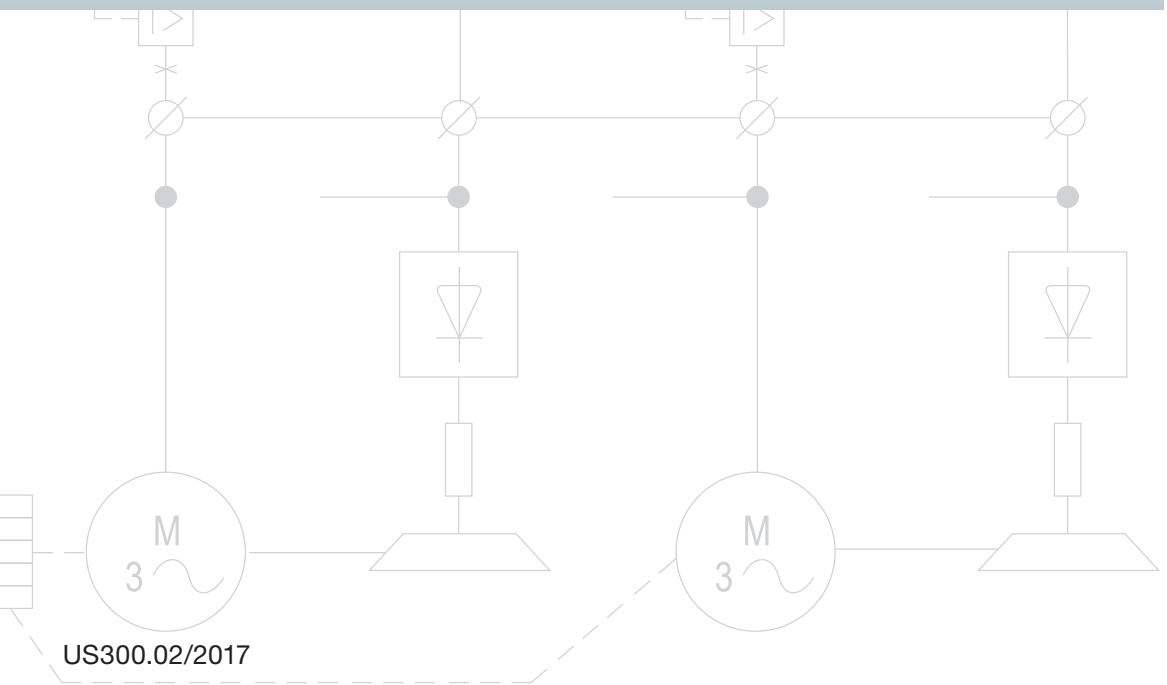
2017

Motors | Automation | Energy | Transmission & Distribution | Coatings

WEG Automation Catalog
LV Variable Frequency Drives and Soft Starters



US300.02/2017

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 warranty@weg.net

OPTIMAL MATCH WARRANTY

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

Drives and motors that qualify for this Optimal Match Warranty are W22 motors coupled with CFW11 up to 600HP (720A); all CFW700; all CFW08; and all CFW09 drives.

Soft starters and motors that qualify for this Optimal Match Warranty are W22 motors coupled with SSW06 up to 550HP (670A); SSW07 soft starters. This offer is available in the U.S. only.

Please fill in the following information completely, otherwise this application will be void. Please send this form to warranty@weg.net or fax it to WEG Service Department at (678) 249-1171.

This registration form is also available online. Go to www.weg.net/us and click on **OPTIMAL WARRANTY.**

Date		**Store #**	
Company		**Account #**	
Contact			
Email			

Location of Application					
Address					
City		**State**		**Zip**	

Order Information			
Purchase Date		**Order #**	

Product Information *(Once registered further information may be needed)*			
Drive		**Motor**	
Model #		**Model #**	
Serial #		**Serial #**	
Invoice #		**Invoice #**	

6655 Sugarloaf Parkway, Duluth, GA, 30097
Phone 678-249-2000 www.weg.net/us

HP	RPM	Frame	Voltage	Soft Starter Enclosure Rating: IP00 / IP20		Variable Frequency Drive Enclosure Rating: IP20/NEMA 1	
				Motor Wired for 230V	Motor Wired for 460V	Motor Wired for 230V	Motor Wired for 460V
0.25	3600	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NBN1
	1800	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NBN1
0.33	3600	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NBN1
	1800	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NBN1
0.5	3600	56	208-230/460			CFW100B02P6S220	CFW500A01P6T4NBN1
	1800	56	208-230/460			CFW100B02P6S220	CFW500A01P6T4NBN1
	1200	56	208-230/460			CFW100B02P6S220	CFW500A01P6T4NBN1
0.75	3600	56	208-230/460			CFW100C04P2S220	CFW500A01P6T4NBN1
	1800	56	208-230/460			CFW100C04P2S220	CFW500A01P6T4NBN1
	1200	56	208-230/460			CFW100C04P2S220	CFW500A01P6T4NBN1
1	3600	56	208-230/460			CFW100C04P2S220	CFW500A02P6T4NBN1
	1800	56	208-230/460			CFW100C04P2S220	CFW500A02P6T4NBN1
	1800	143T	208-230/460			CFW100C04P2S220	CFW500A02P6T4NBN1
	1200	56	208-230/460			CFW100C04P2S220	CFW500A02P6T4NBN1
	1200	145T	208-230/460			CFW100C04P2S220	CFW500A02P6T4NBN1
1.5	3600	143T	208-230/460	SSW050010T2246EPZ		CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
	1800	56	208-230/460	SSW050010T2246EPZ		CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
	1800	145T	208-230/460	SSW050010T2246EPZ		CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
	1200	182T	208-230/460	SSW050010T2246EPZ		CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
2	3600	145T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
	1800	56	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
	1800	145T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
	1200	184T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B07P3B2DBN1	CFW500A04P3T4NBN1
3	3600	182T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B10P0B2DBN1	CFW500B06P5T4DBN1
	1800	182T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B10P0B2DBN1	CFW500B06P5T4DBN1
	1200	213T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B10P0B2DBN1	CFW500B06P5T4DBN1
5	3600	184T	208-230/460	SSW050016T2246EPZ	SSW050010T2246EPZ	CFW500B16P0T2DBN1	CFW500B10P0T4DBN1
	1800	184T	208-230/460	SSW050016T2246EPZ	SSW050010T2246EPZ	CFW500B16P0T2DBN1	CFW500B10P0T4DBN1
	1200	215T	208-230/460	SSW050016T2246EPZ	SSW050010T2246EPZ	CFW500B16P0T2DBN1	CFW500B10P0T4DBN1
7.5	3600	213T	208-230/460	SSW050023T2246EPZ	SSW050016T2246EPZ	CFW500C24P0T2DBN1	CFW500C14P0T4DBN1
	1800	213T	208-230/460	SSW050023T2246EPZ	SSW050016T2246EPZ	CFW500C24P0T2DBN1	CFW500C14P0T4DBN1
	1200	254T	208-230/460	SSW050023T2246EPZ	SSW050016T2246EPZ	CFW500C24P0T2DBN1	CFW500C14P0T4DBN1
10	3600	215T	208-230/460	SSW050030T2246EPZ	SSW050016T2246EPZ	CFW500D28P0T2DBN1	CFW500C16P0T4DBN1
	1800	215T	208-230/460	SSW050030T2246EPZ	SSW050016T2246EPZ	CFW500D28P0T2DBN1	CFW500C16P0T4DBN1
	1200	256T	208-230/460	SSW050030T2246EPZ	SSW050016T2246EPZ	CFW500D28P0T2DBN1	CFW500C16P0T4DBN1
15	3600	254T	208-230/460	SSW050045T2246EPZ	SSW050023T2246EPZ	CFW500D47P0T2DBN1	CFW500D24P0T4DBN1
	1800	254T	208-230/460	SSW050045T2246EPZ	SSW050023T2246EPZ	CFW500D47P0T2DBN1	CFW500D24P0T4DBN1
	1200	284T	208-230/460	SSW050045T2246EPZ	SSW050023T2246EPZ	CFW500D47P0T2DBN1	CFW500D24P0T4DBN1
20	3600	256T	208-230/460	SSW050060T2246EPZ	SSW050030T2246EPZ	CFW700C54P0T2DBN1	CFW500D31P0T4DBN1
	1800	256T	208-230/460	SSW050060T2246EPZ	SSW050030T2246EPZ	CFW700C54P0T2DBN1	CFW500D31P0T4DBN1
	1200	286T	208-230/460	SSW050060T2246EPZ	SSW050030T2246EPZ	CFW700C54P0T2DBN1	CFW500D31P0T4DBN1

HP	RPM	Frame	Voltage	Soft Starter Enclosure Rating: IP00 / IP20		Variable Frequency Drive Enclosure Rating: IP20/NEMA 1	
				Motor Wired for 230V	Motor Wired for 460V	Motor Wired for 230V	Motor Wired for 460V
25	3600	284TS	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700C70P0T2DBN1	CFW700C38P0T4DBN1
	1800	284T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700C70P0T2DBN1	CFW700C38P0T4DBN1
	1200	324T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700C70P0T2DBN1	CFW700C38P0T4DBN1
30	3600	286TS	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700D86P0T2DBN1	CFW700C45P0T4DBN1
	1800	286T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700D86P0T2DBN1	CFW700C45P0T4DBN1
	1200	326T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700D86P0T2DBN1	CFW700C45P0T4DBN1
40	3600	324TS	208-230/460	SSW070130T5SZ	SSW050060T2246EPZ	CFW700D0105T2DBN1	CFW700C58P5T4DBN1
	1800	324T	208-230/460	SSW070130T5SZ	SSW050060T2246EPZ	CFW700D0105T2DBN1	CFW700C58P5T4DBN1
	1200	364T	208-230/460	SSW070130T5SZ	SSW050060T2246EPZ	CFW700D0105T2DBN1	CFW700C58P5T4DBN1
50	3600	326TS	208-230/460	SSW070130T5SZ	SSW050085T2246EPZ	CFW700E142T2NBN1C3	CFW700D70P5T4DBN1
	1800	326T	208-230/460	SSW070130T5SZ	SSW050085T2246EPZ	CFW700E142T2NBN1C3	CFW700D70P5T4DBN1
	1200	365T	208-230/460	SSW070130T5SZ	SSW050085T2246EPZ	CFW700E142T2NBN1C3	CFW700D70P5T4DBN1
60	3600	364TS	208-230/460	SSW070171T5SZ	SSW050085T2246EPZ	CFW700E180T2NBN1C3	CFW700D88P0T4DBN1
	1800	364T	208-230/460	SSW070171T5SZ	SSW050085T2246EPZ	CFW700E180T2NBN1C3	CFW700D88P0T4DBN1
	1200	404T	208-230/460	SSW070171T5SZ	SSW050085T2246EPZ	CFW700E180T2NBN1C3	CFW700D88P0T4DBN1
75	3600	365TS	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NBN1C3	CFW700E105T4NBN1C3
	1800	365T	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NBN1C3	CFW700E105T4NBN1C3
	1200	405T	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NBN1C3	CFW700E105T4NBN1C3
100	3600	405TS	208-230/460	SSW070255T5SZ	SSW070130T5SZ		CFW700E142T4NBN1C3
	1800	405T	208-230/460	SSW070255T5SZ	SSW070130T5SZ		CFW700E142T4NBN1C3
	1200	444T	208-230/460	SSW070255T5SZ	SSW070130T5SZ		CFW700E142T4NBN1C3
125	3600	444TS	460	SSW070312T5SZ	SSW070171T5SZ		CFW700E180T4NBN1C3
	1800	444T	460	SSW070312T5SZ	SSW070171T5SZ		CFW700E180T4NBN1C3
	1200	445T	460	SSW070312T5SZ	SSW070171T5SZ		CFW700E180T4NBN1C3
150	3600	445TS	460	SSW070365T5SZ	SSW070200T5SZ		CFW700E211T4NBN1C3
	1800	445T	460	SSW070365T5SZ	SSW070200T5SZ		CFW700E211T4NBN1C3
	1200	447T	460	SSW070365T5SZ	SSW070200T5SZ		CFW700E211T4NBN1C3
200	3600	447TS	460		SSW070255T5SZ		CFW110242T4SZ
	1800	447T	460		SSW070255T5SZ		CFW110242T4SZ
	1200	447T	460		SSW070255T5SZ		CFW110242T4SZ
250	3600	447TS	460		SSW070312T5SZ		CFW110312T4SZ
	1800	447T	460		SSW070312T5SZ		CFW110312T4SZ
	1200	449T	460		SSW070312T5SZ		CFW110312T4SZ
300	3600	449TS	460		SSW070365T5SZ		CFW110370T4SZ
	1800	449T	460		SSW070365T5SZ		CFW110370T4SZ
	1200	449T	460		SSW070365T5SZ		CFW110370T4SZ

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CFW08 Plus and CFW09 Replacement Guide

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My Notes:

CFW10

The WEG Digital CFW10 VFD Series is a very small, easily mounted package, simplified keypad and bright LED readout, complete diagnostics and fully programmable I/O. The CFW10 controls three phase AC motors with a single phase AC input. Single phase 120V AC input voltage will produce three phase 230V to drive motors up to 1 HP and single phase 230 Vac will produce three phase 230V to drive motors up to 3 HP. Increased flexibility and decreased costs are achieved by eliminating the need for a step-up transformer to operate three phase 230 Vac motors when only single phase 115V is available. The CFW10 is an economical solution to many industrial and commercial applications.

Standard Features

- Same programming as other WEG VFD's
- V/Hz control
- IP20 finger safe enclosure
- Single Phase 110-120 Vac input voltage up to 1 HP
- Single Phase 200–240 Vac input voltage up to 3 HP
- 150% current overload capacity
- 2.5-15 kHz adjustable switching frequency
- Four isolated programmable digital inputs (12 Vdc)
- Programmable relay output (250 Vac 0.5A/125 Vac 1.0A or 30 Vdc 2.0A)
- One isolated programmable analog input (0-10V 0/4-20mA)
- Diagnostic features: Over current, motor overload, drive over temperature, output 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, minimum and maximum adjustable frequency limits, adjustable output current limit, JOG, PID Controller
- Display readings: Motor speed, frequency, voltage, current, last fault, heatsink temperature and drive status
- Ambient: 122°F (50°C), 3300 ft (1000 m) altitude, 90% humidity, non-condensing

Applications

- Pumps
- Fans
- Blowers
- Conveyors
- Roller tables

Variable Frequency Drives

CFW10

CFW10 Catalog Number Sequence

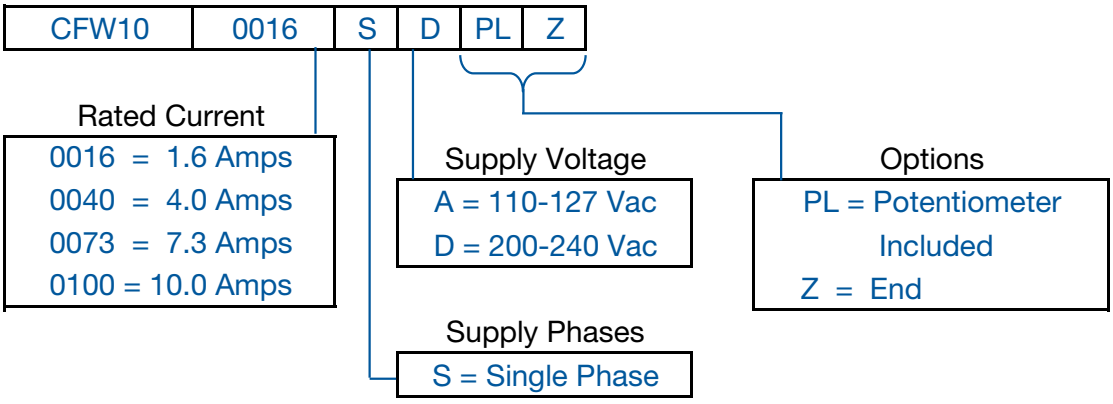


Table intended as reference only and not to create part numbers.

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
230 Vac Single Phase	**Input Power Supply: Single-Phase 120 Vac**							
	1/4	1.6	CFW100016SAZ	1	5.2 x 3.8 x 4.8	2	**$359**	V1
	1/2	2.6	CFW100026SAZ	1	5.2 x 3.8 x 4.8	2	**$386**	V1
	1	4.0	CFW100040SAZ	2	6.4 x 4.6 x 4.4	3	**$584**	V1
	Input Power Supply: Single-Phase 230 Vac							
	1/4	1.6	CFW100016SDZ	1	5.2 x 3.8 x 4.8	2	**$312**	V1
	1/2	2.6	CFW100026SDZ	1	5.2 x 3.8 x 4.8	2	**$336**	V1
	1	4.0	CFW100040SDZ	1	5.2 x 3.8 x 4.8	2	**$359**	V1
	2	7.3	CFW100073SDZ	2	6.4 x 4.6 x 4.4	3	**$531**	V1
	3	10.0	CFW100100SDZ	3	7.6 x 4.6 x 4.8	4	**$632**	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.
For other technical data please refer to WEG product manual.

IP20 Finger-Safe Enclosure – With Potentiometer

Motor Voltage	Motor HP [1]	Drive Amps [2]	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs)	List Price	Multiplier
230 Vac Single Phase	**Input Power Supply: Single-Phase 120 Vac**							
	1/4	1.6	CFW100016SAPLZ	1	5.2 x 3.8 x 4.8	2	**$378**	V1
	1/2	2.6	CFW100026SAPLZ	1	5.2 x 3.8 x 4.8	2	**$405**	V1
	1	4.0	CFW100040SAPLZ	2	6.4 x 4.6 x 4.4	3	**$614**	V1
	Input Power Supply: Single-Phase 230 Vac							
	1/4	1.6	CFW100016SDPLZ	1	5.2 x 3.8 x 4.8	2	**$328**	V1
	1/2	2.6	CFW100026SDPLZ	1	5.2 x 3.8 x 4.8	2	**$352**	V1
	1	4.0	CFW100040SDPLZ	1	5.2 x 3.8 x 4.8	2	**$376**	V1
	2	7.3	CFW100073SDPLZ	2	6.4 x 4.6 x 4.4	3	**$557**	V1
	3	10.0	CFW100100SDPLZ	3	7.6 x 4.6 x 4.8	4	**$663**	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.
For other technical data please refer to WEG product manual.

Variable Frequency Drives

CFW10

Technical Data

Power Supply	Voltage	Single phase	110-127 Vac (+10%, -15%)
		Single phase	200-240 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.98	
Enclosure	Degree of Protection	IP20	
Control	Control Mode	Linear or Quadratic V/Hz	
	Power Output	IGBT Transistors	
	Sinusoidal PWM (Space Vector Modulation)		
	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		
	1 programmable differential analog input: 0-10V, 0-20mA or 4-20mA		
Control Outputs	1 programmable relay output: Form C contacts rated 250V / 0.5A		
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°F (0°C), up to 122°F (50°C) without output current derating	
	Humidity	5-90% 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	
	ENC61800-3 for the FA version - optional		
	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 limit, 8 present speeds and JOG, PID Controller		
Keypad	3 digit display, 2 indication LEDs and 4 keys		
	Readouts for: output freqency (Hz), output current (A), output voltage (V), value proportional to frequency (Ex: RPM), heatsink temperature, fault and status messages.		
Mounting	Surface mounting with screws		

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

Variable Frequency Drives

CFW100

CFW100 Catalog Number Sequence

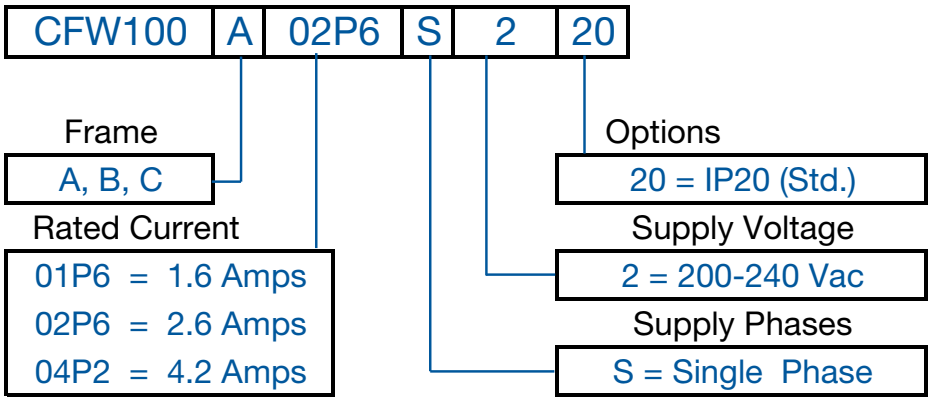


Table intended as reference and not to create part numbers.

