	12	CFW-090012THZ	Yes		17	17	CFW700B17P0T5DB20	Yes	\$2,552	V1G (V1)
	15	14	15	14	CFW-090014THZ	Yes		17	17	CFW700B17P0T5DB20	Yes	\$2,552	V1G (V1)
	25	27	20	32	CFW-090022THDBZ	Yes		27	22	CFW700C27P0T5DB20	Yes	\$4,506	V1G (V1)
	30	32	25	27	CFW-090027THDBZ	Yes		32	27	CFW700C32P0T5DB20	Yes	\$6,486	V1G (V1)
	30	32	30	32	CFW-090032THDBZ	Yes		44	36	CFW700C44P0T5DB20	Yes	\$7,309	V1G (V1)
	50	53	40	44	CFW-090044THDBZ	Yes		53	44	CFW700E53P0T5DB20C3	Yes	\$9,118	V1G (V1)
	60	63	50	53	CFW-090053THDBZ	Yes		63	53	CFW700E63P0T5DB20C3	Yes	\$11,580	V1G (V1)
	75	79	60	63	CFW-090063THDBZ	Yes		80	66	CFW700E80P0T5DB20C3	Yes	\$12,091	V1G (V1)
	100	99	75	79	CFW-090079THDBZ	Yes		107	90	CFW700E107T5DB20C3	Yes	\$16,240	V1G (V1)
	Input Power Supply: Three-Phase 500-600 Vac without Dynamic Braking Transistor												
25	27	20	22	CFW-090022THZ	No		27	22	CFW700D27P0T5NBN1	No	\$4,450	V1G (V1)	
30	32	25	27	CFW-090027THZ	No		32	27	CFW700D32P0T5NBN1	No	\$5,763	V1G (V1)	
30	32	30	32	CFW-090032THZ	No		44	36	CFW700D44P0T5NBN1	No	\$6,768	V1G (V1)	
50	53	40	44	CFW-090044THZ	No		53	44	CFW700E53P0T5NB20C3	No	\$8,446	V1G (V1)	
60	63	50	53	CFW-090053THZ	No		63	53	CFW700E63P0T5NB20C3	No	\$10,728	V1G (V1)	
75	79	60	63	CFW-090063THZ	No		80	66	CFW700E80P0T5NB20C3	No	\$11,200	V1G (V1)	
100	99	75	79	CFW-090079THZ	No		107	90	CFW700E107T5NB20C3	No	\$15,042	V1G (V1)	
150	147	100	107	CFW-090107THZ	No		150	122	CFW700E150T5NB20C3	No	\$21,723	V1G (V1)	
200	196	150	147	CFW-090147THZ	No		216	180	CFW110216T6OYZ	No	\$40,206	V1P (V1)	
200	211	200	211	CFW-090211THZ	No		289	240	CFW110289T6OYZ	No	\$48,913	V1P (V1)	
300	315	250	247	CFW-090247THZ	No		315	289	CFW110315T6OYZ	No	\$54,936	V1P (V1)	
350	343	300	315	CFW-090315THZ	No		365	315	CFW110365T6OYZ	No	\$71,061	V1P (V1)	
400	418	350	343	CFW-090343THZ	No		435	357	CFW110435T6OYZ	No	\$76,125	V1P (V1)	
500	472	400	418	CFW-090418THZ	No		584	504	CFW110584T6OYZ	No	Contact Factory		
600	555	500	472	CFW-090472THZ	No		584	504	CFW110584T6OYZ	No	Contact Factory		

Notes:

- 1) "HP" rating based on "average FLA values". Use as a guide only.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.

- 3) CFW08 Plus NEMA1 drives are non-stocked items. Consult WEG for availability.
 - 4) All 575 Vac drives are non-stocked items. Consult WEG for availability.
 - 5) CFW11 drives are shown where no CFW700 drive is available.
- For other technical data please refer to WEG product manual.