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
230 Vac Three Phase	Input Power Supply: Single-Phase 240 Vac							
	1/4 - 1/3	1.6	CFW100A01P6S220	A	4.0 x 2.2 x 5.1	1.1	$302	V1
	3/4	2.6	CFW100B02P6S220	B	4.6 x 2.2 x 5.1	1.3	$346	V1
	1	4.2	CFW100C04P2S220	C	5.0 x 2.2 x 5.1	1.4	$396	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.
For other technical data please refer to WEG product manual.

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs.)	List Price	Multiplier
I/O	CFW100-IOAR	CFW100 IOAR I/O Exp. Module	0.2	$74	V1
I/O	CFW100-IODR	I/O Expansion and Incremental Encoder Input Module	0.2	$220	V1
InfraRed	CFW100-IOADR	InfraRed Communication Module with I/O [1]	0.2	$230	V1
CANopen/DevicenetCard	CFW100-CCAN	CFW100 CANopen / Devicenet Comm. Module	0.2	$195	V1
RS485 Card	CFW100-CRS485	CFW100 RS-485 Comm. Module	0.2	$82	V1
USB Card	CFW100-CUSB	CFW100 USB Comm. Module [2]	0.2	$128	V1
Flash Memory Module	CFW100-MMF	CFW100 Flash Memory Module	0.2	$210	V1
Remote Keypad Kit	CFW100-KHMIR	CFW100 Remote Keypad Kit [3]	0.4	$256	V1

Notes:
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

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

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

Variable Frequency Drives

CFW100

Technical Data

Power Supply	Voltage	Single Phase	200-240 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 VVW	
	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
	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	5-90% 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 freqency (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	
	Bluetooth®	CFW100-CBLT Optional Plug-in Module	

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 A1

- 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

Variable Frequency Drives

CFW08 WASH

CFW08 WASH Catalog Number Sequence

CFW08	0016	B	D	N4	A1	Z

Rated Current

0016 = 1.6 Amps
0026 = 2.6 Amps
0040 = 4.0 Amps
0073 = 7.3 Amps
0100 = 10.0 Amps
0240 = 24.0 Amps
0300 = 30.0 Amps

Supply Voltage

D = 200-240 Vac
G = 380-480 Vac
H = 500-600 Vac

Supply Phases

B = 1 or 3 Phase
T = Three Phase

Options

N4 = NEMA 4X
A1 = Plus Version
Z = End

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

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
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**	V1
	3	10.0	CFW080100BDN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	**$1,039**	V1
	Input Power Supply: Three-Phase 230 Vac								
	5	16	CFW080160TDN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	**$1,228**	V1
	7 1/2	22	CFW080220TDN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$1,769**	V1
	10	28	CFW080280TDN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$2,266**	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**	V1
	2	4.3	CFW080043TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	**$1,118**	V1
	3	6.5	CFW080065TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	**$1,331**	V1
	5	10	CFW080100TGN4A1Z	Yes	A	10.4 x 6.5 x 8.5	5	**$1,516**	V1
	7 1/2	13	CFW080130TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$1,856**	V1
	10	16	CFW080160TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$2,144**	V1
	15	24	CFW080240TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$2,876**	V1
	20	30	CFW080300TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$3,474**	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**	V1
	2	3.0	CFW080030THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$1,421**	V1
	3	4.3	CFW080043THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$1,485**	V1
	5	7.0	CFW080070THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$1,767**	V1
	7 1/2	10	CFW080100THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$2,077**	V1
	10	12	CFW080120THN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	**$2,388**	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.

Variable Frequency Drives

CFW08 WASH

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
Keypad	HMI-CFW08-RS	NEMA12 Remote Keypad (requires MIS-CFW08-RS & cable)	$135	V1
	MIS-CFW08-RS	Remote Keypad Interface	$64	V1
	TCL-CFW08	Keypad Cover	$13	V1
	CAB-RS-1	3.3 ft (1m) Remote Keypad Cable	$23	V1
	CAB-RS-2	6.6 ft (2m) Remote Keypad Cable	$31	V1
	CAB-RS-3	9.9 ft (3m) Remote Keypad Cable	$41	V1
	CAB-RS-5	16 ft (3m) Remote Keypad Cable	$51	V1
	CAB-RS-7.5	25 ft (7.5m) Remote Keypad Cable	$62	V1
	CAB-RS-10	33 ft (10m) Remote Keypad Cable	$72	V1
I/O	KAC-120-CFW08	120VAC Digital Input Adaptor Board (4 inputs)	$145	V1
Communication	KCS-CFW08	RS-232 Serial Comm. Module (mounted in place of keypad)	$97	V1
	MIW-02	RS-232/485 Converter (mounted externally)	$221	V1
	KSD-CFW08	PC Communication Kit	$124	V1
	KRS-485-CFW08	Interface for RS-485 Communication	$186	V1
DC Power Supply	KDC-24V-CFW08	24VDC power supply with standard CFW08 HMI integrated	$177	V1
	KDC-24VR-CFW08	24VDC power supply with interface for remote keypad	$211	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	Z5

10% Duty Cycle

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

Variable Frequency Drives

CFW08 WASH

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 VVW	
	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	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	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 or DIN rail mounting		

CFW500

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

Applications

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

Variable Frequency Drives

CFW500

CFW500 Catalog Number Sequence

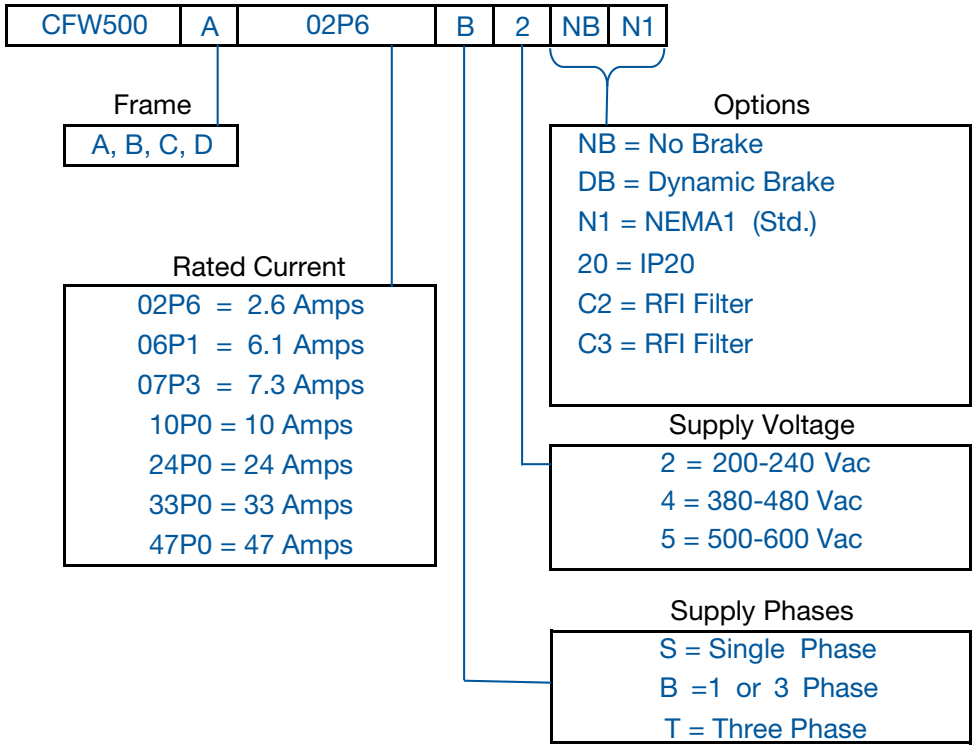


Table intended as reference and not to create part numbers.

NEMA 1 Enclosure

Motor Voltage	Motor HP [1]	Drive Amps [2]	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
230 Vac	**Input Power Supply: Single-Phase 200-240 Vac**								
	1/3	1.6	CFW500A01P6S2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$451	V1
	3/4	2.6	CFW500A02P6S2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$463	V1
	1 1/2	4.3	CFW500A04P3S2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$499	V1
	2	7.0	CFW500A07P0S2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$633	V1
	Input Power Supply: Single or Three-Phase 200-240 Vac								
	1/3	1.6	CFW500A01P6B2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$456	V1
	3/4	2.6	CFW500A02P6B2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$467	V1
	1 1/2	4.3	CFW500A04P3B2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$506	V1
	2	7.3	CFW500B07P3B2DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$678	V1
	3	10.0	CFW500B10P0B2DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$789	V1
	Input Power Supply: Three-Phase 200-240 Vac								
	2	7.0	CFW500A07P0T2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$628	V1
	3	9.6	CFW500A09P6T2NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$773	V1
	5	16	CFW500B16P0T2DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$842	V1
	7 1/2	24	CFW500C24P0T2DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,427	V1
	10	28	CFW500D28P0T2DBN1	Yes	D	14.3 x 7.1 x 6.6	10.2	$1,777	V1
	10	33	CFW500D33P0T2DBN1	Yes	D	14.3 x 7.1 x 6.6	10.2	$2,146	V1
	15	47	CFW500D47P0T2DBN1	Yes	D	14.3 x 7.1 x 6.6	10.2	$2,910	V1
460 Vac	**Input Power Supply: Three-Phase 380-480 Vac**								
	1/2	1.0	CFW500A01P0T4NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$582	V1
	1	1.6	CFW500A01P6T4NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$604	V1
	2	2.6	CFW500A02P6T4NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$649	V1
	3	4.3	CFW500A04P3T4NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$799	V1
	3	6.1	CFW500A06P1T4NBN1	No	A	8.8 x 3.0 x 5.9	2.4	$982	V1
	2	2.6	CFW500B02P6T4DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$708	V1
	3	4.3	CFW500B04P3T4DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$892	V1
	5	6.5	CFW500B06P5T4DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$1,067	V1
	7 1/2	10	CFW500B10P0T4DBN1	Yes	B	9.6 x 3.9 x 6.3	3.3	$1,207	V1
	10	14	CFW500C14P0T4DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,495	V1
	10	16	CFW500C16P0T4DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,684	V1
	15	24	CFW500D24P0T4DBN1	Yes	D	14.3 x 7.1 x 6.6	10.2	$2,229	V1
	25	31	CFW500D31P0T4DBN1	Yes	D	14.3 x 7.1 x 6.6	10.2	$2,783	V1
575 Vac [3]	**Input Power Supply: Three-Phase 500-600 Vac**								
	1 1/2	1.7	CFW500C01P7T5DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$910	V1
	3	3.0	CFW500C03P0T5DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$954	V1
	3	4.3	CFW500C04P3T5DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,073	V1
	7 1/2	7.0	CFW500C07P0T5DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,276	V1
	10	10.0	CFW500C10P0T5DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,621	V1
	10	12.0	CFW500C12P0T5DBN1	Yes	C	10.0 x 5.3 x 6.5	5.3	$1,813	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.

Variable Frequency Drives

CFW500

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
I/O	CFW500-IOS [1]	4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	$110	V1
I/O	CFW500-IOD	8 DI, 1 AI, 1 AO, 1 DOR, 4 DOT, 1 RS485, 10vdc, 24vdc	$141	V1
I/O	CFW500-IOAD	6 DI, 3 AI, 2 AO, 1 DOR, 3 DOT, 1 RS485, 10vdc, 24vdc	$182	V1
I/O	CFW500-IOR	5 DI, 1 AI, 1 AO, 4 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	$125	V1
USB Card	CFW500-CUSB	4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 USB, 1 RS485, 10vdc, 24vdc	$210	V1
CANopen / Devicenet Card	CFW500-CCAN	2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 CAN/DeviceNet, 1 RS485, 10vdc, 24vdc	$138	V1
RS232 Card	CFW500-CRS232	4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 RS232, 1 RS485, 24vdc	$138	V1
RS485 Card	CFW500-CRS485	4 DI, 2 AI, 1 AO, 2 DOR, 1 DOT, 2 RS485, 10vdc, 24vdc	$143	V1
Profibus DP Card	CFW500-CPDP	2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 Profibus DP, 1 RS485, 24vdc	$405	V1
Profibus DP & DP-V1 Module	CFW500-CPDP2	Terminal Block Connections; 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-Profibus DP & DP-V1 100BASE TX RJ-45 Port, 24vdc	$445	V1
Modbus TCP Comm. Module	CFW500-CEMB-TCP	2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-Modbus TCP 100BASE TX RJ-45 Port, 24vdc	$499	V1
ProfiNet I/O Comm. Module	CFW500-CEPN-IO	2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-ProfiNet I/O 100BASE TX RJ-45 Port, 24vdc	$499	V1
EtherNet IP Comm. Module	CFW500-CETH-IP	2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-EtherNet IP 100BASE TX RJ-45 Port, 24vdc	$499	V1
Flash Memory Module	CFW500-MMF	Flash Memory Module for saving and reloading program and parameters to / from CFW500 drive	$189	V1
Remote Keypad	CFW500-HMIR [2]	Remote Keypad for mounting through enclosure door	$169	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	Z5
HMI Cable 1M	CFW500-CCHMIR01M	3.3 ft (1 meter) Remote Keypad Cable	$23	V1
HMI Cable 2M	CFW500-CCHMIR02M	6.6 ft (2 meter) Remote Keypad Cable	$31	V1
HMI Cable 3M	CFW500-CCHMIR03M	9.9 ft (3 meter) Remote Keypad Cable	$41	V1
HMI Cable 5M	CFW500-CCHMIR05M	16 ft (5 meter) Remote Keypad Cable	$51	V1
HMI Cable 7.5M	CFW500-CCHMIR075M	25 ft (7.5 meter) Remote Keypad Cable	$61	V1
HMI Cable 10M	CFW500-CCHMIR010M	33 ft (10 meter) Remote Keypad Cable	$72	V1
USB Comm. Cable 2M	CFW500-USB02M	USB Communication Cable, 6.6 ft (2 meter) length	$50	V1
NEMA 1 Conduit Kit	CFW500-KN1A	NEMA 1 kit – Frame Size A	$28	V1
	CFW500-KN1B	NEMA 1 kit – Frame Size B	$33	V1
	CFW500-KN1C	NEMA 1 kit – Frame Size C	$44	V1
	CFW500-KN1D	NEMA 1 kit – Frame Size D	$59	V1
Cable Sheild Clamp Kit	CFW500-KPCSA	Cable Sheild Clamp Kit for Frame A	$41	V1
	CFW500-KPCSB	Cable Sheild Clamp Kit for Frame B	$44	V1
	CFW500-KPCSC	Cable Sheild Clamp Kit for Frame C	$46	V1
	CFW500-KPCSD	Cable Sheild Clamp Kit for Frame D	$51	V1

Notes:
1) CFW500-IOS I/O Module is included as standard with CFW500 Drives
2) CFW500-HMIR Remote Keypad requiires Qty. (1) CFW500-CCHIR0xM Cable. ("x" represents the cable length in meters)

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 1	
	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	5-90% 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		

Variable Frequency Drives

CFW500

My Notes:

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

Applications

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

Variable Frequency Drives

CFW700

CFW700 Catalog Number Sequence

CFW700	B	24P0	T	2	DB	N1	Y1

Frame
A, B, C, D, E

Rated Current
03P6 = 3.6 Amps
05P0 = 5.0 Amps
10P0 = 10.0 Amps
24P0 = 24 Amps
33P5 = 33.5 Amps
45P0 = 45 Amps
58P5 = 58.5 Amps
70P0 = 70 Amps
0105 = 105 Amps
0142 = 142 Amps
0211 = 211 Amps

Options
NB = No Brake
DB = Dynamic Brake
N1 = NEMA1 (Std.)
20 = IP20
C3 = RFI Filter
Y1 = Safe Stop (STO)
W1 = External 24Vdc

Supply Voltage
2 = 200-240 Vac
4 = 380-480 Vac
5 = 500-600 Vac

Supply Phases
S = Single Phase
B = 1 or 3 Phase
T = Three Phase

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

NEMA 1 Enclosure

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
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	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	5.0	CFW700A06P0B2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,370	V1
	2	7.0	2	7.0	CFW700A07P0B2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,430	V1
	Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor										
	3	10	3	10	CFW700A10P0S2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,510	V1
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	2	7.0	1 1/2	5.5	CFW700A07P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,350	V1
	3	10	2	8.0	CFW700A10P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,410	V1
	5	13	3	11	CFW700A13P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,440	V1
	5	16	5	13	CFW700A16P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,542	V1
	7 1/2	24	7 1/2	20	CFW700B24P0T2DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,020	V1
	10	28	10	24	CFW700B28P0T2DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,201	V1
	10	33.5	10	28	CFW700B33P5T2DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,600	V1
	15	45	15	36	CFW700C45P0T2DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	$2,900	V1
	20	54	20	45	CFW700C54P0T2DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	$3,700	V1
	25	70	20	56	CFW700C70P0T2DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	$4,880	V1
	30	86	25	70	CFW700D86P0T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$6,101	V1
	40	105	30	86	CFW700D0105T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$8,100	V1
	50	142	40	115	CFW700E142T2DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$11,500	V1
	60	180	50	142	CFW700E180T2DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$15,500	V1
	75	211	60	180	CFW700E211T2DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$21,222	V1
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor										
	50	142	40	115	CFW700E142T2NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$10,101	V1
	60	180	50	142	CFW700E180T2NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$12,999	V1
	75	211	60	180	CFW700E211T2NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$18,555	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.

Variable Frequency Drives

CFW700

NEMA 1 Enclosure

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
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
460 Vac	2	3.6	2	3.6	CFW700A03P6T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,350	V1
	3	5.0	3	5.0	CFW700A05P0T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,444	V1
	5	7.0	3	5.5	CFW700A07P0T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,510	V1
	7 1/2	10	5	10	CFW700A10P0T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,600	V1
	10	13.5	7 1/2	11	CFW700A13P5T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,711	V1
	10	17	10	13.5	CFW700B17P0T4DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,055	V1
	15	24	10	19	CFW700B24P0T4DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,455	V1
	20	31	15	25	CFW700B31P0T4DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$3,450	V1
	25	38	20	33	CFW700C38P0T4DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	$3,888	V1
	30	45	25	38	CFW700C45P0T4DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	$5,000	V1
	40	58.5	30	47	CFW700C58P5T4DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	$5,800	V1
	50/60	70.5	40	61	CFW700D70P5T4DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$6,888	V1
	60/75	88	50	73	CFW700D88P0T4DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$8,100	V1
	75	105	75	88	CFW700E105T4DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$11,989	V1
	100/125	142	75	115	CFW700E142T4DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$14,989	V1
	150	180	100	142	CFW700E180T4DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$20,989	V1
	175	211	150	180	CFW700E211T4DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$25,989	V1
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
	75	105	75	88	CFW700E105T4NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$9,999	V1
	100/125	142	75	115	CFW700E142T4NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$12,000	V1
	150	180	100	142	CFW700E180T4NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$15,400	V1
	175	211	150	180	CFW700E0211T4NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$18,787	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.

NEMA 1 Enclosure

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
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
	Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor										
575 Vac [4]	2	2.9	2	2.7	CFW700B02P9T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$1,689	V1
	3	4.2	3	3.8	CFW700B04P2T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$1,759	V1
	7 1/2	7.0	5	6.5	CFW700B07P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$1,874	V1
	10	10	7 1/2	9.0	CFW700B10P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,048	V1
	10	12	10	10	CFW700B12P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,171	V1
	15	17	15	17	CFW700B17P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	$2,552	V1
	20	22	20	19	CFW700D22P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$4,235	V1
	25	27	20	22	CFW700D27P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$4,506	V1
	30	32	25	27	CFW700D32P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$6,486	V1
	40	44	30	36	CFW700D44P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	$7,309	V1
	50	53	40	44	CFW700E53P0T5DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$9,118	V1
	60	63	50	53	CFW700E63P0T5DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$11,580	V1
	75	80	75	66	CFW700E80P0T5DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$12,091	V1
	100	107	100	90	CFW700E0107T5DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$16,240	V1
	125	125	100	107	CFW700E0125T5DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$16,910	V1
	150	150	125	122	CFW700E0150T5DBN1C3	Yes	E [5]	26.6 x 13.2 x 14.1	143	$23,456	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	V1
	25	27	20	22	CFW700D27P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	$4,450	V1
	30	32	25	27	CFW700D32P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	$5,763	V1
	40	44	30	36	CFW700D44P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2	$6,768	V1
	50	53	40	44	CFW700E53P0T5NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$8,446	V1
	60	63	50	53	CFW700E63P0T5NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$10,728	V1
	75	80	75	66	CFW700E80P0T5NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$11,200	V1
	100	107	100	90	CFW700E0107T5NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$15,042	V1
	125	125	100	107	CFW700E0125T5NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$15,662	V1
	150	150	125	122	CFW700E0150T5NBN1C3	No	E [5]	26.6 x 13.2 x 14.1	143	$21,723	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.

Variable Frequency Drives

CFW700

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
Communication	CAN-01	CAN interface module (CANopen/DeviceNet) (CFW11 & CFW700)	$410	V1
	PROFIBUS DP-01	Profibus DP-V1 interface module (CFW11 & CFW700)	$520	V1
I/O	CCK-01	Relay Output Module for CFW700 and CFW701, 2 Form C Relay Outputs	$105	V1
Flash Memory	MMF-02	Flash Memory Module for CFW700 and CFW701	$71	V1
Keypad and Accessories	HMI-02	CFW700 Standard Keypad with USB	$320	V1
	RHMIF-02	CFW700 Remote Keypad Frame Kit	$69	V1
	HMI-03	CFW700 Standard Keypad with USB for CFW701	$320	V1
	RHMIF-03	CFW700 Remote Keypad Frame Kit for CFW701	$69	V1
	HMID-01	Blank Keypad Cover for Keypad Slot (CFW11, CFW700 & CFW701)	$54	V1
Remote Keypad Cable	IHM-CAB-RS-1M	3.3 ft (1 meter) Remote Keypad Cable (CFW11 & CFW700)	$54	V1
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable (CFW11 & CFW700)	$60	V1
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11 & CFW700)	$66	V1
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11 & CFW700)	$75	V1
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable (CFW11 & CFW700)	$90	V1
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11 & CFW700)	$102	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	Z5
Conduit Kit	KN1A-02	1 Conduit Kit for frame size A with power cables shielding	$125	V1
	KN1B-02	1 Conduit Kit for frame size B with power cables shielding	$125	V1
	KN1C-02	1 Conduit Kit for frame size C with power cables shielding	$142	V1
	KN1E-01	1 Top cover kit for frame size E (105 & 142A)	$78	V1
	KN1E-02	1 Top cover kit plus Conduit kit for frame size E (180 & 211A)	$213	V1
	KIP21D-01	IP21 Kit for Frame size D (top cover) (CFW11 & CFW700)	$120	V1
Cable Shield Kit	PCSA-01	Power Cables Shielding Kit for frame size A (CFW11 & CFW700)	$48	V1
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11 & CFW700)	$51	V1
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11 & CFW700)	$54	V1
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11 & CFW700)	$56	V1
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11 & CFW700)	$76	V1

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 1	
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	5-90% 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, 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		

Variable Frequency Drives

Dynamic Braking Resistors for CFW700

NON-STOCK (call for lead time)

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
230 Vac	1 1/2	CFW110006B2ON1Z	CFDB2-125-224	125	224	5 x 12 x 5	$520	V1
	2	CFW110007B2ON1Z	CFDB2-95-298	95	298	5 x 12 x 7	$749	V1
	2	CFW110007T2ON1Z	CFDB2-95-298	95	298	5 x 12 x 7	$749	V1
	3	CFW110010S2ON1Z	CFDB2-63-448	63	448	5 x 12 x 7	$749	V1
	3	CFW110010T2ON1Z	CFDB2-63-448	63	448	5 x 12 x 7	$749	V1
	5	CFW110013T2ON1Z	CFDB2-38-746	38	746	5 x 12 x 10	$941	V1
	5	CFW110016T2ON1Z	CFDB2-38-746	38	746	5 x 12 x 10	$941	V1
	7 1/2	CFW110024T2ON1Z	CFDB2-26-119	26	119	5 x 12 x 13	$1,130	V1
	10	CFW110028T2ON1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	$1,322	V1
	10	CFW110033T2ON1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	$1,322	V1
	15	CFW110045T2ON1Z	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	$1,644	V1
	20	CFW110054T2ON1Z	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	$1,644	V1
	25	CFW110070T2ON1Z	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	$1,997	V1
	30	CFW110086T2ON1Z	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	$2,588	V1
	40	CFW110105T2ON1Z	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	$3,269	V1
	50	CFW110142T2ON1DBZ	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	$3,820	V1
	60	CFW110180T2ON1DBZ	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	$3,820	V1
	75	CFW110211T2ON1DBZ	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	$5,622	V1
460 Vac	2	CFW110003T4ON1Z	CFDB2-375-298	375	298	5 x 12 x 7	$749	V1
	3	CFW110005T4ON1Z	CFDB2-250-448	250	448	5 x 12 x 7	$749	V1
	5	CFW110007T4ON1Z	CFDB2-150-746	150	746	5 x 12 x 10	$941	V1
	7 1/2	CFW110010T4ON1Z	CFDB2-100-1119	100	1,119	5 x 12 x 13	$1,130	V1
	10	CFW110013T4ON1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	$1,322	V1
	10	CFW110017T4ON1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	$1,322	V1
	15	CFW110024T4ON1Z	CFDB2-50-2238	50	2,238	5 x 19 x 13	$1,820	V1
	20	CFW110031T4ON1Z	CFDB2-38-2984	38	2,984	5 x 19 x 16	$2,201	V1
	25	CFW110038T4ON1Z	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	$2,511	V1
	30	CFW110045T4ON1Z	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	$2,511	V1
	40	CFW110058T4ON1Z	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	$2,938	V1
	50/60	CFW110070T4ON1Z	CFDB2-15-8952	15	8,952	10 x 28 x 13	$4,328	V1
	75	CFW110088T4ON1Z	CFDB2-10-11190	10	11,190	10 x 28 x 16	$5,659	V1
	75	CFW110105T4ON1DBZ	CFDB2-10-11190	10	11,190	10 x 28 x 16	$5,659	V1
	100/125	CFW110142T4ON1DBZ	CFDB2-8-18650	8	18,650	24 x 30 x 18	$9,560	V1
	150	CFW110180T4ON1DBZ	CFDB2-5-22380	5	22,380	24 x 30 x 18	$11,854	V1
	175	CFW110211T4ON1Z	CFDB2-5-29840	5	29,840	24 x 30 x 18	$11,854	V1

Notes:
1) 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
230 Vac	1 1/2	CFW700A06P0B2DBN1	CFDB5-125-560	125	560	5 x 12 x 10	$941	V1
	2	CFW700A07P0B2DBN1	CFDB5-95-746	95	746	5 x 12 x 10	$941	V1
	2	CFW700A7P0T2DBN1	CFDB5-95-746	95	746	5 x 12 x 10	$941	V1
	3	CFW700A10P0S2DBN1	CFDB5-63-1119	63	1,119	5 x 12 x 10	$1,130	V1
	3	CFW700A10P0T2DBN1	CFDB5-63-1119	63	1,119	5 x 12 x 10	$1,130	V1
	5	CFW700A13P0T2DBN1	CFDB5-38-1865	38	1,865	5 x 19 x 13	$1,820	V1
	5	CFW700A16P0T2DBN1	CFDB5-38-1865	38	1,865	5 x 19 x 13	$1,820	V1
	7 1/2	CFW700B24P0T2DBN1	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	$2,511	V1
	10	CFW700B28P0T2DBN1	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	$2,511	V1
	10	CFW700B33P5T2DBN1	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	$2,511	V1
	15	CFW700C45P0T2DBN1	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	$2,938	V1
	20	CFW700C54P0T2DBN1	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	$4,663	V1
	25	CFW700C70P0T2DBN1	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	$4,663	V1
	30	CFW700D86P0T2DBN1	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	$5,254	V1
	40	CFW700D0105T2DBN1	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	$6,762	V1
	50	CFW700E142T2DBN1C3	CFDB5-4-18650	3.9	18,650	24 x 30 x 18	$10,325	V1
	60	CFW700E180T2DBN1C3	CFDB5-4-22380	3.3	22,380	24 x 30 x 18	$10,325	V1
	75	CFW700E211T2DBN1C3	CFDB5-3-27975	2.7	27,975	32 x 30 x 18	$10,325	V1
460 Vac	2	CFW700A03P6T4DBN1	CFDB5-375-746	375	746	5 x 12 x 13	$1,130	V1
	3	CFW700A05P0T4DBN1	CFDB5-250-1119	250	1,119	5 x 12 x 16	$1,511	V1
	5	CFW700A07P0T4DBN1	CFDB5-150-1865	150	1,865	5 x 19 x 13	$1,703	V1
	7 1/2	CFW700A10P0T4DBN1	CFDB5-100-2798	100	2,798	5 x 19 x 16	$1,892	V1
	10	CFW700A13P5T4DBN1	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	$2,938	V1
	10	CFW700B17P0T4DBN1	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	$2,938	V1
	15	CFW700B24P0T4DBN1	CFDB5-50-5595	50	5,595	10 x 28 x 13	$4,254	V1
	20	CFW700B31P0T4DBN1	CFDB5-38-7460	38	7,460	10 x 28 x 13	$4,254	V1
	25	CFW700C38P0T4DBN1	CFDB5-30-9325	30	9,325	10 x 28 x 16	$4,715	V1
	30	CFW700C45P0T4DBN1	CFDB5-25-11190	25	11,190	10 x 28 x 16	$5,071	V1
	40	CFW700C58P5T4DBN1	CFDB5-19-14920	19	14,920	24 x 30 x 18	$8,858	V1
	50/60	CFW700D70P5T4DBN1	CFDB2-15-22380	15	22,380	24 x 30 x 18	$10,176	V1
	75	CFW700D88P0T4DBN1	CFDB5-10-27975	10	27,975	32 x 30 x 18	$14,625	V1
	75	CFW700E105T4DBN1C3	CFDB5-10-27975	10	27,975	32 x 30 x 18	$14,625	V1
	100/125	CFW700E142T4DBN1C3	CFDB5-8-46625	8	46,625	32 x 30 x 18	$16,923	V1
	150	CFW700E180T4DBN1C3	CFDB5-5-55950	5	55,950	48 x 30 x 18	$18,814	V1
	175	CFW700E211T4DBN1C3	CFDB5-5-74600	5	74,600	72 x 30 x 18	$31,678	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.

Variable Frequency Drives

Line and Load Reactors for CFW11, CFW700, and CFW701

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
	Input Power Supply: Three-Phase 230 Vac						
230 Vac	3	12	LRW012D3N1	8 x 8 x 6	16	$436	V1
	5	18	LRW018D3N1	8 x 8 x 6	16	$512	V1
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42	$590	V1
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45	$634	V1
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54	$756	V1
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55	$890	V1
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74	$905	V1
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78	$1,086	V1
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60	$1,175	V1
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71	$1,424	V1
	75	200	LRW200D3N1	13 x 13.3 x 13.1	79	$1,488	V1
	Input Power Supply: Three-Phase 460 Vac						
460 Vac	1 1/2	2	LRW002G3N1	8 x 8 x 6	11	$387	V1
	2 , 3	4	LRW004G3N1	8 x 8 x 6	11	$394	V1
	5	8	LRW008G3N1	8 x 8 x 6	14	$415	V1
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16	$452	V1
	10	18	LRW018G3N1	8 x 8 x 6	16	$519	V1
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42	$601	V1
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45	$715	V1
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54	$841	V1
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55	$987	V1
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60	$1,179	V1
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71	$1,450	V1
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74	$1,750	V1
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48	$2,060	V1
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79	$2,400	V1
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99	$2,990	V1
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155	$3,700	V1
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155	$4,962	V1
	350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165	$6,446	V1
	450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	$7,950	V1
	750 / 800	1000	LRW1000G3N1	Consult Factory		$9,788	V1

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

My Notes:

Variable Frequency Drives

CFW701

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

CFW701 Catalog Number Sequence

CFW701	B	24P0	T	2	DB	N1	C3

Frame
A, B, C, D, E

Rated Current
03P6 = 3.6 Amps
05P0 = 5.0 Amps
10P0 = 10.0 Amps
24P0 = 24 Amps
33P5 = 33.5 Amps
45P0 = 45 Amps
58P5 = 58.5 Amps
70P0 = 70 Amps
0105 = 105 Amps
0142 = 142 Amps
0211 = 211 Amps

Options
NB = No Brake
DB = Dynamic Brake
N1 = NEMA1 (Std.)
20 = IP20
C3 = RFI Filter
W1 = External 24Vdc

Supply Voltage
2 = 200-240 Vac
4 = 380-480 Vac
5 = 500-600 Vac

Supply Phases
S = Single Phase
B = 1 or 3 Phase
T = Three Phase

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

Variable Frequency Drives

CFW701

NEMA 1 Enclosure

Motor Voltage	ND / VT [1] Motor HP [2]	ND / VT [1] Drive Amps [3]	HD / CT [1] Motor HP [2]	HD / CT [1] Drive Amps [3]	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD [6]	Approx. Weight (lbs.)	List Price	Multiplier
230 Vac	**Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor**										
	1 1/2	6.0	1 1/2	5.0	CFW701A06P0S2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,370**	V3
	2	7.0	2	7.0	CFW701A07P0S2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,430**	V3
	3	10	3	10	CFW701A10P0S2DBN1C3	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	CFW701A07P0T2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,350**	V3
	3	10	2	8.0	CFW701A10P0T2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,410**	V3
	5	13	3	11	CFW701A13P0T2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,440**	V3
	5	16	5	13	CFW701A16P0T2DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,542**	V3
	7 1/2	24	7 1/2	20	CFW701B24P0T2DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	**$2,020**	V3
	10	28	10	24	CFW701B28P0T2DBN1C3	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	CFW701C45P0T2DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	**$2,900**	V3
	20	54	20	45	CFW701C54P0T2DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	**$3,700**	V3
	25	70	20	56	CFW701C70P0T2DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	**$4,880**	V3
	30	86	25	70	CFW701D86P0T2DBN1C3	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
460 Vac	**Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor**										
	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	CFW701A05P0T4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,444**	V3
	5	7.0	3	5.5	CFW701A07P0T4DBN1C3	Yes	A	12.1 x 5.8 x 9.0	13.9	**$1,510**	V3
	7 1/2	10	5	10	CFW701A10P0T4DBN1C3	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	CFW701B17P0T4DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	**$2,055**	V3
	15	24	10	19	CFW701B24P0T4DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	**$2,455**	V3
	20	31	15	25	CFW701B31P0T4DBN1C3	Yes	B	13.9 x 7.5 x 9.0	24.1	**$3,450**	V3
	25	38	20	33	CFW701C38P0T4DBN1C3	Yes	C	17.7 x 8.7 x 11.5	44.6	**$3,888**	V3
	30	45	25	38	CFW701C45P0T4DBN1C3	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	CFW701D88P0T4DBN1C3	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.

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.

Variable Frequency Drives

CFW701

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
Communication	CFW-LonWorks [1]	LonWorks Gateway Module - Connects CFW501 or CFW701 RS-485 to LonWorks network	$1,100	V1
I/O	CCK-01	Relay Output Module for CFW700 and CFW701, 2 Form C Relay Outputs	$105	V1
Flash Memory	MMF-02	Flash Memory Module for CFW700 and CFW701	$71	V1
Keypad and Accessories	HMI-02	CFW700 Standard Keypad with USB	$320	V1
	RHMIF-02	CFW700 Remote Keypad Frame Kit	$69	V1
	HMI-03	CFW700 Standard Keypad with USB for CFW701	$320	V1
	RHMIF-03	CFW700 Remote Keypad Frame Kit for CFW701	$69	V1
	HMID-01	Blank Keypad Cover for Keypad Slot (CFW11, CFW700 & CFW701)	$54	V1
Remote Keypad Cable	IHM-CAB-RS-1M	3.3 ft (1 meter) Remote Keypad Cable (CFW11 & CFW700)	$54	V1
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable (CFW11 & CFW700)	$60	V1
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11 & CFW700)	$66	V1
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11 & CFW700)	$75	V1
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable (CFW11 & CFW700)	$90	V1
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11 & CFW700)	$102	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	Z5
Conduit Kit	KN1A-02	Conduit Kit for frame size A with power cables shielding	$125	V1
	KN1B-02	Conduit Kit for frame size B with power cables shielding	$125	V1
	KN1C-02	Conduit Kit for frame size C with power cables shielding	$142	V1
	KN1E-01	Top cover kit for frame size E (105 & 142A)	$78	V1
	KN1E-02	Top cover kit plus Conduit kit for frame size E (180 & 211A)	$213	V1
	KIP21D-01	IP21 Kit for Frame size D (top cover) (CFW11 & CFW700)	$120	V1
Cable Shield Kit	PCSA-01	Power Cables Shielding Kit for frame size A (CFW11 & CFW700)	$48	V1
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11 & CFW700)	$51	V1
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11 & CFW700)	$54	V1
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11 & CFW700)	$56	V1
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11 & CFW700)	$76	V1

Notes:
1) Compatible with CFW501 and CFW701 only.