CFW08 NEMA4X Enclosure **→** Replace with **→** CFW500-G2 IP66/NEMA4X Enclosure



HP	AMPS	CFW08-N4X CATALOG NUMBER		CFW500-IP66/N4X W/O DISCONNECT		CFW500-IP66/N4X WITH DISCONNECT		MULTIPLIER New (Old)	
				CATALOG NUMBER	LIST PRICE	CATALOG NUMBER	LIST PRICE		
Input Power Supply: 1 OR 3/200-240VAC									
1/3	1.6	-	-	CFW500A01P6B2DB66G2	\$775	CFW500A01P6B2DB66DSG2	\$895	V1W (V1)	
3/4	2.6	-	-	CFW500A02P6B2DB66G2	\$800	CFW500A02P6B2DB66DSG2	\$920	V1W (V1)	
1-1/2	4.3	-	-	CFW500A04P3B2DB66G2	\$850	CFW500A04P3B2DB66DSG2	\$980	V1W (V1)	
2	7.3	CFW080073BDN4A1Z	USCFW080073B2024EON4A1Z	CFW500A07P3B2DB66G2	\$1,015	CFW500A07P3B2DB66DSG2	\$1,170	V1W (V1)	
3	10	CFW080100BDN4A1Z	USCFW080100B2024EON4A1Z	CFW500A10P0B2DB66G2	\$1,095	CFW500A10P0B2DB66DSG2	\$1,255	V1W (V1)	
Input Power Supply: 3/200-240VAC									
5	16	CFW080160TDN4A1Z	USCFW080160T2024EON4A1Z	CFW500A16P0T2DB66G2	\$1,350	CFW500A16P0T2DB66DSG2	\$1,555	V1W (V1)	
7-1/2	22	CFW080220TDN4A1Z	USCFW080220T2024EON4A1Z	CFW500B24P0T2DB66G2	\$1,950	CFW500B24P0T2DB66DSG2	\$2,245	V1W (V1)	
10	28	CFW080280TDN4A1Z	USCFW080280T2024EON4A1Z	CFW500B28P0T2DB66G2	\$2,275	CFW500B28P0T2DB66DSG2	\$2,620	V1W (V1)	
10	33	CFW080330TDN4A1Z	USCFW080330T2024EON4A1Z	CFW500B33P0T2DB66G2	\$2,675	CFW500B33P0T2DB66DSG2	\$3,080	V1W (V1)	
Input Power Supply: 3/380-480VAC									
1/2	1	-	-	CFW500A01P0T4DB66G2	\$950	CFW500A01P0T4DB66DSG2	\$1,095	V1W (V1)	
1	1.6	-	-	CFW500A01P6T4DB66G2	\$975	CFW500A01P6T4DB66DSG2	\$1,125	V1W (V1)	
2	2.7	CFW080027TGN4A1Z	USCFW080027T3848EON4A1Z	CFW500A02P6T4DB66G2	\$990	CFW500A02P6T4DB66DSG2	\$1,140	V1W (V1)	
3	4.3	CFW080043TGN4A1Z	USCFW080043T3848EON4A1Z	CFW500A04P3T4DB66G2	\$1,175	CFW500A04P3T4DB66DSG2	\$1,350	V1W (V1)	
5	6.5	CFW080065TGN4A1Z	USCFW080065T3848EON4A1Z	CFW500A06P5T4DB66G2	\$1,400	CFW500A06P5T4DB66DSG2	\$1,610	V1W (V1)	
7-1/2	10	CFW080100TGN4A1Z	USCFW080100T3848EON4A1Z	CFW500A10P0T4DB66G2	\$1,650	CFW500A10P0T4DB66DSG2	\$1,900	V1W (V1)	
10	14	CFW080130TGN4A1Z	USCFW080130T3848EON4A1Z	CFW500B14P0T4DB66G2	\$2,050	CFW500B14P0T4DB66DSG2	\$2,360	V1W (V1)	
10	16	CFW080160TGN4A1Z	USCFW080160T3848EON4A1Z	CFW500B16P0T4DB66G2	\$2,275	CFW500B16P0T4DB66DSG2	\$2,620	V1W (V1)	
15	24	CFW080240TGN4A1Z	USCFW080240T3848EON4A1Z	CFW500B24P0T4DB66G2	\$3,025	CFW500B24P0T4DB66DSG2	\$3,480	V1W (V1)	
25	30	CFW080300TGN4A1Z	USCFW080300T3848EON4A1Z	CFW500B31P0T4DB66G2	\$3,650	CFW500B31P0T4DB66DSG2	\$4,200	V1W (V1)	
Input Power Supply: 3/500-600VAC									
1-1/2	1.7	CFW080017THN4A1Z	USCFW080017T5060EON4A1Z	CFW500B01P7T5DB66	\$1,590	CFW500B01P7T5DB66DS	\$1,830	V1W (V1)	
3	3	CFW080030THN4A1Z	USCFW080030T5060EON4A1Z	CFW500B03P0T5DB66	\$1,670	CFW500B03P0T5DB66DS	\$1,925	V1W (V1)	
3	4.3	CFW080043THN4A1Z	USCFW080043T5060EON4A1Z	CFW500B04P3T5DB66	\$1,890	CFW500B04P3T5DB66DS	\$2,175	V1W (V1)	
7-1/2	7	CFW080070THN4A1Z	USCFW080070T5060EON4A1Z	CFW500B07P0T5DB66	\$2,115	CFW500B07P0T5DB66DS	\$2,435	V1W (V1)	
10	10	CFW080100THN4A1Z	USCFW080100T5060EON4A1Z	CFW500B10P0T5DB66	\$2,330	CFW500B10P0T5DB66DS	\$2,680	V1W (V1)	
10	12	CFW080120THN4A1Z	USCFW080120T5060EON4A1Z	CFW500B12P0T5DB66	\$2,615	CFW500B12P0T5DB66DS	\$3,005	V1W (V1)	