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 (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		
	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	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	5-90% 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, 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, 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		

Variable Frequency Drives

Dynamic Braking Resistors for CFW701

NON-STOCK (call for lead time)

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
230 Vac	1 1/2	CFW110006B2ON1Z	CFDB2-125-224	125	224	5 x 12 x 5	$520	V1
	2	CFW110007B2ON1Z	CFDB2-95-298	95	298	5 x 12 x 7	$749	V1
	2	CFW110007T2ON1Z	CFDB2-95-298	95	298	5 x 12 x 7	$749	V1
	3	CFW110010S2ON1Z	CFDB2-63-448	63	448	5 x 12 x 7	$749	V1
	3	CFW110010T2ON1Z	CFDB2-63-448	63	448	5 x 12 x 7	$749	V1
	5	CFW110013T2ON1Z	CFDB2-38-746	38	746	5 x 12 x 10	$941	V1
	5	CFW110016T2ON1Z	CFDB2-38-746	38	746	5 x 12 x 10	$941	V1
	7 1/2	CFW110024T2ON1Z	CFDB2-26-119	26	119	5 x 12 x 13	$1,130	V1
	10	CFW110028T2ON1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	$1,322	V1
	10	CFW110033T2ON1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	$1,322	V1
	15	CFW110045T2ON1Z	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	$1,644	V1
	20	CFW110054T2ON1Z	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	$1,644	V1
	25	CFW110070T2ON1Z	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	$1,997	V1
	30	CFW110086T2ON1Z	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	$2,588	V1
	40	CFW110105T2ON1Z	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	$3,269	V1
	50	CFW110142T2ON1DBZ	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	$3,820	V1
	60	CFW110180T2ON1DBZ	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	$3,820	V1
	75	CFW110211T2ON1DBZ	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	$5,622	V1
460 Vac	2	CFW110003T4ON1Z	CFDB2-375-298	375	298	5 x 12 x 7	$749	V1
	3	CFW110005T4ON1Z	CFDB2-250-448	250	448	5 x 12 x 7	$749	V1
	5	CFW110007T4ON1Z	CFDB2-150-746	150	746	5 x 12 x 10	$941	V1
	7 1/2	CFW110010T4ON1Z	CFDB2-100-1119	100	1,119	5 x 12 x 13	$1,130	V1
	10	CFW110013T4ON1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	$1,322	V1
	10	CFW110017T4ON1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	$1,322	V1
	15	CFW110024T4ON1Z	CFDB2-50-2238	50	2,238	5 x 19 x 13	$1,820	V1
	20	CFW110031T4ON1Z	CFDB2-38-2984	38	2,984	5 x 19 x 16	$2,201	V1
	25	CFW110038T4ON1Z	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	$2,511	V1
	30	CFW110045T4ON1Z	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	$2,511	V1
	40	CFW110058T4ON1Z	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	$2,938	V1
	50/60	CFW110070T4ON1Z	CFDB2-15-8952	15	8,952	10 x 28 x 13	$4,328	V1
	75	CFW110088T4ON1Z	CFDB2-10-11190	10	11,190	10 x 28 x 16	$5,659	V1
	75	CFW110105T4ON1DBZ	CFDB2-10-11190	10	11,190	10 x 28 x 16	$5,659	V1
	100/125	CFW110142T4ON1DBZ	CFDB2-8-18650	8	18,650	24 x 30 x 18	$9,560	V1
	150	CFW110180T4ON1DBZ	CFDB2-5-22380	5	22,380	24 x 30 x 18	$11,854	V1
	175	CFW110211T4ON1Z	CFDB2-5-29840	5	29,840	24 x 30 x 18	$11,854	V1

Notes:
1) Dimensions are provided for estimating purposes only.

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
230 Vac	1 1/2	CFW701A06P0S2DBN1C3	CFDB5-125-560	125	560	5 x 12 x 10	$941	V1
	2	CFW701A07P0S2DBN1C3	CFDB5-95-746	95	746	5 x 12 x 10	$941	V1
	2	CFW701A07P0T2DBN1C3	CFDB5-95-746	95	746	5 x 12 x 10	$941	V1
	3	CFW701A10P0S2DBN1C3	CFDB5-63-1119	63	1,119	5 x 12 x 10	$1,130	V1
	3	CFW701A10P0T2DBN1C3	CFDB5-63-1119	63	1,119	5 x 12 x 10	$1,130	V1
	5	CFW701A13P0T2DBN1C3	CFDB5-38-1865	38	1,865	5 x 19 x 13	$1,820	V1
	5	CFW701A16P0T2DBN1C3	CFDB5-38-1865	38	1,865	5 x 19 x 13	$1,820	V1
	7 1/2	CFW701B24P0T2DBN1C3	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	$2,511	V1
	10	CFW701B28P0T2DBN1C3	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	$2,511	V1
	10	CFW701B33P5T2DBN1C3	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	$2,511	V1
	15	CFW701C45P0T2DBN1C3	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	$2,938	V1
	20	CFW701C54P0T2DBN1C3	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	$4,663	V1
	25	CFW701C70P0T2DBN1C3	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	$4,663	V1
	30	CFW701D86P0T2DBN1C3	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	$5,254	V1
	40	CFW701D0105T2DBN1C3	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	$6,762	V1
460 Vac	2	CFW701A03P6T4DBN1C3	CFDB5-375-746	375	746	5 x 12 x 13	$1,130	V1
	3	CFW701A05P0T4DBN1C3	CFDB5-250-1119	250	1,119	5 x 12 x 16	$1,511	V1
	5	CFW701A07P0T4DBN1C3	CFDB5-150-1865	150	1,865	5 x 19 x 13	$1,703	V1
	7 1/2	CFW701A10P0T4DBN1C3	CFDB5-100-2798	100	2,798	5 x 19 x 16	$1,892	V1
	10	CFW701A13P5T4DBN1C3	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	$2,938	V1
	10	CFW701B17P0T4DBN1C3	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	$2,938	V1
	15	CFW701B24P0T4DBN1C3	CFDB5-50-5595	50	5,595	10 x 28 x 13	$4,254	V1
	20	CFW701B31P0T4DBN1C3	CFDB5-38-7460	38	7,460	10 x 28 x 13	$4,254	V1
	25	CFW701C38P0T4DBN1C3	CFDB5-30-9325	30	9,325	10 x 28 x 16	$4,715	V1
	30	CFW701C45P0T4DBN1C3	CFDB5-25-11190	25	11,190	10 x 28 x 16	$5,071	V1
	40	CFW701C58P5T4DBN1C3	CFDB5-19-14920	19	14,920	24 x 30 x 18	$8,858	V1
	50/60	CFW701D70P5T4DBN1C3	CFDB2-15-22380	15	22,380	24 x 30 x 18	$10,176	V1
	75	CFW701D88P0T4DBN1C3	CFDB5-10-27975	10	27,975	32 x 30 x 18	$14,625	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.

Variable Frequency Drives

Line and Load Reactors for CFW11, CFW700 and CFW701

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
	Input Power Supply: Three-Phase 230 Vac						
230 Vac	3	12	LRW012D3N1	8 x 8 x 6	16	$436	V1
	5	18	LRW018D3N1	8 x 8 x 6	16	$512	V1
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42	$590	V1
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45	$634	V1
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54	$756	V1
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55	$890	V1
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74	$905	V1
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78	$1,086	V1
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60	$1,175	V1
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71	$1,424	V1
	75	200	LRW200D3N1	13 x 13.3 x 13.1	79	$1,488	V1
	Input Power Supply: Three-Phase 460 Vac						
460 Vac	1 1/2	2	LRW002G3N1	8 x 8 x 6	11	$387	V1
	2 , 3	4	LRW004G3N1	8 x 8 x 6	11	$394	V1
	5	8	LRW008G3N1	8 x 8 x 6	14	$415	V1
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16	$452	V1
	10	18	LRW018G3N1	8 x 8 x 6	16	$519	V1
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42	$601	V1
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45	$715	V1
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54	$841	V1
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55	$987	V1
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60	$1,179	V1
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71	$1,450	V1
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74	$1,750	V1
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48	$2,060	V1
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79	$2,400	V1
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99	$2,990	V1
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155	$3,700	V1
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155	$4,962	V1
	350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165	$6,446	V1
	450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	$7,950	V1
	750 / 800	1000	LRW1000G3N1	Consult Factory		$9,788	V1

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

My Notes:

Variable Frequency Drives

CFW11

WEG's CFW11 uses state-of-the-art technology to control motors up to 600HP. 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	0105	T	4	O	N1	DB	Z

Rated Current

- 0003 = 3 Amps
- 0006 = 6 Amps
- 0010 = 10 Amps
- 0024 = 24 Amps
- 0070 = 70 Amps
- 0105 = 105 Amps
- 0142 = 142 Amps
- 0211 = 211 Amps
- 0312 = 312 Amps
- 0477 = 477 Amps
- 0720 = 720 Amps
- 1141 = 1141 Amps

Supply Phases

- S = Single Phase
- B = 1 or 3 Phase
- T = Three Phase

Supply Voltage

- 2 = 200-240 Vac
- 4 = 380-480 Vac
- 5 = 500-600 Vac
- 6 = 600-690 Vac

Configuration

- S = Standard
- O = Options Added

Options

- N1 = NEMA 1 *
- DB = Dynamic Brake
- NB = No Brake
- FA = RFI Filter
- NF = No RFI Filter
- W = External 24Vdc
- Y = Safe Stop (STO)
- Z = End of Number

** CFW11 Frames F and G are IP20 Chassis*

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

Variable Frequency Drives

CFW11

Drive Ratings

Normal Duty (ND) Cycle:

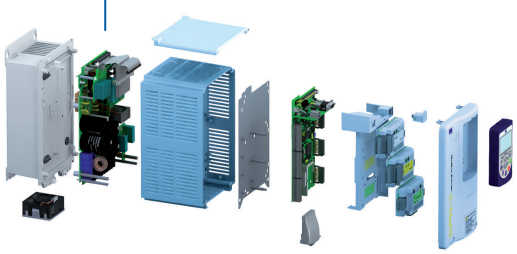
- 110% for 60 seconds every 10 minutes
- 150% for 3 seconds every 10 minutes

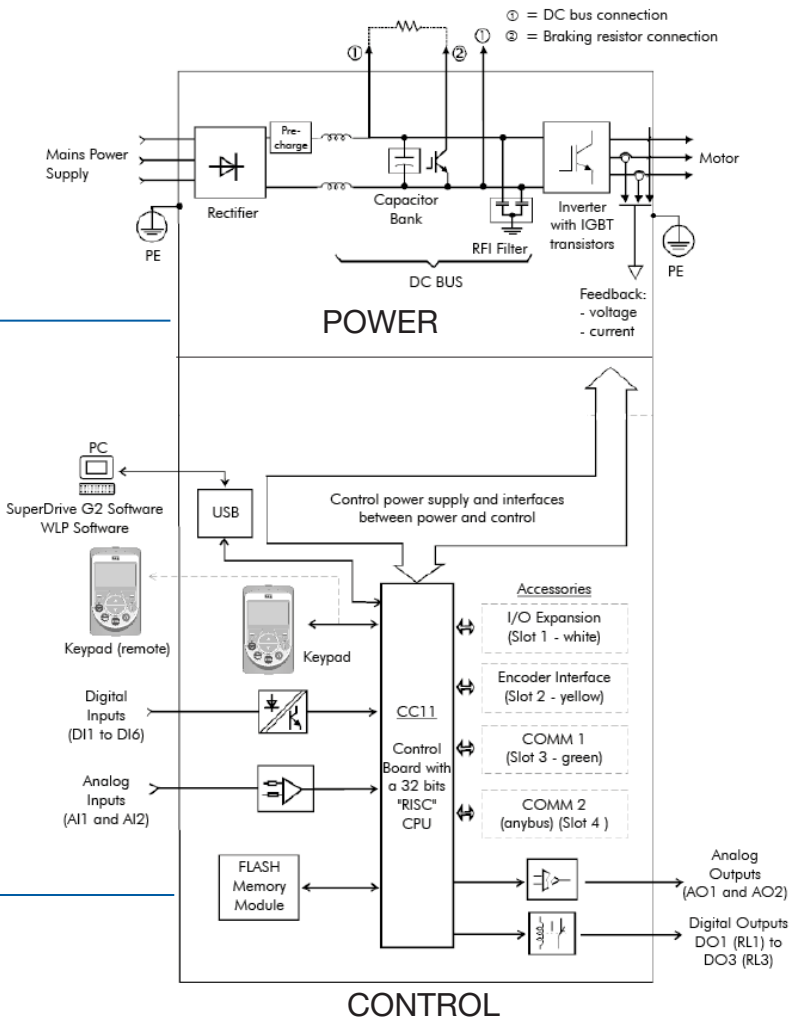
Heavy Duty (HD) Cycle:

- 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.





Notes:
1) Half controlled bridge rectiifer 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.

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
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	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	5.0	CFW110006B2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,644	V1
	2	7.0	2	7.0	CFW110007B2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,716	V1
	Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor										
	3	10	3	10	CFW110010S2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,812	V1
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	2	7.0	1 1/2	5.5	CFW110007T2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,620	V1
	3	10	2	8.0	CFW110010T2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,692	V1
	5	13	3	11	CFW110013T2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,728	V1
	5	16	5	13	CFW110016T2ON1Z	Yes	A	12.1 x 5.8 x 9.0	13.9	$1,850	V1
	7 1/2	24	7 1/2	20	CFW110024T2ON1Z	Yes	B	13.9 x 7.5 x 9.0	23	$2,424	V1
	10	28	10	24	CFW110028T2ON1Z	Yes	B	13.9 x 7.5 x 9.0	23	$2,641	V1
	10	34	10	28	CFW110033T2ON1Z	Yes	B	13.9 x 7.5 x 9.0	23	$3,190	V1
	15	45	15	36	CFW110045T2ON1Z	Yes	C	17.7 x 8.7 x 11.5	46	$3,641	V1
	20	54	20	45	CFW110054T2ON1Z	Yes	C	17.7 x 8.7 x 11.5	46	$4,400	V1
	25	70	20	56	CFW110070T2ON1Z	Yes	C	17.7 x 8.7 x 11.5	46	$6,600	V1
	30	86	25	70	CFW110086T2ON1Z	Yes	D	19.9 x 11.9 x 12.0	72	$7,222	V1
	40	105	30	86	CFW110105T2ON1Z	Yes	D	19.9 x 11.9 x 12.0	72	$9,000	V1
	50	142	40	115	CFW110142T2ON1DBZ	Yes	E [5]	26.6 x 13.2 x 14.1	144	$12,720	V1
	60	180	50	142	CFW110180T2ON1DBZ	Yes	E [5]	26.6 x 13.2 x 14.1	144	$17,555	V1
	75	211	60	180	CFW110211T2ON1DBZ	Yes	E [5]	26.6 x 13.2 x 14.1	144	$24,380	V1
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor										
	50	142	40	115	CFW110142T2ON1Z	No	E [5]	26.6 x 13.2 x 14.1	144	$11,649	V1
	60	180	50	142	CFW110180T2ON1Z	No	E [5]	26.6 x 13.2 x 14.1	144	$15,125	V1
	75	211	60	180	CFW110211T2ON1Z	No	E [5]	26.6 x 13.2 x 14.1	144	$21,560	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.

Variable Frequency Drives

CFW11

NEMA 1 Enclosure

Motor Voltage	ND / VT [1] Motor HP [2]	ND / VT [1] Drive Amps [3]	HD / CT [1] Motor HP [2]	HD / CT [1] Drive Amps [3]	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
460 Vac	**Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor**										
	2	3.6	2	3.6	CFW110003T4ON1Z	Yes	A [9]	12.1 x 5.8 x 9.0	22	$1,616	
	3	5.0	3	5.0	CFW110005T4ON1Z	Yes	A [9]	12.1 x 5.8 x 9.0	22	$1,650	
	5	7.0	3	5.5	CFW110007T4ON1Z	Yes	A [9]	12.1 x 5.8 x 9.0	22	$1,712	
	7 1/2	10	5	10	CFW110010T4ON1Z	Yes	A [9]	12.1 x 5.8 x 9.0	22	$1,969	
	10	13.5	7 1/2	11	CFW110013T4ON1Z	Yes	A [9]	12.1 x 5.8 x 9.0	22	$2,068	
	10	17	10	13.5	CFW110017T4ON1Z	Yes	B [9]	13.9 x 7.5 x 9.0	23	$2,530	
	15	24	10	19	CFW110024T4ON1Z	Yes	B [9]	13.9 x 7.5 x 9.0	23	$2,992	
	20	31	15	25	CFW110031T4ON1Z	Yes	B [9]	13.9 x 7.5 x 9.0	23	$3,873	
	25	38	20	33	CFW110038T4ON1Z	Yes	C	17.7 x 8.7 x 11.5	46	$4,300	V1
	30	45	25	38	CFW110045T4ON1Z	Yes	C	17.7 x 8.7 x 11.5	46	$5,400	
	40	58.5	30	47	CFW110058T4ON1Z	Yes	C	17.7 x 8.7 x 11.5	46	$6,633	
	50/60	70.5	40	61	CFW110070T4ON1Z	Yes	D	19.9 x 11.9 x 12.0	72	$7,500	
	60/75	88	50	73	CFW110088T4ON1Z	Yes	D	19.9 x 11.9 x 12.0	72	$8,900	
	75	105	75	88	CFW110105T4ON1DBZ	Yes	E [5]	26.6 x 13.2 x 14.1	144	$13,600	
	100/125	142	75	115	CFW110142T4ON1DBZ	Yes	E [5]	26.6 x 13.2 x 14.1	144	$15,900	
	150	180	100/125	142	CFW110180T4ON1DBZ	Yes	E [5]	26.6 x 13.2 x 14.1	144	$23,115	
	175	211	150	180	CFW110211T4ON1Z	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	CFW110105T4ON1Z	No	E [5]	26.6 x 13.2 x 14.1	144	$10,650	
	100/125	142	75	115	CFW110142T4ON1Z	No	E [5]	26.6 x 13.2 x 14.1	144	$12,500	
	150	180	100/125	142	CFW110180T4ON1Z	No	E [5]	26.6 x 13.2 x 14.1	144	$17,500	
	175	211	150	180	CFW110211T4ON1Z	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	V1
	600	720	500	560	CFW110720T4SZ	No	G [6,7,10]	50 x 21.1 x 16.8	474	$59,330	
	700	795	550	637	CFW110795T4OYZ-LR	No	H [6,7,8,11]	55.7 x 27.1 x 16.6	470	$66,157	
	Qty. (2) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.3 x 15.5 x 13.5	125 x 2		
	750	877	600	715	CFW110877T4OYZ-LR	No	H [6,7,8,11]	55.7 x 27.1 x 16.6	470	$74,135	
	Qty. (2) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.3 x 15.5 x 13.5	125 x 2		
	950	1062	750	855	CFW111062T4OYZ-LR	No	H [6,7,8,11]	55.7 x 27.1 x 16.6	486	$92,842	
	Qty. (2) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.61 x 15.25 x 16.5	190 x 2		
	1000	1141	850	943	CFW111141T4OYZ-LR	No	H [6,7,8,11]	55.7 x 27.1 x 16.6	486	$105,623	
	Qty. (2) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.61 x 15.25 x 16.5	190 x 2		

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
For other technical data please refer to WEG product manual.
7) IP20 enclosure protection level
8) Frame size "H" does not have built-in DC-link Inductor. Input reactor(s) MUST be used.
9) 6% impedance DC reactor
10) 3% impedance DC reactor
11) 3% impedance AC Line reactor

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
	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	CFW110002T5ON1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	$2,393	V1
	3	4.4	3	3.8	CFW110004T5ON1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	$2,360	
	7 1/2	7.0	5	6.4	CFW110007T5ON1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	$2,516	
	10	10	7 1/2	9.0	CFW110010T5ON1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	$2,850	
	10	12	10	10	CFW110012T5ON1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	$2,998	
	15	17	15	17	CFW110017T5ON1NFZ	Yes	B	13.9 x 7.5 x 9.0	24	$3,145	
	20	22	20	19	CFW110022T5ON1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	$4,748	
	25	27	20	22	CFW110027T5ON1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	$5,023	
	30	32	25	27	CFW110032T5ON1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	$5,803	
	40	44	30	36	CFW110044T5ON1NFZ	Yes	C	17.7 x 8.7 x 11.5	44.6	$7,175	
	50	53	40	44	CFW110053T6ON1YZ	Yes	E [5, 8]	26.6 x 13.2 x 14.1	143	$12,166	
	60	63	50	53	CFW110063T6ON1YZ	Yes	E [5, 8]	26.6 x 13.2 x 14.1	143	$12,932	
	75	80	75	66	CFW110080T6ON1YZ	Yes	E [5, 8]	26.6 x 13.2 x 14.1	143	$13,979	
	100	107	100	90	CFW110107T6ON1YZ	Yes	E [5, 8]	26.6 x 13.2 x 14.1	143	$23,951	
	125	125	100	107	CFW110125T6ON1YZ	Yes	E [5, 8]	26.6 x 13.2 x 14.1	143	$29,042	
	150	150	125	122	CFW110150T6ON1YZ	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										
	50	53	40	44	CFW110053T6ON1NBYZ	No	E [5, 8]	26.6 x 13.2 x 14.1	143	$9,887	V1
	60	63	50	53	CFW110063T6ON1NBYZ	No	E [5, 8]	26.6 x 13.2 x 14.1	143	$10,510	
	75	80	75	66	CFW110080T6ON1NBYZ	No	E [5, 8]	26.6 x 13.2 x 14.1	143	$11,358	
	100	107	100	90	CFW110107T6ON1NBYZ	No	E [5, 8]	26.6 x 13.2 x 14.1	143	$19,458	
	125	125	100	107	CFW110125T6ON1NBYZ	No	E [5, 8]	26.6 x 13.2 x 14.1	143	$23,589	
	150	150	125	122	CFW110150T6ON1NBYZ	No	E [5, 8]	26.6 x 13.2 x 14.1	143	$32,080	
	150	170	150	150	CFW110170T6OYZ	No	F [5, 7, 8]	48.6 x 16.9 x 14.2	371	$33,083	
	200	216	150	180	CFW110216T6OYZ	No	F [5, 7, 8]	48.6 x 16.9 x 14.2	371	$40,206	
	300	289	250	240	CFW110289T6OYZ	No	F [5, 7, 8]	48.6 x 16.9 x 14.2	371	$48,913	
	350	315	300	289	CFW110315T6OYZ	No	G [5, 7, 8]	50 x 21.1 x 16.8	569	$54,936	
	400	365	350	315	CFW110365T6OYZ	No	G [5, 7, 8]	50 x 21.1 x 16.8	569	$71,061	
	450	435	350	357	CFW110435T6OYZ	No	G [5, 7, 8]	50 x 21.1 x 16.8	569	$76,125	
	650	584	550	504	CFW110584T6OYZ-LR	No	H [6, 7, 8, 9]	55.7 x 27.1 x 16.6	441	$78,880	
	Qty. (1) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.3 x 15.5 x 13.5	195 x 1		
	700	625	600	540	CFW110625T6OYZ-LR	No	H [6, 7, 8, 9]	55.7 x 27.1 x 16.6	441	$85,780	
	Qty. (1) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.3 x 15.5 x 13.5	195 x 1		
	850	758	650	614	CFW110758T6OYZ-LR	No	H [6, 7, 8, 9]	55.7 x 27.1 x 16.6	470	$102,734	
	Qty. (2) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.3 x 15.5 x 13.5	175 x 2		
	900	804	750	682	CFW110804T6OYZ-LR	No	H [6, 7, 8, 9]	55.7 x 27.1 x 16.6	470	$114,957	
	Qty. (2) ea. IP00 AC Line Reactors are included; supplied loose with the drive module:							12.3 x 15.5 x 13.5	175 x 2		

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. Input reactor(s) MUST be used.
For other technical data please refer to WEG product manual.

Variable Frequency Drives

CFW11

Options and Accessories

Type	Catalog Number	Description	Slot	List Price	Multiplier
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	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	V1
	IOC-01	Module for SoftPLC : 8 x Isolated Digital Inputs; 8 x open collector digital outputs	4	$447	V1
	IOC-02	Module for SoftPLC : 8 x Isolated Digital Inputs; 4 x Relay output (240V/1A)	1	$411	V1
	IOE-01	PTC Temperature Sensor Input Card; 5 - Channels	1	$668	V1
	IOE-02	PT100 Temperature Sensor Input Card; 5 - Channels	1	$1,741	V1
	IOE-03	KTY84 Temperature Sensor Input Card; 5 - Channels	1	$863	V1
Encoder Module	**ENC-01**	Incremental encoder module, 5 to 12 VDC at 100 kHZ, with encoder signal repeater	2	$500	V1
	ENC-02	Incremental encoder module, 5 to 12 VDC at 100 kHZ, without encoder signal repeater	2	$430	V1
Communication	**RS485-01**	RS-485 serial communication module (Modbus-RTU)	3	$240	V1
	RS232-01	RS-232C serial communication module (Modbus-RTU)	3	$180	V1
	RS232-02	RS232C serial commuication module with DIP-switches for micro-controller's flash memory programming	3	$180	V1
	CAN/RS485-01	CAN and RS-485 communication module (CANopen / Modbus / DeviceNet)	3	$480	V1
	CAN-01	CAN interface module (CANopen/DeviceNet) (CFW11 & CFW700)	3	$410	V1
	ETHERCAT-01	EtherCAT Communication Module	3	$1,320	V1
	PROFIBUS DP-01	Profibus DP-V1 interface module (CFW11 & CFW700)	3	$520	V1
	PROFDP-05	Profibus DP interface module	4	$935	V1
	DEVICENET-05	DeviceNet interface module	4	$935	V1
	ETHERNET/IP-05	Ethernet/IP interface module	4	$935	V1
	ETHERNETIP-2P-05	EtherNet/IP Communication Module, 2-ports	4	$1,067	V1
	RS232-05	RS-232 serial communication module (Modbus-RTU)	4	$228	V1
	RS485-05	RS-485 serial communication module (Modbus-RTU)	4	$275	V1
	MODBUSTCP-05	Modbus - TCP/IP interface module	4	$1,381	V1
	PROFINETIO-05	Profinet interface module	4	$1,594	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 Mobus-RTU interface; CAN interface (CANopen, CANopen master/slave)	1, 2, 3	$1,876	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	V1
Flash Memory	**MMF-01**	Flash Memory Module for CFW11; Blue Cover; For main circuit board versions CC11C and older	5	$71	V1
	MMF-03	Flash Memory Module for CFW11; Yellow Cover; For main circuit board versions CC11D and newer	5	$71	V1

continued on next page

Options and Accessories

Type	CATALOG NUMBER	Description	List Price	Multiplier
Keypad and Accessories	HMI-01	CFW11 Standard Keypad	$320	V1
	RHMIF-01	CFW11 Remote Keypad Frame Kit	$69	V1
	HMID-01	Blank Keypad Cover for Keypad Slot (CFW11 & CFW700)	$54	V1
Remote Keypad Cable	IHM-CAB-RS-1M	3.3 ft (1 meter) Remote Keypad Cable (CFW11 & CFW700)	$54	V1
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable (CFW11 & CFW700)	$60	V1
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11 & CFW700)	$66	V1
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11 & CFW700)	$75	V1
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable (CFW11 & CFW700)	$90	V1
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11 & CFW700)	$102	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	Z5
Conduit Kit	KN1A-01	Conduit Kit for frame size A with power cables shielding	$69	V1
	KN1B-01	Conduit Kit for frame size B with power cables shielding	$82	V1
	KN1C-01	Conduit Kit for frame size C with power cables shielding	$94	V1
	KIP21D-01	IP21 Top Cover Kit for Frame size D (CFW11 & CFW700)	$100	V1
	KN1E-01	Top cover kit for frame size E (105 and 142A)	$78	V1
	KN1E-02	Top cover kit plus Conduit kit for frame size E (180 and 211A)	$213	V1
	KN1F-01	NEMA 1 Conduit Kit for frame size F	$390	V1
	KN1G-01	NEMA 1 Conduit Kit for frame size G	$445	V1
Cable Shield Kit	PCSA-01	Power Cables Shielding Kit for frame size A (CFW11 & CFW700)	$48	V1
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11 & CFW700)	$51	V1
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11 & CFW700)	$54	V1
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11 & CFW700)	$56	V1
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11 & CFW700)	$76	V1
Dynamic Brake	DBW03-CFW11 F & G	External Dynamic Braking Module (frame F & G)	$6,822	V1

Variable Frequency Drives

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	
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	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	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	5-90% 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	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 comp., electronic pot, two skip frequencies, max. and min. 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		

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
230 Vac	1 1/2	CFW110006B2ON1Z	CFDB2-125-224	125	224	5 x 12 x 5	$520	V1
	2	CFW110007B2ON1Z	CFDB2-95-298	95	298	5 x 12 x 7	$749	V1
	2	CFW110007T2ON1Z	CFDB2-95-298	95	298	5 x 12 x 7	$749	V1
	3	CFW110010S2ON1Z	CFDB2-63-448	63	448	5 x 12 x 7	$749	V1
	3	CFW110010T2ON1Z	CFDB2-63-448	63	448	5 x 12 x 7	$749	V1
	5	CFW110013T2ON1Z	CFDB2-38-746	38	746	5 x 12 x 10	$941	V1
	5	CFW110016T2ON1Z	CFDB2-38-746	38	746	5 x 12 x 10	$941	V1
	7 1/2	CFW110024T2ON1Z	CFDB2-26-119	26	119	5 x 12 x 13	$1,130	V1
	10	CFW110028T2ON1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	$1,322	V1
	10	CFW110033T2ON1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	$1,322	V1
	15	CFW110045T2ON1Z	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	$1,644	V1
	20	CFW110054T2ON1Z	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	$1,644	V1
	25	CFW110070T2ON1Z	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	$1,997	V1
	30	CFW110086T2ON1Z	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	$2,588	V1
	40	CFW110105T2ON1Z	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	$3,269	V1
	50	CFW110142T2ON1DBZ	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	$3,820	V1
	60	CFW110180T2ON1DBZ	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	$3,820	V1
	75	CFW110211T2ON1DBZ	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	$5,622	V1
460 Vac	2	CFW110003T4ON1Z	CFDB2-375-298	375	298	5 x 12 x 7	$749	V1
	3	CFW110005T4ON1Z	CFDB2-250-448	250	448	5 x 12 x 7	$749	V1
	5	CFW110007T4ON1Z	CFDB2-150-746	150	746	5 x 12 x 10	$941	V1
	7 1/2	CFW110010T4ON1Z	CFDB2-100-1119	100	1,119	5 x 12 x 13	$1,130	V1
	10	CFW110013T4ON1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	$1,322	V1
	10	CFW110017T4ON1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	$1,322	V1
	15	CFW110024T4ON1Z	CFDB2-50-2238	50	2,238	5 x 19 x 13	$1,820	V1
	20	CFW110031T4ON1Z	CFDB2-38-2984	38	2,984	5 x 19 x 16	$2,201	V1
	25	CFW110038T4ON1Z	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	$2,511	V1
	30	CFW110045T4ON1Z	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	$2,511	V1
	40	CFW110058T4ON1Z	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	$2,938	V1
	50/60	CFW110070T4ON1Z	CFDB2-15-8952	15	8,952	10 x 28 x 13	$4,328	V1
	75	CFW110088T4ON1Z	CFDB2-10-11190	10	11,190	10 x 28 x 16	$5,659	V1
	75	CFW110105T4ON1DBZ	CFDB2-10-11190	10	11,190	10 x 28 x 16	$5,659	V1
	100/125	CFW110142T4ON1DBZ	CFDB2-8-18650	8	18,650	24 x 30 x 18	$9,560	V1
	150	CFW110180T4ON1DBZ	CFDB2-5-22380	5	22,380	24 x 30 x 18	$11,854	V1
	175	CFW110211T4ON1Z	CFDB2-5-29840	5	29,840	24 x 30 x 18	$11,854	V1

Notes:
1) Dimensions are provided for estimating purposes only.

Variable Frequency Drives

Dynamic Braking Resistors for 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	CFW11 Catalog Number	Braking Resistor Catalog Number	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD [1]	List Price	Multiplier
230 Vac	1 1/2	CFW110006B2ON1Z	CFDB5-125-560	125	560	5 x 12 x 10	$941	V1
	2	CFW110007B2ON1Z	CFDB5-95-746	95	746	5 x 12 x 10	$941	V1
	2	CFW110007T2ON1Z	CFDB5-95-746	95	746	5 x 12 x 10	$941	V1
	3	CFW110010S2ON1Z	CFDB5-63-1119	63	1,119	5 x 12 x 10	$1,130	V1
	3	CFW110010T2ON1Z	CFDB5-63-1119	63	1,119	5 x 12 x 10	$1,130	V1
	5	CFW110013T2ON1Z	CFDB5-38-1865	38	1,865	5 x 19 x 13	$1,820	V1
	5	CFW110016T2ON1Z	CFDB5-38-1865	38	1,865	5 x 19 x 13	$1,820	V1
	7 1/2	CFW110024T2ON1Z	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	$2,511	V1
	10	CFW110028T2ON1Z	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	$2,511	V1
	10	CFW110033T2ON1Z	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	$2,511	V1
	15	CFW110045T2ON1Z	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	$2,938	V1
	20	CFW110054T2ON1Z	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	$4,663	V1
	25	CFW110070T2ON1Z	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	$4,663	V1
	30	CFW110086T2ON1Z	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	$5,254	V1
	40	CFW110105T2ON1Z	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	$6,762	V1
	50	CFW110142T2ON1DBZ	CFDB5-4-18650	3.9	18,650	24 x 30 x 18	$10,325	V1
	60	CFW110180T2ON1DBZ	CFDB5-4-22380	3.3	22,380	24 x 30 x 18	$10,325	V1
	75	CFW110211T2ON1DBZ	CFDB5-3-27975	2.7	27,975	32 x 30 x 18	$10,325	V1
460 Vac	2	CFW110003T4ON1Z	CFDB5-375-746	375	746	5 x 12 x 13	$1,130	V1
	3	CFW110005T4ON1Z	CFDB5-250-1119	250	1,119	5 x 12 x 16	$1,511	V1
	5	CFW110007T4ON1Z	CFDB5-150-1865	150	1,865	5 x 19 x 13	$1,703	V1
	7 1/2	CFW110010T4ON1Z	CFDB5-100-2798	100	2,798	5 x 19 x 16	$1,892	V1
	10	CFW110013T4ON1Z	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	$2,938	V1
	10	CFW110017T4ON1Z	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	$2,938	V1
	15	CFW110024T4ON1Z	CFDB5-50-5595	50	5,595	10 x 28 x 13	$4,254	V1
	20	CFW110031T4ON1Z	CFDB5-38-7460	38	7,460	10 x 28 x 13	$4,254	V1
	25	CFW110038T4ON1Z	CFDB5-30-9325	30	9,325	10 x 28 x 16	$4,715	V1
	30	CFW110045T4ON1Z	CFDB5-25-11190	25	11,190	10 x 28 x 16	$5,071	V1
	40	CFW110058T4ON1Z	CFDB5-19-14920	19	14,920	24 x 30 x 18	$8,858	V1
	50/60	CFW110070T4ON1Z	CFDB5-15-22380	15	22,380	24 x 30 x 18	$10,176	V1
	75	CFW110088T4ON1Z	CFDB5-10-27975	10	27,975	32 x 30 x 18	$14,625	V1
	75	CFW110105T4ON1DBZ	CFDB5-10-27975	10	27,975	32 x 30 x 18	$14,625	V1
	100/125	CFW110142T4ON1DBZ	CFDB5-8-46625	8	46,625	32 x 30 x 18	$16,923	V1
	150	CFW110180T4ON1DBZ	CFDB5-5-55950	5	55,950	48 x 30 x 18	$18,814	V1
	175	CFW110211T4ON1DBZ	CFDB5-5-74600	5	74,600	72 x 30 x 18	$31,678	V1

Notes:
1) Dimensions are provided for estimating purposes only.

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
230 Vac	**Input Power Supply: Three-Phase 230 Vac**						
	3	12	LRW012D3N1	8 x 8 x 6	16	$436	V1
	5	18	LRW018D3N1	8 x 8 x 6	16	$512	V1
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42	$590	V1
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45	$634	V1
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54	$756	V1
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55	$890	V1
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74	$905	V1
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78	$1,086	V1
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60	$1,175	V1
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71	$1,424	V1
	75	200	LRW200D3N1	13 x 13.3 x 13.1	79	$1,488	V1
460 Vac	**Input Power Supply: Three-Phase 460 Vac**						
	1 1/2	2	LRW002G3N1	8 x 8 x 6	11	$387	V1
	2 , 3	4	LRW004G3N1	8 x 8 x 6	11	$394	V1
	5	8	LRW008G3N1	8 x 8 x 6	14	$415	V1
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16	$452	V1
	10	18	LRW018G3N1	8 x 8 x 6	16	$519	V1
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42	$601	V1
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45	$715	V1
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54	$841	V1
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55	$987	V1
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60	$1,179	V1
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71	$1,450	V1
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74	$1,750	V1
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48	$2,060	V1
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79	$2,400	V1
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99	$2,990	V1
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155	$3,700	V1
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155	$4,962	V1
	350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165	$6,446	V1
	450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	$7,950	V1
	750 / 800	1000	LRW1000G3N1	Consult Factory		$9,788	V1

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

Variable Frequency Drives

My Notes:

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
- Wall 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
- ED1-ED4: non-ventilated and wall mounted
- ED5: non-ventilated and floor mounted
- ED6-ED9: ventilated and floor mounted
- 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 = Potentiomenter for speed reference of PID setpoint
- TB = Auxiliary control terminal block for remote command

Variable Frequency Drives

EDP11

EDP11 Catalog Number Sequence

EDP11	S	024	G	N12	1	1	0	0	0

Configuration
S = Standard

Rated Current
003 = 3 Amps
007 = 7 Amps
024 = 24 Amps
045 = 45 Amps
070 = 70 Amps
105 = 105 Amps
180 = 180 Amps
211 = 211 Amps
370 = 370 Amps
515 = 515 Amps
720 = 720 Amps

Supply Voltage
D = 200-240 Vac
G = 460-480 Vac

Enclosure
N12 = NEMA 12
N3R = NEMA 3R

3-Contactor Bypass
0 = No Bypass
1 = With Bypass

Operator Devices
0 = No HOA, Pot, TB
1 = HOA, Pot, TB

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

EDP11

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

Motor Voltage	ND / VT1		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]								
	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
230 Vac	2	7.0	1 1/2	5.5	EDP11S007DN12	Yes	A	ED1	24 x 20 x 11.5	36	$6,690	V1
	3	10	2	8.0	EDP11S010DN12	Yes	A	ED1	24 x 20 x 11.5	36	$6,756	V1
	5	13	3	11	EDP11S013DN12	Yes	A	ED1	24 x 20 x 11.5	41	$6,855	V1
	5	16	5	13	EDP11S016DN12	Yes	A	ED1	24 x 20 x 11.5	42	$7,123	V1
	7 1/2	24	7 1/2	20	EDP11S024DN12	Yes	B	ED1	24 x 20 x 11.5	56	$7,664	V1
	10	28	10	24	EDP11S028DN12	Yes	B	ED1	24 x 20 x 11.5	56	$8,408	V1
	10	33.5	10	28	EDP11S033DN12	Yes	B	ED1	24 x 20 x 11.5	56	$9,108	V1
	15	45	15	36	EDP11S045DN12	Yes	C	ED2	30 x 24 x 14	88	$10,214	V1
	20	54	20	45	EDP11S054DN12	Yes	C	ED2	30 x 24 x 14	90	$11,491	V1
	25	70	20	56	EDP11S070DN12	Yes	C	ED2	30 x 24 x 14	100	$12,162	V1
	30	86	25	70	EDP11S086DN12	Yes	D	ED3	36 x 30 x 14	230	$14,321	V1
	40	105	30	86	EDP11S105DN12	Yes	D	ED3	36 x 30 x 14	240	$17,164	V1
	50	142	40	115	EDP11S142DN12	No	E [5]	ED4	48 x 30 x 17.5	300	$19,793	V1
	60	180	50	142	EDP11S180DN12	No	E [5]	ED4	48 x 30 x 17.5	300	$25,116	V1
	75	211	60	180	EDP11S211DN12	No	E [5]	ED4	48 x 30 x 17.5	300	$28,326	V1
	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
460 Vac	2	3.6	2	3.6	EDP11S003GN12	Yes	A	ED1	24 x 20 x 11.5	36	$6,510	V1
	3	5.0	3	5.0	EDP11S005GN12	Yes	A	ED1	24 x 20 x 11.5	36	$6,626	V1
	5	7.0	3	5.5	EDP11S007GN12	Yes	A	ED1	24 x 20 x 11.5	41	$6,690	V1
	7 1/2	10	5	10	EDP11S010GN12	Yes	A	ED1	24 x 20 x 11.5	42	$6,756	V1
	10	13.5	7 1/2	11	EDP11S013GN12	Yes	A	ED1	24 x 20 x 11.5	42	$6,855	V1
	10	17	10	13.5	EDP11S017GN12	Yes	B	ED1	24 x 20 x 11.5	56	$7,269	V1
	15	24	10	19	EDP11S024GN12	Yes	B	ED1	24 x 20 x 11.5	56	$7,821	V1
	20	31	15	25	EDP11S031GN12	Yes	B	ED1	24 x 20 x 11.5	56	$8,580	V1
	25	38	20	33	EDP11S038GN12	Yes	C	ED2	30 x 24 x 14	90	$9,293	V1
	30	45	25	38	EDP11S045GN12	Yes	C	ED2	30 x 24 x 14	104	$10,422	V1
	40	58.5	30	47	EDP11S058GN12	Yes	C	ED2	30 x 24 x 14	110	$12,026	V1
	50/60	70.5	40	61	EDP11S070GN12	Yes	D	ED3	36 x 30 x 14	240	$12,729	V1
	75	88	50	73	EDP11S088GN12	Yes	D	ED3	36 x 30 x 14	245	$14,988	V1
	75	105	75	88	EDP11S105GN12	No	E [5]	ED4	48 x 30 x 17.5	300	$17,964	V1
	100/125	142	75	115	EDP11S142GN12	No	E [5]	ED4	48 x 30 x 17.5	300	$20,715	V1
	150	180	100	142	EDP11S180GN12	No	E [5]	ED4	48 x 30 x 17.5	300	$26,286	V1
	175	211	125	180	EDP11S211GN12	No	E [5]	ED4	48 x 30 x 17.5	300	$29,645	V1
	200	242	150	211	EDP11S242GN12	No	F [5]	ED6	83 x 32 x 37	700	$40,755	V1
	250	312	200	242	EDP11S312GN12	No	F [5]	ED6	83 x 32 x 37	720	$45,114	V1
	300	370	250	312	EDP11S370GN12	No	F [5]	ED6	83 x 32 x 37	750	$47,743	V1
	400	477	300	370	EDP11S477GN12	No	F [5]	ED6	83 x 32 x 37	775	$54,585	V1
	450	515	400	477	EDP11S515GN12	No	G [5]	ED8	83 x 56 x 37	1100	$66,023	V1
	500	601	450	515	EDP11S601GN12	No	G [5]	ED8	83 x 56 x 37	1120	$71,875	V1
	600	720	500	560	EDP11S720GN12	No	G [6]	ED8	83 x 56 x 37	1150	$88,556	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; 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) 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.