SSW06 Soft Starters

Replace with

SSW900 Soft Starters

Motor Voltage	Motor HP ¹	Starter Amps ²	Duty Cycle	SSW06 Catalog Number	Motor HP ¹	Starter Amps ²	Duty Cycle	SSW900 Catalog Number	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 200-240 Vac										
3-Ph, 230VAC	3	10	300%, 30 s, 10 Starts/hr, 55°C	SSW060010T2257ESZ	3	10	300%, 30 s, 10 Starts/hr, 55°C	SSW900A0010T5E2B	\$1,386	E19 (E1)
	5	16		SSW060016T2257ESZ	5	17		SSW900A0017T5E2B	\$1,429	E19 (E1)
	7.5	23		SSW060023T2257ESZ	7.5	24		SSW900A0024T5E2B	\$1,572	E19 (E1)
	10	30		SSW060030T2257ESZ	10	30		SSW900A0030T5E2B	\$1,703	E19 (E1)
	15	45		SSW060045T2257ESZ	15	45		SSW900B0045T5E2B ³	\$1,976	E19 (E1)
	20	60		SSW060060T2257ESZ	20	61		SSW900B0061T5E2B ³	\$2,181	E19 (E1)
	25 / 30	85		SSW060085T2257ESZ	25 / 30	85		SSW900B0085T5E2B ³	\$2,771	E19 (E1)
	-	-		-	40	105		SSW900B0105T5E2B ³	\$3,160	E19 (E1)
	50	130		SSW060130T2257ESZ	50	130		SSW900C0130T5E2B ³	\$3,547	E19 (E1)
	60	170		SSW060170T2257ESZ	60	171		SSW900C0171T5E2B ³	\$4,270	E19 (E1)
	75	205	SSW060205T2257ESZ	75	200	SSW900C0200T5E2B ³	\$5,354	E19 (E1)		
	100	255	SSW060255T2257ESZ	100	255	SSW900D0255T5E3B	\$7,188	E19 (E1)		
	125	312	SSW060312T2257ESZ	125	312	SSW900D0312T5E3B	\$7,896	E19 (E1)		
	150	365	SSW060365T2257ESZ	150	365	SSW900D0365T5E3B	\$8,721	E19 (E1)		
	150	412	SSW060412T2257ESZ	150	412	SSW900D0412T5E3B	\$9,465	E19 (E1)		
	200	480	SSW060480T2257ESZ	200	480	SSW900E0480T5E3B	\$11,730	E19 (E1)		
	250	604	SSW060604T2257ESZ	250	604	SSW900E0604T5E3B	\$13,082	E19 (E1)		
	250	670	SSW060670T2257ESZ	250	670	SSW900E0670T5E3B	\$14,878	E19 (E1)		
	350	820	SSW060820T2257ESZ	350	820	SSW900F0820T5E3B	\$17,573	E19 (E1)		
	400	950	SSW060950T2257ESH1Z	400	950	SSW900F0950T5E3B	\$26,592	E19 (E1)		
450	1100	SSW061100T2257ESH2Z	450	1100	SSW900G1100T5E3B	\$33,351	E19 (E1)			