Variable Frequency Drives

EDP11

Engineered Drive Panel - NEMA 12 Enclosure with By-Pass

Motor Voltage	ND / VT1 Motor HP [2]	ND / VT1 Drive Amps [3]	HD / CT1 Motor HP [2]	HD / CT1 Drive Amps [3]	Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	EDP11S007DN1210000	Yes	A	ED2	30 x 24 x 14	36	$8,200	V1
	3	10	2	8.0	EDP11S010DN1210000	Yes	A	ED2	30 x 24 x 14	36	$8,276	V1
	5	13	3	11	EDP11S013DN1210000	Yes	A	ED2	30 x 24 x 14	41	$8,375	V1
	5	16	5	13	EDP11S016DN1210000	Yes	A	ED2	30 x 24 x 14	42	$8,643	V1
	7 1/2	24	7 1/2	20	EDP11S024DN1210000	Yes	B	ED2	30 x 24 x 14	56	$9,262	V1
	10	28	10	24	EDP11S028DN1210000	Yes	B	ED2	30 x 24 x 14	56	$10,200	V1
	10	33.5	10	28	EDP11S033DN1210000	Yes	B	ED2	30 x 24 x 14	56	$11,011	V1
	15	45	15	36	EDP11S045DN1210000	Yes	C	ED3	36 x 30 x 14	88	$12,316	V1
	20	54	20	45	EDP11S054DN1210000	Yes	C	ED3	36 x 30 x 14	90	$13,738	V1
	25	70	20	56	EDP11S070DN1210000	Yes	C	ED3	36 x 30 x 14	100	$14,857	V1
	30	86	25	70	EDP11S086DN1210000	Yes	D	ED4	48 x 30 x 17.5	230	$17,016	V1
	40	105	30	86	EDP11S105DN1210000	Yes	D	ED4	48 x 30 x 17.5	240	$20,052	V1
	50	142	40	115	EDP11S142DN1210000	No	E [5]	ED5	72 x 36 x 18	300	$24,778	V1
	60	180	50	142	EDP11S180DN1210000	No	E [5]	ED5	72 x 36 x 18	300	$31,111	V1
	75	211	60	180	EDP11S211DN1210000	No	E [5]	ED5	72 x 36 x 18	300	$35,651	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
	2	3.6	2	3.6	EDP11S003GN1210000	Yes	A	ED2	30 x 24 x 14	36	$8,020	V1
	3	5.0	3	5.0	EDP11S005GN1210000	Yes	A	ED2	30 x 24 x 14	36	$8,136	V1
	5	7.0	3	5.5	EDP11S007GN1210000	Yes	A	ED2	30 x 24 x 14	41	$8,200	V1
	7 1/2	10	5	10	EDP11S010GN1210000	Yes	A	ED2	30 x 24 x 14	42	$8,276	V1
	10	13.5	7 1/2	11	EDP11S013GN1210000	Yes	A	ED2	30 x 24 x 14	42	$8,375	V1
	10	17	10	13.5	EDP11S017GN1210000	Yes	B	ED2	30 x 24 x 14	56	$8,867	V1
	15	24	10	19	EDP11S024GN1210000	Yes	B	ED2	30 x 24 x 14	56	$9,613	V1
	20	31	15	25	EDP11S031GN1210000	Yes	B	ED2	30 x 24 x 14	56	$10,483	V1
	25	38	20	33	EDP11S038GN1210000	Yes	C	ED3	36 x 30 x 14	90	$11,395	V1
	30	45	25	38	EDP11S045GN1210000	Yes	C	ED3	36 x 30 x 14	104	$12,669	V1
	40	58.5	30	47	EDP11S058GN1210000	Yes	C	ED3	36 x 30 x 14	110	$14,721	V1
	50/60	70.5	40	61	EDP11S070GN1210000	Yes	D	ED4	48 x 30 x 17.5	240	$15,424	V1
	75	88	50	73	EDP11S088GN1210000	Yes	D	ED4	48 x 30 x 17.5	245	$17,876	V1
	75	105	75	88	EDP11S105GN1210000	No	E [5]	ED5	72 x 36 x 18	300	$21,308	V1
	100/125	142	75	115	EDP11S142GN1210000	No	E [5]	ED5	72 x 36 x 18	300	$25,700	V1
	150	180	100	142	EDP11S180GN1210000	No	E [5]	ED5	72 x 36 x 18	300	$32,281	V1
	175	211	125	180	EDP11S211GN1210000	No	E [5]	ED5	72 x 36 x 18	300	$36,970	V1
	200	242	150	211	EDP11S242GN1210000	No	F [5]	ED7	83 x 64 x 37	700	$53,334	V1
	250	312	200	242	EDP11S312GN1210000	No	F [5]	ED7	83 x 64 x 37	720	$59,257	V1
	300	370	250	312	EDP11S370GN1210000	No	F [5]	ED7	83 x 64 x 37	750	$62,146	V1
	400	477	300	370	EDP11S477GN1210000	No	F [5]	ED7	83 x 64 x 37	775	$76,618	V1
	450	515	400	477	EDP11S515GN1210000	No	G [5]	ED9	83 x 95 x 37	1100	$88,056	V1
	500	601	450	515	EDP11S601GN1210000	No	G [5]	ED9	83 x 95 x 37	1120	$99,447	V1
	600	720	500	560	EDP11S720GN1210000	No	G [6]	ED9	83 x 95 x 37	1150	$119,944	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; 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) 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 / VT1		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]								
	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
230 Vac	2	7.0	1 1/2	5.5	EDP11S007DN1201000	Yes	A	ED1	30 x 24 x 14	36	$7,453	V1
	3	10	2	8.0	EDP11S010DN1201000	Yes	A	ED1	30 x 24 x 14	36	$7,519	V1
	5	13	3	11	EDP11S013DN1201000	Yes	A	ED1	30 x 24 x 14	41	$7,618	V1
	5	16	5	13	EDP11S016DN1201000	Yes	A	ED1	30 x 24 x 14	42	$7,886	V1
	7 1/2	24	7 1/2	20	EDP11S024DN1201000	Yes	B	ED1	30 x 24 x 14	56	$8,427	V1
	10	28	10	24	EDP11S028DN1201000	Yes	B	ED1	30 x 24 x 14	56	$9,171	V1
	10	33.5	10	28	EDP11S033DN1201000	Yes	B	ED1	30 x 24 x 14	56	$9,871	V1
	15	45	15	36	EDP11S045DN1201000	Yes	C	ED2	36 x 30 x 14	88	$10,977	V1
	20	54	20	45	EDP11S054DN1201000	Yes	C	ED2	36 x 30 x 14	90	$12,254	V1
	25	70	20	56	EDP11S070DN1201000	Yes	C	ED2	36 x 30 x 14	100	$12,925	V1
	30	86	25	70	EDP11S086DN1201000	Yes	D	ED3	48 x 30 x 17.5	230	$15,084	V1
	40	105	30	86	EDP11S105DN1201000	Yes	D	ED3	48 x 30 x 17.5	240	$17,927	V1
	50	142	40	115	EDP11S142DN1201000	No	E [5]	ED4	72 x 36 x 18	300	$20,556	V1
	60	180	50	142	EDP11S180DN1201000	No	E [5]	ED4	72 x 36 x 18	300	$25,879	V1
	75	211	60	180	EDP11S211DN1201000	No	E [5]	ED4	72 x 36 x 18	300	$29,089	V1
	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
460 Vac	2	3.6	2	3.6	EDP11S003GN1201000	Yes	A	ED1	30 x 24 x 14	36	$7,273	V1
	3	5.0	3	5.0	EDP11S005GN1201000	Yes	A	ED1	30 x 24 x 14	36	$7,389	V1
	5	7.0	3	5.5	EDP11S007GN1201000	Yes	A	ED1	30 x 24 x 14	41	$7,453	V1
	7 1/2	10	5	10	EDP11S010GN1201000	Yes	A	ED1	30 x 24 x 14	42	$7,519	V1
	10	13.5	7 1/2	11	EDP11S013GN1201000	Yes	A	ED1	30 x 24 x 14	42	$7,618	V1
	10	17	10	13.5	EDP11S017GN1201000	Yes	B	ED1	30 x 24 x 14	56	$8,032	V1
	15	24	10	19	EDP11S024GN1201000	Yes	B	ED1	30 x 24 x 14	56	$8,584	V1
	20	31	15	25	EDP11S031GN1201000	Yes	B	ED1	30 x 24 x 14	56	$9,343	V1
	25	38	20	33	EDP11S038GN1201000	Yes	C	ED2	36 x 30 x 14	90	$10,056	V1
	30	45	25	38	EDP11S045GN1201000	Yes	C	ED2	36 x 30 x 14	104	$11,185	V1
	40	58.5	30	47	EDP11S058GN1201000	Yes	C	ED2	36 x 30 x 14	110	$12,789	V1
	50/60	70.5	40	61	EDP11S070GN1201000	Yes	D	ED3	48 x 30 x 17.5	240	$13,492	V1
	75	88	50	73	EDP11S088GN1201000	Yes	D	ED3	48 x 30 x 17.5	245	$15,751	V1
	75	105	75	88	EDP11S105GN1201000	No	E [5]	ED4	48 x 30 x 17.5	300	$18,727	V1
	100/125	142	75	115	EDP11S142GN1201000	No	E [5]	ED4	48 x 30 x 17.5	300	$21,478	V1
	150	180	100	142	EDP11S180GN1201000	No	E [5]	ED4	48 x 30 x 17.5	300	$27,049	V1
	175	211	125	180	EDP11S211GN1201000	No	E [5]	ED4	48 x 30 x 17.5	300	$30,408	V1
	200	242	150	211	EDP11S242GN1201000	No	F [5]	ED6	83 x 64 x 37	700	$41,613	V1
	250	312	200	242	EDP11S312GN1201000	No	F [5]	ED6	83 x 64 x 37	720	$45,972	V1
	300	370	250	312	EDP11S370GN1201000	No	F [5]	ED6	83 x 64 x 37	750	$48,601	V1
	400	477	300	370	EDP11S477GN1201000	No	F [5]	ED6	83 x 64 x 37	775	$55,443	V1
	450	515	400	477	EDP11S515GN1201000	No	G [5]	ED8	83 x 95 x 37	1100	$66,881	V1
	500	601	450	515	EDP11S601GN1201000	No	G [5]	ED8	83 x 95 x 37	1120	$72,733	V1
	600	720	500	560	EDP11S720GN1201000	No	G [6]	ED8	83 x 95 x 37	1150	$89,414	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; 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) *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.*

Variable Frequency Drives

EDP11

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

Motor Voltage	ND / VT1		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]								
	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
230 Vac	2	7.0	1 1/2	5.5	EDP11S007DN1211000	Yes	A	ED2	30 x 24 x 14	36	$8,963	V1
	3	10	2	8.0	EDP11S010DN1211000	Yes	A	ED2	30 x 24 x 14	36	$9,039	V1
	5	13	3	11	EDP11S013DN1211000	Yes	A	ED2	30 x 24 x 14	41	$9,138	V1
	5	16	5	13	EDP11S016DN1211000	Yes	A	ED2	30 x 24 x 14	42	$9,406	V1
	7 1/2	24	7 1/2	20	EDP11S024DN1211000	Yes	B	ED2	30 x 24 x 14	56	$10,025	V1
	10	28	10	24	EDP11S028DN1211000	Yes	B	ED2	30 x 24 x 14	56	$10,963	V1
	10	33.5	10	28	EDP11S033DN1211000	Yes	B	ED2	30 x 24 x 14	56	$11,774	V1
	15	45	15	36	EDP11S045DN1211000	Yes	C	ED3	36 x 30 x 14	88	$13,079	V1
	20	54	20	45	EDP11S054DN1211000	Yes	C	ED3	36 x 30 x 14	90	$14,501	V1
	25	70	20	56	EDP11S070DN1211000	Yes	C	ED3	36 x 30 x 14	100	$15,620	V1
	30	86	25	70	EDP11S086DN1211000	Yes	D	ED4	48 x 30 x 17.5	230	$17,779	V1
	40	105	30	86	EDP11S105DN1211000	Yes	D	ED4	48 x 30 x 17.5	240	$20,815	V1
	50	142	40	115	EDP11S142DN1211000	No	E [5]	ED5	72 x 36 x 18	300	$25,541	V1
	60	180	50	142	EDP11S180DN1211000	No	E [5]	ED5	72 x 36 x 18	300	$31,874	V1
	75	211	60	180	EDP11S211DN1211000	No	E [5]	ED5	72 x 36 x 18	300	$36,414	V1
	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
460 Vac	2	3.6	2	3.6	EDP11S003GN1211000	Yes	A	ED2	30 x 24 x 14	36	$8,783	V1
	3	5.0	3	5.0	EDP11S005GN1211000	Yes	A	ED2	30 x 24 x 14	36	$8,899	V1
	5	7.0	3	5.5	EDP11S007GN1211000	Yes	A	ED2	30 x 24 x 14	41	$8,963	V1
	7 1/2	10	5	10	EDP11S010GN1211000	Yes	A	ED2	30 x 24 x 14	42	$9,039	V1
	10	13.5	7 1/2	11	EDP11S013GN1211000	Yes	A	ED2	30 x 24 x 14	42	$9,138	V1
	10	17	10	13.5	EDP11S017GN1211000	Yes	B	ED2	30 x 24 x 14	56	$9,630	V1
	15	24	10	19	EDP11S024GN1211000	Yes	B	ED2	30 x 24 x 14	56	$10,376	V1
	20	31	15	25	EDP11S031GN1211000	Yes	B	ED2	30 x 24 x 14	56	$11,246	V1
	25	38	20	33	EDP11S038GN1211000	Yes	C	ED3	36 x 30 x 14	90	$12,158	V1
	30	45	25	38	EDP11S045GN1211000	Yes	C	ED3	36 x 30 x 14	104	$13,432	V1
	40	58.5	30	47	EDP11S058GN1211000	Yes	C	ED3	36 x 30 x 14	110	$15,484	V1
	50/60	70.5	40	61	EDP11S070GN1211000	Yes	D	ED4	48 x 30 x 17.5	240	$16,187	V1
	75	88	50	73	EDP11S088GN1211000	Yes	D	ED4	48 x 30 x 17.5	245	$18,639	V1
	75	105	75	88	EDP11S105GN1211000	No	E [5]	ED5	72 x 36 x 18	300	$22,071	V1
	100/125	142	75	115	EDP11S142GN1211000	No	E [5]	ED5	72 x 36 x 18	300	$26,463	V1
	150	180	100	142	EDP11S180GN1211000	No	E [5]	ED5	72 x 36 x 18	300	$33,044	V1
	175	211	125	180	EDP11S211GN1211000	No	E [5]	ED5	72 x 36 x 18	300	$37,733	V1
	200	242	150	211	EDP11S242GN1211000	No	F [5]	ED7	83 x 64 x 37	700	$54,097	V1
	250	312	200	242	EDP11S312GN1211000	No	F [5]	ED7	83 x 64 x 37	720	$60,115	V1
	300	370	250	312	EDP11S370GN1211000	No	F [5]	ED7	83 x 64 x 37	750	$63,004	V1
	400	477	300	370	EDP11S477GN1211000	No	F [5]	ED7	83 x 64 x 37	775	$77,476	V1
	450	515	400	477	EDP11S515GN1211000	No	G [5]	ED9	83 x 95 x 37	1100	$88,914	V1
	500	601	450	515	EDP11S601GN1211000	No	G [5]	ED9	83 x 95 x 37	1120	$100,305	V1
	600	720	500	560	EDP11S720GN1211000	No	G [6]	ED9	83 x 95 x 37	1150	$120,802	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; 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) 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)

Motor Voltage	ND / VT1		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP 2	Drive Amps [3]								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	EDP11S007DN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$8,521	V1
	3	10	2	8.0	EDP11S010DN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$8,587	V1
	5	13	3	11	EDP11S013DN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	41	$8,686	V1
	5	16	5	13	EDP11S016DN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	42	$8,918	V1
	7 1/2	24	7 1/2	20	EDP11S024DN3R	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$9,459	V1
	10	28	10	24	EDP11S028DN3R	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$10,202	V1
	10	33.5	10	28	EDP11S033DN3R	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$10,902	V1
	15	45	15	36	EDP11S045DN3R	Yes	C [5]	ED2	32.5 x 24 x 14	88	$12,122	V1
	20	54	20	45	EDP11S054DN3R	Yes	C [5]	ED2	32.5 x 24 x 14	90	$13,400	V1
	25	70	20	56	EDP11S070DN3R	Yes	C [5]	ED2	32.5 x 24 x 14	100	$14,162	V1
	30	86	25	70	EDP11S086DN3R	Yes	D [5]	ED3	38.5 x 30 x 14	230	$16,320	V1
	40	105	30	86	EDP11S105DN3R	Yes	D [5]	ED3	38.5 x 30 x 14	240	$19,338	V1
	50	142	40	115	EDP11S142DN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$21,967	V1
	60	180	50	142	EDP11S180DN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$27,290	V1
	75	211	60	180	EDP11S211DN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$30,499	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
	2	3.6	2	3.6	EDP11S003GN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$8,341	V1
	3	5.0	3	5.0	EDP11S005GN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$8,457	V1
	5	7.0	3	5.5	EDP11S007GN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	41	$8,521	V1
	7 1/2	10	5	10	EDP11S010GN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	42	$8,587	V1
	10	13.5	7 1/2	11	EDP11S013GN3R	Yes	A [5]	ED1	26.5 x 20 x 11.5	42	$8,686	V1
	10	17	10	13.5	EDP11S017GN3R	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$9,100	V1
	15	24	10	19	EDP11S024GN3R	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$9,652	V1
	20	31	15	25	EDP11S031GN3R	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$10,411	V1
	25	38	20	33	EDP11S038GN3R	Yes	C [5]	ED2	32.5 x 24 x 14	90	$11,125	V1
	30	45	25	38	EDP11S045GN3R	Yes	C [5]	ED2	32.5 x 24 x 14	104	$12,369	V1
	40	58.5	30	47	EDP11S058GN3R	Yes	C [5]	ED2	32.5 x 24 x 14	110	$13,673	V1
	50/60	70.5	40	61	EDP11S070GN3R	Yes	D [5]	ED3	38.5 x 30 x 14	240	$14,451	V1
	75	88	50	73	EDP11S088GN3R	Yes	D [5]	ED3	38.5 x 30 x 14	245	$16,653	V1
	75	105	75	88	EDP11S105GN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$19,733	V1
	100/125	142	75	115	EDP11S142GN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$22,415	V1
	150	180	100	142	EDP11S180GN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$27,847	V1
	175	211	125	180	EDP11S211GN3R	No	E [6]	ED4	50.5 x 30 x 17.5	300	$31,122	V1
	200	242	150	211	EDP11S242GN3R	No	F [6]	ED6	83 x 32 x 41	700	$45,693	V1
	250	312	200	242	EDP11S312GN3R	No	F [6]	ED6	83 x 32 x 41	720	$50,053	V1
	300	370	250	312	EDP11S370GN3R	No	F [6]	ED6	83 x 32 x 41	750	$52,682	V1
	400	477	300	370	EDP11S477GN3R	No	F [6]	ED6	83 x 32 x 41	775	$59,523	V1
	450	515	400	477	EDP11S515GN3R	No	G [6]	ED8	83 x 56 x 37	1100	$71,976	V1
	500	601	450	515	EDP11S601GN3R	No	G [6]	ED8	83 x 56 x 37	1120	$77,828	V1
	600	720	500	560	EDP11S720GN3R	No	G [7]	ED8	83 x 56 x 37	1150	$94,509	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 - 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 38°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.

Variable Frequency Drives

EDP11

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

Motor Voltage	ND / VT1		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]								
	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
230 Vac	2	7.0	1 1/2	5.5	EDP11S007DN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$10,031	V1
	3	10	2	8.0	EDP11S010DN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$10,107	V1
	5	13	3	11	EDP11S013DN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	41	$10,206	V1
	5	16	5	13	EDP11S016DN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	42	$10,438	V1
	7 1/2	24	7 1/2	20	EDP11S024DN3R10000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$11,057	V1
	10	28	10	24	EDP11S028DN3R10000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$11,994	V1
	10	33.5	10	28	EDP11S033DN3R10000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$12,805	V1
	15	45	15	36	EDP11S045DN3R10000	Yes	C [5]	ED3	32.5 x 24 x 14	88	$14,224	V1
	20	54	20	45	EDP11S054DN3R10000	Yes	C [5]	ED3	32.5 x 24 x 14	90	$15,647	V1
	25	70	20	56	EDP11S070DN3R10000	Yes	C [5]	ED3	32.5 x 24 x 14	100	$16,857	V1
	30	86	25	70	EDP11S086DN3R10000	Yes	D [5]	ED4	38.5 x 30 x 14	230	$19,015	V1
	40	105	30	86	EDP11S105DN3R10000	Yes	D [5]	ED4	38.5 x 30 x 14	240	$22,226	V1
	50	142	40	115	EDP11S142DN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$26,952	V1
	60	180	50	142	EDP11S180DN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$33,285	V1
	75	211	60	180	EDP11S211DN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$37,824	V1
	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
460 Vac	2	3.6	2	3.6	EDP11S003GN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$9,851	V1
	3	5.0	3	5.0	EDP11S005GN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$9,967	V1
	5	7.0	3	5.5	EDP11S007GN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	41	$10,031	V1
	7 1/2	10	5	10	EDP11S010GN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	42	$10,107	V1
	10	13.5	7 1/2	11	EDP11S013GN3R10000	Yes	A [5]	ED2	26.5 x 20 x 11.5	42	$10,206	V1
	10	17	10	13.5	EDP11S017GN3R10000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$10,698	V1
	15	24	10	19	EDP11S024GN3R10000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$11,444	V1
	20	31	15	25	EDP11S031GN3R10000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$12,314	V1
	25	38	20	33	EDP11S038GN3R10000	Yes	C [5]	ED3	32.5 x 24 x 14	90	$13,227	V1
	30	45	25	38	EDP11S045GN3R10000	Yes	C [5]	ED3	32.5 x 24 x 14	104	$14,616	V1
	40	58.5	30	47	EDP11S058GN3R10000	Yes	C [5]	ED3	32.5 x 24 x 14	110	$16,368	V1
	50/60	70.5	40	61	EDP11S070GN3R10000	Yes	D [5]	ED4	38.5 x 30 x 14	240	$17,146	V1
	75	88	50	73	EDP11S088GN3R10000	Yes	D [5]	ED4	38.5 x 30 x 14	245	$19,541	V1
	75	105	75	88	EDP11S105GN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$23,077	V1
	100/125	142	75	115	EDP11S142GN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$27,400	V1
	150	180	100	142	EDP11S180GN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$33,842	V1
	175	211	125	180	EDP11S211GN3R10000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$38,447	V1
	200	242	150	211	EDP11S242GN3R10000	No	F [6]	ED7	83 x 32 x 41	700	$58,272	V1
	250	312	200	242	EDP11S312GN3R10000	No	F [6]	ED7	83 x 32 x 41	720	$64,196	V1
	300	370	250	312	EDP11S370GN3R10000	No	F [6]	ED7	83 x 32 x 41	750	$67,085	V1
	400	477	300	370	EDP11S477GN3R10000	No	F [6]	ED7	83 x 32 x 41	775	$81,556	V1
	450	515	400	477	EDP11S515GN3R10000	No	G [6]	ED9	83 x 56 x 37	1100	$94,009	V1
	500	601	450	515	EDP11S601GN3R10000	No	G [6]	ED9	83 x 56 x 37	1120	$105,400	V1
	600	720	500	560	EDP11S720GN3R10000	No	G [7]	ED9	83 x 56 x 37	1150	$125,897	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 - 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 38°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 / VT1		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	EDP11S007DN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$9,284	V1
	3	10	2	8.0	EDP11S010DN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$9,350	V1
	5	13	3	11	EDP11S013DN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	41	$9,449	V1
	5	16	5	13	EDP11S016DN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	42	$9,681	V1
	7 1/2	24	7 1/2	20	EDP11S024DN3R01000	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$10,222	V1
	10	28	10	24	EDP11S028DN3R01000	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$10,965	V1
	10	33.5	10	28	EDP11S033DN3R01000	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$11,665	V1
	15	45	15	36	EDP11S045DN3R01000	Yes	C [5]	ED2	32.5 x 24 x 14	88	$12,885	V1
	20	54	20	45	EDP11S054DN3R01000	Yes	C [5]	ED2	32.5 x 24 x 14	90	$14,163	V1
	25	70	20	56	EDP11S070DN3R01000	Yes	C [5]	ED2	32.5 x 24 x 14	100	$14,925	V1
	30	86	25	70	EDP11S086DN3R01000	Yes	D [5]	ED3	38.5 x 30 x 14	230	$17,083	V1
	40	105	30	86	EDP11S105DN3R01000	Yes	D [5]	ED3	38.5 x 30 x 14	240	$20,101	V1
	50	142	40	115	EDP11S142DN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$22,730	V1
	60	180	50	142	EDP11S180DN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$28,053	V1
	75	211	60	180	EDP11S211DN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$31,262	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
	2	3.6	2	3.6	EDP11S003GN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$9,104	V1
	3	5.0	3	5.0	EDP11S005GN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	36	$9,220	V1
	5	7.0	3	5.5	EDP11S007GN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	41	$9,284	V1
	7 1/2	10	5	10	EDP11S010GN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	42	$9,350	V1
	10	13.5	7 1/2	11	EDP11S013GN3R01000	Yes	A [5]	ED1	26.5 x 20 x 11.5	42	$9,449	V1
	10	17	10	13.5	EDP11S017GN3R01000	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$9,863	V1
	15	24	10	19	EDP11S024GN3R01000	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$10,415	V1
	20	31	15	25	EDP11S031GN3R01000	Yes	B [5]	ED1	26.5 x 20 x 11.5	56	$11,174	V1
	25	38	20	33	EDP11S038GN3R01000	Yes	C [5]	ED2	32.5 x 24 x 14	90	$11,888	V1
	30	45	25	38	EDP11S045GN3R01000	Yes	C [5]	ED2	32.5 x 24 x 14	104	$13,132	V1
	40	58.5	30	47	EDP11S058GN3R01000	Yes	C [5]	ED2	32.5 x 24 x 14	110	$14,436	V1
	50/60	70.5	40	61	EDP11S070GN3R01000	Yes	D [5]	ED3	38.5 x 30 x 14	240	$15,214	V1
	75	88	50	73	EDP11S088GN3R01000	Yes	D [5]	ED3	38.5 x 30 x 14	245	$17,416	V1
	75	105	75	88	EDP11S105GN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$20,496	V1
	100/125	142	75	115	EDP11S142GN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$23,178	V1
	150	180	100	142	EDP11S180GN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$28,610	V1
	175	211	125	180	EDP11S211GN3R01000	No	E [6]	ED4	50.5 x 30 x 17.5	300	$31,885	V1
	200	242	150	211	EDP11S242GN3R01000	No	F [6]	ED6	83 x 32 x 41	700	$46,456	V1
	250	312	200	242	EDP11S312GN3R01000	No	F [6]	ED6	83 x 32 x 41	720	$50,911	V1
	300	370	250	312	EDP11S370GN3R01000	No	F [6]	ED6	83 x 32 x 41	750	$53,540	V1
	400	477	300	370	EDP11S477GN3R01000	No	F [6]	ED6	83 x 32 x 41	775	$60,381	V1
	450	515	400	477	EDP11S515GN3R01000	No	G [6]	ED8	83 x 56 x 37	1100	$72,834	V1
	500	601	450	515	EDP11S601GN3R01000	No	G [6]	ED8	83 x 56 x 37	1120	$78,686	V1
	600	720	500	560	EDP11S720GN3R01000	No	G [7]	ED8	83 x 56 x 37	1150	$95,367	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 - 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 38°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.

Variable Frequency Drives

EDP11

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

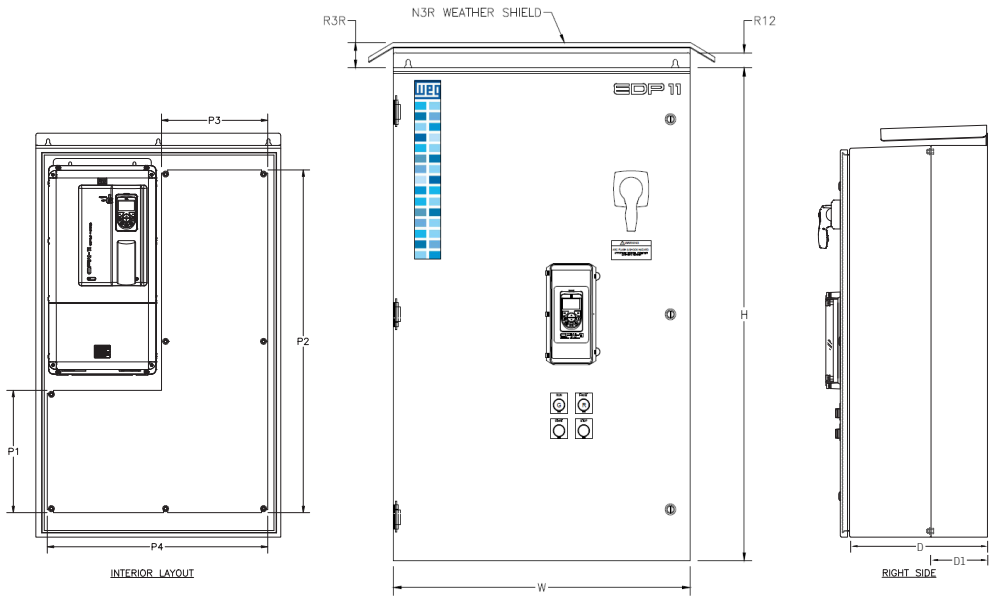
Motor Voltage	ND / VT[1]		HD / CT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Dimensions (in.) HxWxD [7]	Approx. Weight (lbs.) [7]	List Price	Multiplier
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor											
	2	7.0	1 1/2	5.5	EDP11S007DN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$10,794	V1
	3	10	2	8.0	EDP11S010DN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$10,870	V1
	5	13	3	11	EDP11S013DN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	41	$10,969	V1
	5	16	5	13	EDP11S016DN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	42	$11,201	V1
	7 1/2	24	7 1/2	20	EDP11S024DN3R11000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$11,820	V1
	10	28	10	24	EDP11S028DN3R11000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$12,757	V1
	10	33.5	10	28	EDP11S033DN3R11000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$13,568	V1
	15	45	15	36	EDP11S045DN3R11000	Yes	C [5]	ED3	32.5 x 24 x 14	88	$14,987	V1
	20	54	20	45	EDP11S054DN3R11000	Yes	C [5]	ED3	32.5 x 24 x 14	90	$16,410	V1
	25	70	20	56	EDP11S070DN3R11000	Yes	C [5]	ED3	32.5 x 24 x 14	100	$17,620	V1
	30	86	25	70	EDP11S086DN3R11000	Yes	D [5]	ED4	38.5 x 30 x 14	230	$19,778	V1
	40	105	30	86	EDP11S105DN3R11000	Yes	D [5]	ED4	38.5 x 30 x 14	240	$22,989	V1
	50	142	40	115	EDP11S142DN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$27,715	V1
	60	180	50	142	EDP11S180DN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$34,048	V1
	75	211	60	180	EDP11S211DN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$38,587	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor											
	2	3.6	2	3.6	EDP11S003GN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$10,614	V1
	3	5.0	3	5.0	EDP11S005GN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	36	$10,730	V1
	5	7.0	3	5.5	EDP11S007GN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	41	$10,794	V1
	7 1/2	10	5	10	EDP11S010GN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	42	$10,870	V1
	10	13.5	7 1/2	11	EDP11S013GN3R11000	Yes	A [5]	ED2	26.5 x 20 x 11.5	42	$10,969	V1
	10	17	10	13.5	EDP11S017GN3R11000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$11,461	V1
	15	24	10	19	EDP11S024GN3R11000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$12,207	V1
	20	31	15	25	EDP11S031GN3R11000	Yes	B [5]	ED2	26.5 x 20 x 11.5	56	$13,077	V1
	25	38	20	33	EDP11S038GN3R11000	Yes	C [5]	ED3	32.5 x 24 x 14	90	$13,873	V1
	30	45	25	38	EDP11S045GN3R11000	Yes	C [5]	ED3	32.5 x 24 x 14	104	$15,233	V1
	40	58.5	30	47	EDP11S058GN3R11000	Yes	C [5]	ED3	32.5 x 24 x 14	110	$16,683	V1
	50/60	70.5	40	61	EDP11S070GN3R11000	Yes	D [5]	ED4	38.5 x 30 x 14	240	$17,909	V1
	75	88	50	73	EDP11S088GN3R11000	Yes	D [5]	ED4	38.5 x 30 x 14	245	$20,304	V1
	75	105	75	88	EDP11S105GN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$23,840	V1
	100/125	142	75	115	EDP11S142GN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$28,163	V1
	150	180	100	142	EDP11S180GN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$34,605	V1
	175	211	125	180	EDP11S211GN3R11000	No	E [6]	ED5	50.5 x 30 x 17.5	300	$39,210	V1
	200	242	150	211	EDP11S242GN3R11000	No	F [6]	ED7	83 x 32 x 41	700	$59,035	V1
	250	312	200	242	EDP11S312GN3R11000	No	F [6]	ED7	83 x 32 x 41	720	$65,054	V1
	300	370	250	312	EDP11S370GN3R11000	No	F [6]	ED7	83 x 32 x 41	750	$67,943	V1
	400	477	300	370	EDP11S477GN3R11000	No	F [6]	ED7	83 x 32 x 41	775	$82,414	V1
	450	515	400	477	EDP11S515GN3R11000	No	G [6]	ED9	83 x 56 x 37	1100	$94,867	V1
	500	601	450	515	EDP11S601GN3R11000	No	G [6]	ED9	83 x 56 x 37	1120	$106,258	V1
	600	720	500	560	EDP11S720GN3R11000	No	G [7]	ED9	83 x 56 x 37	1150	$126,755	V1

Notes:

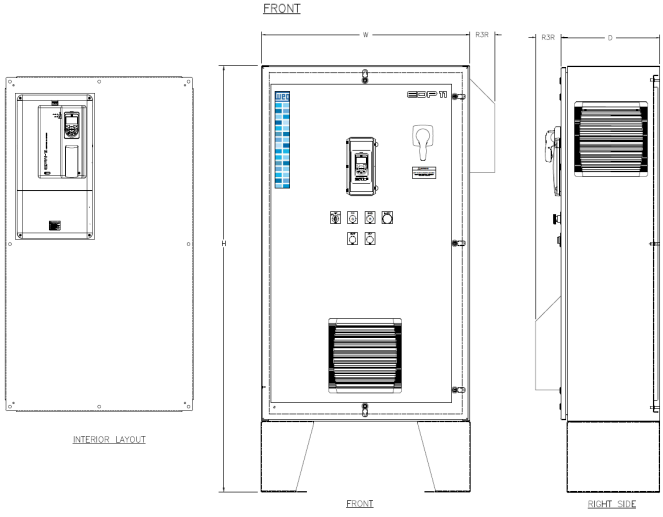
1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - 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 38°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	16	N/A	4	N/A

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.