550	1400	SSW061400T2257ESH2Z	550	1400	SSW900G1400T5E3B	\$42,863	E19 (E1)			
Input Power Supply: Three-Phase 460 Vac										
3-Ph, 460VAC	5	10	300%, 30 s, 10 Starts/hr, 55°C	SSW060010T2257ESZ	5	10	300%, 30 s, 10 Starts/hr, 55°C	SSW900A0010T5E2B	\$1,386	E19 (E1)
	10	16		SSW060016T2257ESZ	10	17		SSW900A0017T5E2B	\$1,429	E19 (E1)
	15	23		SSW060023T2257ESZ	15	24		SSW900A0024T5E2B	\$1,572	E19 (E1)
	20	30		SSW060030T2257ESZ	20	30		SSW900A0030T5E2B	\$1,703	E19 (E1)
	30	45		SSW060045T2257ESZ	30	45		SSW900B0045T5E2B ³	\$1,976	E19 (E1)
	40	60		SSW060060T2257ESZ	40	61		SSW900B0061T5E2B ³	\$2,181	E19 (E1)
	50/60/75	85		SSW060085T2257ESZ	50/60/75	85		SSW900B0085T5E2B ³	\$2,771	E19 (E1)
	-	-		-	75	105		SSW900B0105T5E2B ³	\$3,160	E19 (E1)
	100	130		SSW060130T2257ESZ	100	130		SSW900C0130T5E2B ³	\$3,547	E19 (E1)
	125	170		SSW060170T2257ESZ	125	171		SSW900C0171T5E2B ³	\$4,270	E19 (E1)
	150	205	SSW060205T2257ESZ	150	200	SSW900C0200T5E2B ³	\$5,354	E19 (E1)		
	200	255	SSW060255T2257ESZ	200	255	SSW900D0255T5E3B	\$7,188	E19 (E1)		
	250	312	SSW060312T2257ESZ	250	312	SSW900D0312T5E3B	\$7,896	E19 (E1)		
	300	365	SSW060365T2257ESZ	300	365	SSW900D0365T5E3B	\$8,721	E19 (E1)		
	350	412	SSW060412T2257ESZ	350	412	SSW900D0412T5E3B	\$9,465	E19 (E1)		
	400	480	SSW060480T2257ESZ	400	480	SSW900E0480T5E3B	\$11,730	E19 (E1)		
	500	604	SSW060604T2257ESZ	500	604	SSW900E0604T5E3B	\$13,082	E19 (E1)		
	550	670	SSW060670T2257ESZ	600	670	SSW900E0670T5E3B	\$14,878	E19 (E1)		
	700	820	SSW060820T2257ESZ	700	820	SSW900F0820T5E3B	\$17,573	E19 (E1)		
	800	950	SSW060950T2257ESH1Z	800	950	SSW900F0950T5E3B	\$26,592	E19 (E1)		
900	1100	SSW061100T2257ESH2Z	900	1100	SSW900G1100T5E3B	\$33,351	E19 (E1)			
1200	1400	SSW061400T2257ESH2Z	1200	1400	SSW900G1400T5E3B	\$42,863	E19 (E1)			

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) Must be used with ventilation kit.

SSW06
Soft Starters



Replace with



SSW900
Soft Starters

Motor Voltage	Motor HP ¹	Starter Amps ²	Duty Cycle	SSW06 Catalog Number	Motor HP ¹	Starter Amps ²	Duty Cycle	SSW900 Catalog Number	List Price	Multiplier New (Old)
Input Power Supply: Three-Phase 575 Vac										
3-Ph, 575VAC	7.5	10	300%, 30 s, 10 Starts/hr, 55°C	SSW060010T2257ESZ	7.5	10	300%, 30 s, 10 Starts/hr, 55°C	SSW900A0010T5E2B	\$1,386	E19 (E1)
	15	16		SSW060016T2257ESZ	15	17		SSW900A0017T5E2B	\$1,429	E19 (E1)
	20	23		SSW060023T2257ESZ	20	24		SSW900A0024T5E2B	\$1,572	E19 (E1)
	30	30		SSW060030T2257ESZ	30	30		SSW900A0030T5E2B	\$1,703	E19 (E1)
	40	45		SSW060045T2257ESZ	40	45		SSW900B0045T5E2B³	\$1,976	E19 (E1)
	60	60		SSW060060T2257ESZ	60	61		SSW900B0061T5E2B³	\$2,181	E19 (E1)
	75	85		SSW060085T2257ESZ	75	85		SSW900B0085T5E2B³	\$2,771	E19 (E1)
	-	-		-	100	105		SSW900B0105T5E2B³	\$3,160	E19 (E1)
	125	130		SSW060130T2257ESZ	125	130		SSW900C0130T5E2B³	\$3,547	E19 (E1)
	150	170		SSW060170T2257ESZ	150	171		SSW900C0171T5E2B³	\$4,270	E19 (E1)
	200	205	SSW060205T2257ESZ	200	200	SSW900C0200T5E2B³	\$5,354	E19 (E1)		
	250	255	SSW060255T2257ESZ	250	255	SSW900D0255T5E3B	\$7,188	E19 (E1)		
	300	312	SSW060312T2257ESZ	300	312	SSW900D0312T5E3B	\$7,896	E19 (E1)		
	350	365	SSW060365T2257ESZ	350	365	SSW900D0365T5E3B	\$8,721	E19 (E1)		
	450	412	SSW060412T2257ESZ	450	412	SSW900D0412T5E3B	\$9,465	E19 (E1)		
	500	480	SSW060480T2257ESZ	500	480	SSW900E0480T5E3B	\$11,730	E19 (E1)		
	650	604	SSW060604T2257ESZ	650	604	SSW900E0604T5E3B	\$13,082	E19 (E1)		
	750	670	SSW060670T2257ESZ	750	670	SSW900E0670T5E3B	\$14,878	E19 (E1)		
	850	820	SSW060820T2257ESZ	850	820	SSW900F0820T5E3B	\$17,573	E19 (E1)		
	1050	950	SSW060950T2257ESH1Z	1050	950	SSW900F0950T5E3B	\$26,592	E19 (E1)		
1200	1100	SSW061100T2257ESH2Z	1200	1100	SSW900G1100T5E3B	\$33,351	E19 (E1)			
1500	1400	SSW061400T2257ESH2Z	1500	1400	SSW900G1400T5E3B	\$42,863	E19 (E1)			
Input Power Supply: Three-Phase 690 Vac										
3-Ph, 690VAC 4	50	45	300%, 30 s, 10 Starts/hr, 55°C	SSW060045T5769ESZ	-	-	-	-	-	-
	75	60		SSW060060T5769ESZ	-	-	-	-	-	-
	100	85		SSW060085T5769ESZ	-	-	-	-	-	-
	150	130		SSW060130T5769ESZ	150	130	SSW900C0130T6E2B³	\$4,529	E19 (E1)	
	200	170		SSW060170T5769ESZ	200	171	SSW900C0171T6E2B³	\$5,705	E19 (E1)	
	250	205		SSW060205T5769ESZ	250	200	SSW900C0200T6E2B³	\$7,172	E19 (E1)	
	300	255		SSW060255T5769ESZ	300	255	SSW900D0255T6E3B	\$8,242	E19 (E1)	
	400	312		SSW060312T5769ESZ	400	312	SSW900D0312T6E3B	\$8,948	E19 (E1)	
	450	365		SSW060365T5769ESZ	450	365	SSW900D0365T6E3B	\$9,299	E19 (E1)	
	550	412	SSW060412T5769ESZ	550	412	SSW900D0412T6E3B	\$11,181	E19 (E1)		
	600	480	SSW060480T5769ESZ	600	480	SSW900E0480T6E3B	\$13,841	E19 (E1)		
	750	604	SSW060604T5769ESZ	750	604	SSW900E0604T6E3B	\$15,439	E19 (E1)		
	850	670	SSW060670T5769ESZ	850	670	SSW900E0670T6E3B	\$14,932	E19 (E1)		
	1000	820	SSW060820T5769ESZ	1000	820	SSW900F0820T6E3B	\$17,646	E19 (E1)		
	1200	950	SSW060950T5769ESH1Z	1200	950	SSW900F0950T6E3B	\$28,794	E19 (E1)		
	1400	1100	SSW061100T5769ESH2Z	1400	1100	SSW900G1100T6E3B	\$34,673	E19 (E1)		
	1700	1400	SSW061400T5769ESH2Z	1700	1400	SSW900G1400T6E3B	\$44,509	E19 (E1)		

Notes:

- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
- 3) Must be used with ventilation kit.
- 4) The 690VAC Soft Starters are not "UL Listed" and are non-stocked items. Please consult WEG for availability.