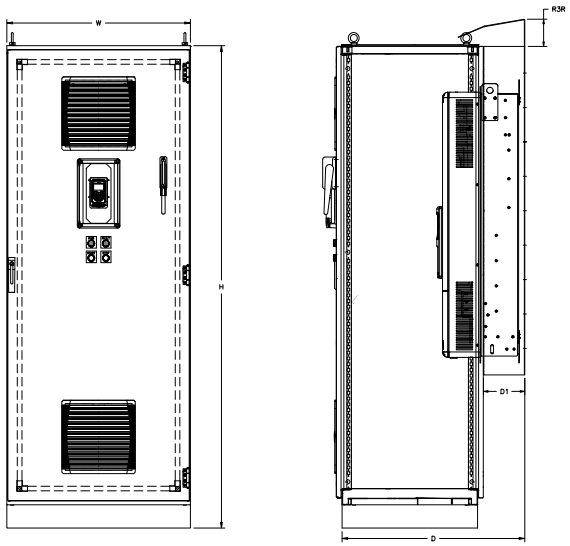
*For NEMA 3R cabinet **For NEMA 12 cabinet

Variable Frequency Drives

EDP11

Enclosure Frame Size

ED 6



FRONT EXTERIOR VIEW

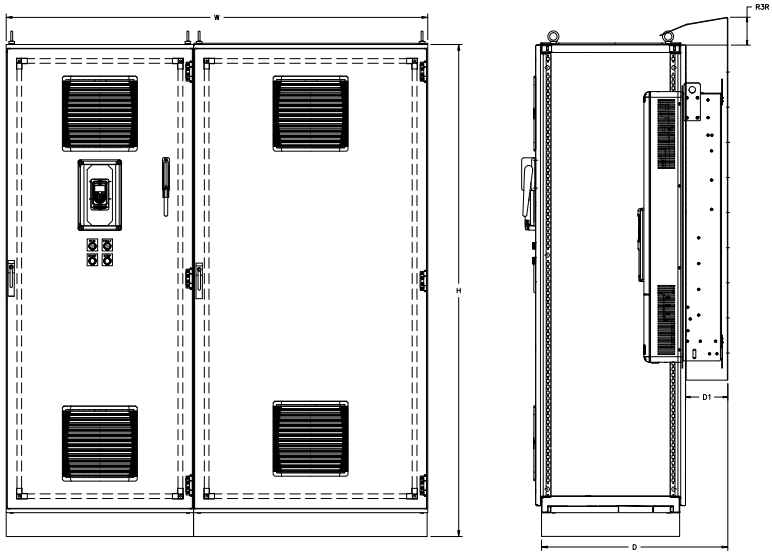
SIDE EXTERIOR VIEW

Dimensions

Frame	H	W	D(N12)	D(N3R)	D1(N12)	D1(N3R)	R3R	N12
ED6	83	32	31.4	41	6.2	11.4	2.5	1.5
ED7	83	63	31.4	41	6.2	11.4	2.5	1.5
ED8	83	56	31.9	41	7.5	11.4	2.5	1.5
ED9	83	95	31.9	41	7.5	11.4	2.5	1.5

NOTE: ED5 - ED9 enclosures are ventilated and floor-mounted

ED 7, 8, 9



FRONT EXTERIOR VIEW

SIDE EXTERIOR VIEW

My Notes:

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.

c UL us

Standard Features:

- CFW11M
- Circuit Breaker with through door handle
- Line Reactor
- 6 pulse Rectifier Bridge
- High Speed fuses on DC Link
- CPT
- Standard Enclosure N12 filtered
- Pre-charge circuit
- Start/Stop push button
- E-stop
- Graphic keypad
- All circuit boards conformal coated

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

CFW11M	0985	T	4	Z

Rated Current

0600 = 600 Amps
0760 = 760 Amps
0811 = 811 Amps
0985 = 985 Amps
1710 = 1710 Amps
1786 = 1786 Amps
2026 = 2026 Amps
2232 = 2232 Amps
2850 = 2850 Amps

Configuration

Z = End of Number

Supply Voltage

4 = 380-480 Vac
5 = 500-600 Vac
6 = 600-690 Vac

Supply Phases

T = Three Phase

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

Variable Frequency Drives

CFW11M

Modular Drive in NEMA 12 Enclosure

Motor Voltage	Motor HP [2] ND / VT [1]	Drive Amps [3] ND / VT [1]	Motor HP [2] HD / CT [1]	Drive Amps [3] HD / CT [1]	Catalog Number	Rectifier [4] Type (Pulses)	Dimensions (in.) HxWxD	List Price	Multiplier
	Input Power Supply: Three-Phase 380-480 Vac								
380-480 Vac	500	600	450	515	CFW11M0600T4Z	6 or 12	104 x 72 x 32	$70,404	V2
	600	760	500	600	CFW11M0760T4Z	6 or 12	104 x 72 x 32	$93,867	V2
	700	865	600	700	CFW11M0865T4Z	6 or 12	104 x 72 x 32	$101,514	V2
	800	985	700	800	CFW11M0985T4Z	6 or 12	104 x 72 x 32	$111,015	V2
	1000	1140	800	979	CFW11M1140T4Z	6 or 12	104 x 72 x 32	$132,772	V2
	1500	1710	1200	1468	CFW11M1710T4Z	6 or 12	104 x 96 x 34	$182,457	V2
	2000	2280	1600	1957	CFW11M2280T4Z	6 or 12	104 x 112 x 34	$233,163	V2
	2500	2850	2000	2446	CFW11M2850T4Z	6 or 12	104 x 128 x 34	$281,783	V2
	Input Power Supply: Three-Phase 500-600 Vac								
500-600 Vac	500	470	400	380	CFW11M0470T5Z	6 or 12	104 x 72 x 34	$88,827	V2
	1000	893	800	722	CFW11M0893T5Z	6 or 12	104 x 72 x 34	$162,206	V2
	1500	1340	1250	1083	CFW11M1340T5Z	6 or 12	104 x 96 x 34	$219,195	V2
	2000	1786	1600	1444	CFW11M1786T5Z	6 or 12	104 x 112 x 34	$283,971	V2
	2500	2232	2000	1805	CFW11M2232T5Z	6 or 12	104 x 128 x 34	$330,727	V2
	Input Power Supply: Three-Phase 660-690 Vac								
660-690 Vac	500	427	400	340	CFW11M0427T6Z	6 or 12	104 x 72 x 34	$89,511	V2
	1000	811	800	646	CFW11M0811T6Z	6 or 12	104 x 72 x 34	$161,924	V2
	1500	1217	1250	969	CFW11M1217T6Z	6 or 12	104 x 96 x 34	$220,669	V2
	2000	1622	1600	1292	CFW11M1622T6Z	6 or 12	104 x 112 x 34	$283,380	V2
	2500	2028	2000	1615	CFW11M2026T6Z	6 or 12	104 x 128 x 34	$329,690	V2

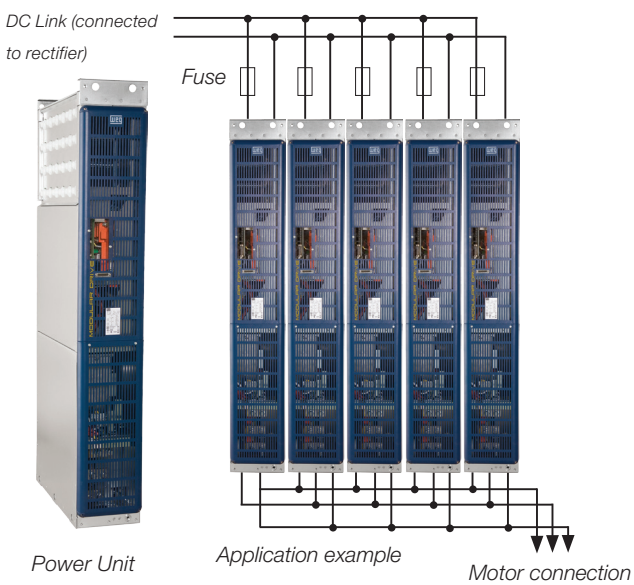
Notes:
1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
2) "HP" rating based on "average FLA values". Use as a guide only. Motor FLA may vary with speed and manufacturer.
3) ALWAYS compare motor FLA to Nominal AMPS of drive.
4) 6-Pulse configuration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

Consult factory for individual module pricing

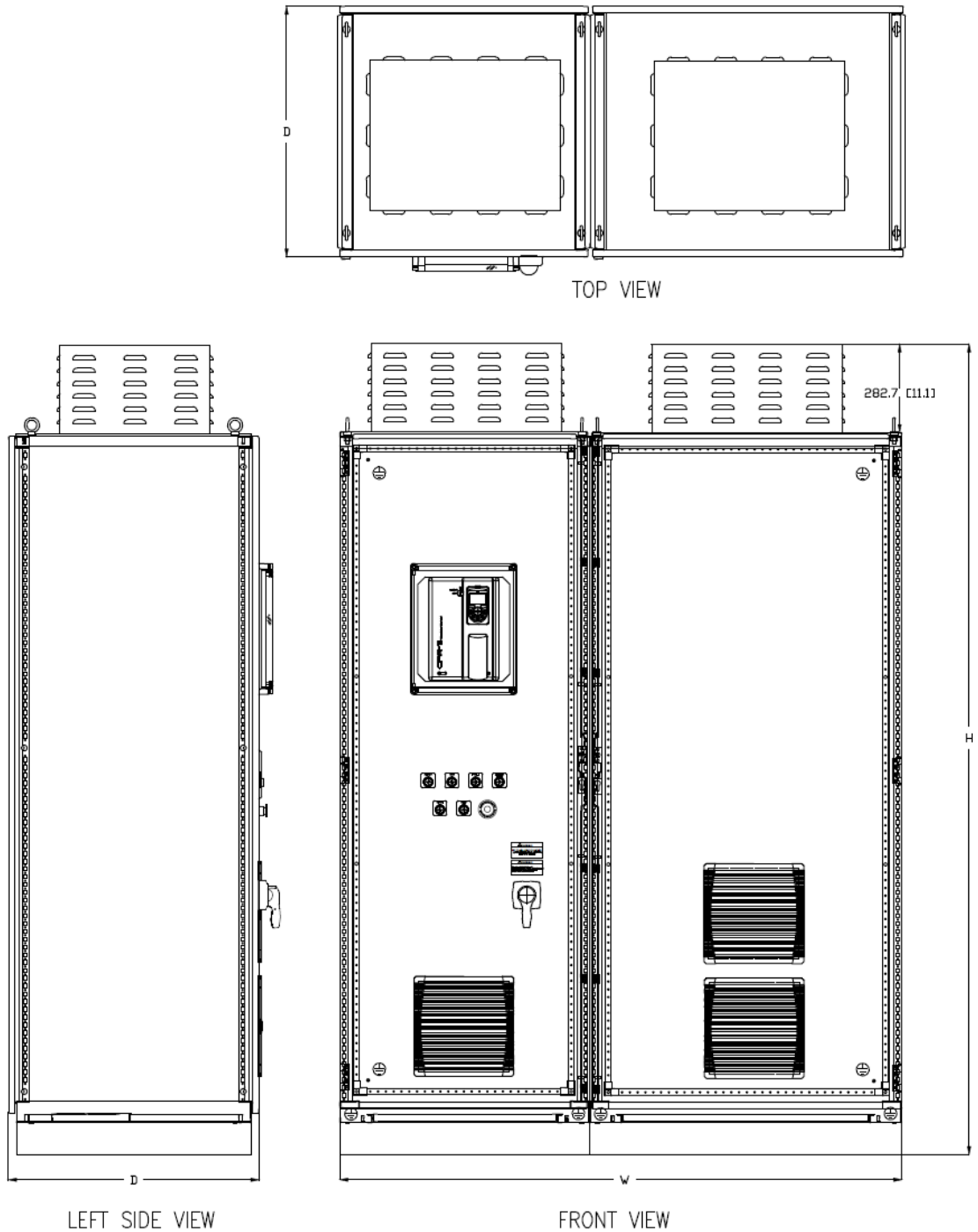
Power Unit

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



Dimensions



Freestanding Enclosure

My Notes:

SSW05

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 micro size 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 bypass contacts
- 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

Soft Starters

SSW05

SSW05 Catalog Number Sequence

SSW05	0010	T	2246	E	P	Z

Rated Current

- 0010 = 10 Amps
- 0016 = 16 Amps
- 0023 = 23 Amps
- 0030 = 30 Amps
- 0045 = 45 Amps
- 0060 = 60 Amps
- 0085 = 85 Amps

Supply Voltage

- 2246 = 220-460 Vac

Supply Phases

- T = Three Phase

Version

- P = Plus Version
- Z = End

Manuals

- E = English Manual
- S = Spanish Manual
- P = Portugese Manual

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
230 Vac	Input Power Supply: Three-Phase 230 Vac							
	3	10	SSW050010T2246EPZ	1	5.1 x 2.3 x 5.7	3	$531	E1
	5	16	SSW050016T2246EPZ	1	5.1 x 2.3 x 5.7	3	$603	E1
	7.5	23	SSW050023T2246EPZ	1	5.1 x 2.3 x 5.7	3	$694	E1
	10	30	SSW050030T2246EPZ	1	5.1 x 2.3 x 5.7	3	$754	E1
	15	45	SSW050045T2246EPZ	2	7.3 x 3.1 x 6.8	6	$943	E1
	25	60	SSW050060T2246EPZ	2	7.3 x 3.1 x 6.8	6	$1,135	E1
	30	85	SSW050085T2246EPZ	2	7.3 x 3.1 x 6.8	6	$1,382	E1
460 Vac	Input Power Supply: Three-Phase 460 Vac							
	5	10	SSW050010T2246EPZ	1	5.1 x 2.3 x 5.7	3	$531	E1
	10	16	SSW050016T2246EPZ	1	5.1 x 2.3 x 5.7	3	$603	E1
	15	23	SSW050023T2246EPZ	1	5.1 x 2.3 x 5.7	3	$694	E1
	20	30	SSW050030T2246EPZ	1	5.1 x 2.3 x 5.7	3	$754	E1
	30	45	SSW050045T2246EPZ	2	7.3 x 3.1 x 6.8	6	$943	E1
	40	60	SSW050060T2246EPZ	2	7.3 x 3.1 x 6.8	6	$1,135	E1
	60 / 75	85	SSW050085T2246EPZ	2	7.3 x 3.1 x 6.8	6	$1,382	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. HD current rating with 140% O/L

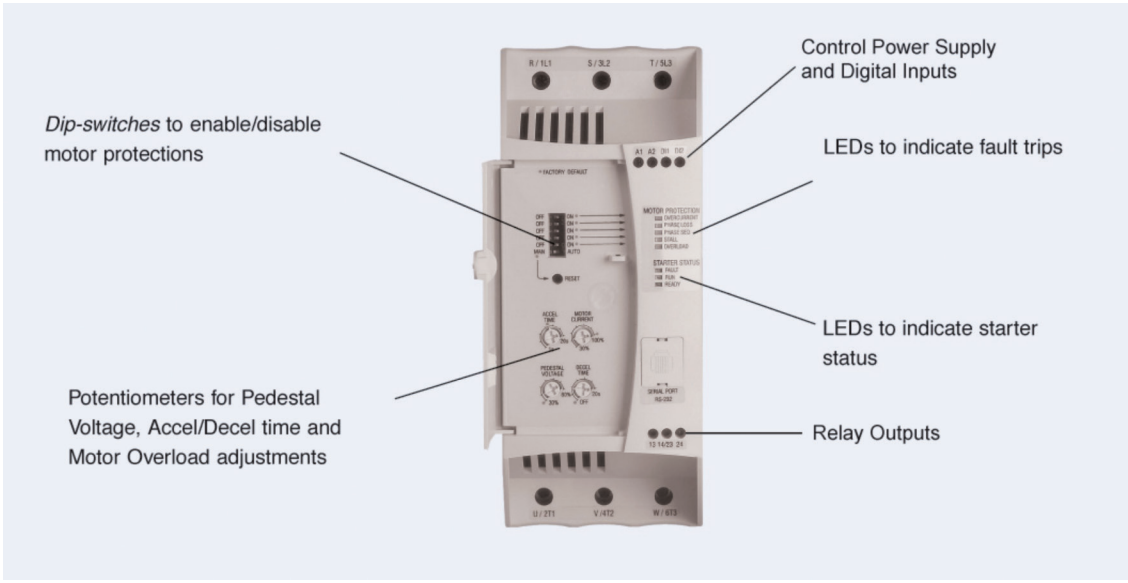
Options and Accessories

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

Soft Starters

SSW05

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	One relay output for Run indication (1 Amp - 250V)
		One relay output for Ful Voltage indication (1 Amp - 250V)
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 ... 131ºF (0 - 55ºC)
	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	EMC Directive 89 / 336 / EEC - Industrial Environment, Class A

** Can be disabled*

My Notes:

SSW07

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 55ºC 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

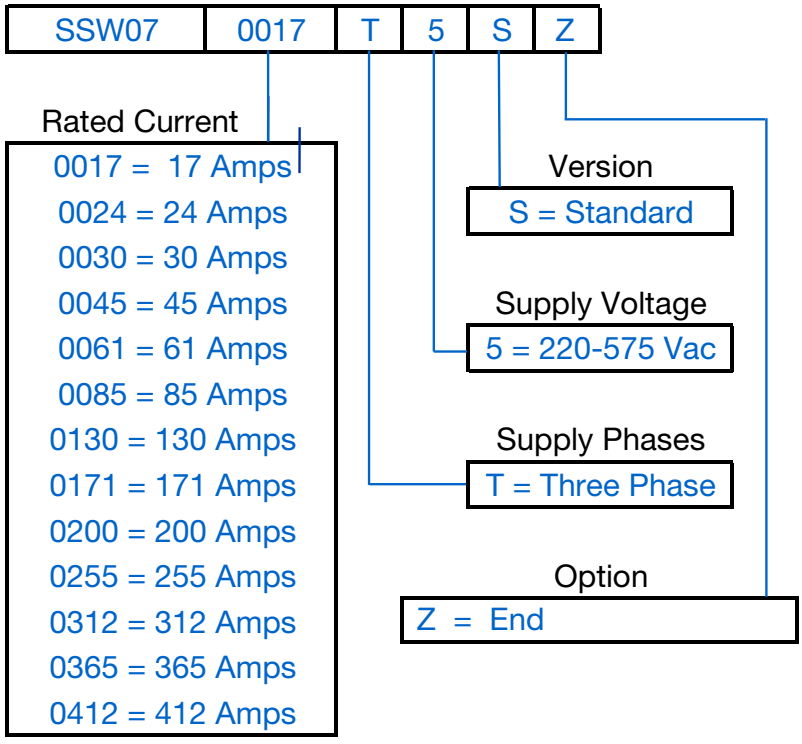


Table intended as reference only and not to create part numbers.

Soft Starters

SSW07

Protected Chassis Enclosure

Motor Voltage	Motor HP [1]	Starter Amps [2]	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
230 Vac	**Input Power Supply: Three-Phase 230 Vac**							
	5	17	SSW070017T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,158**	E1
	7.5	24	SSW070024T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,241**	E1
	10	30	SSW070030T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,281**	E1
	15	45	SSW070045T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,461**	E1
	25	61	SSW070061T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,646**	E1
	30	85	SSW070085T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,992**	E1
	50	130	SSW070130T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$2,501**	E1
	60	171	SSW070171T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$3,177**	E1
	75	200	SSW070200T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$3,766**	E1
	100	255	SSW070255T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$4,598**	E1
	125	312	SSW070312T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$4,992**	E1
	150	365	SSW070365T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$5,187**	E1
	150	412	SSW070412T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$6,088**	E1
460 Vac	**Input Power Supply: Three-Phase 460 Vac**							
	10	17	SSW070017T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,158**	E1
	15	24	SSW070024T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,241**	E1
	20	30	SSW070030T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,281**	E1
	30	45	SSW070045T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,461**	E1
	50	61	SSW070061T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,646**	E1
	75	85	SSW070085T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,992**	E1
	100	130	SSW070130T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$2,501**	E1
	125	171	SSW070171T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$3,177**	E1
	150	200	SSW070200T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$3,766**	E1
	200	255	SSW070255T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$4,598**	E1
	250	312	SSW070312T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$4,992**	E1
	300	365	SSW070365T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$5,187**	E1
	350	412	SSW070412T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$6,088**	E1
575 Vac	**Input Power Supply: Three-Phase 575 Vac**							
	15	17	SSW070017T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,158**	E1
	20	24	SSW070024T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,241**	E1
	30	30	SSW070030T5SZ	1	6.4 x 3.74 x 6.1	2.9	**$1,281**	E1
	40	45	SSW070045T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,461**	E1
	60	61	SSW070061T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,646**	E1
	75	85	SSW070085T5SZ	2	8.2 x 5.6 x 8.0	7.3	**$1,992**	E1
	125	130	SSW070130T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$2,501**	E1
	175	171	SSW070171T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$3,177**	E1
	200	200	SSW070200T5SZ	3	10.9 x 8.6 x 8.7	16.8	**$3,766**	E1
	250	255	SSW070255T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$4,598**	E1
	300	312	SSW070312T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$4,992**	E1
	350	365	SSW070365T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$5,187**	E1
	400	412	SSW070412T5SZ	4	13.0 x 9.0 x 9.6	25.4	**$6,088**	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. HD current rating with 140% O/L

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs.)	List Price	Multiplier
Keypad	HMI-LOCAL-SSW07	Local Keypad - Mounts on SSW07 Soft Starter	1.1	$174	E1
	HMI-REMOTE-SSW07	Remote Keypad Kit - Includes HMI and Interface Module	3.1	$340	E1
	HMI-SSW07-REM+RS485	Remote Keypad Kit - Includes HMI RS485 Comm. Card	3.8	$427	E1
Remote Cable	CAB-RS-1	3.3 ft (1 meter) Remote Keypad Cable	0.5	$23	V1
	CAB-RS-2	6.6 ft (2 meter) Remote Keypad Cable	0.7	$31	V1
	CAB-RS-3	9.9 ft (3 meter) Remote Keypad Cable	1.0	$41	V1
	CAB-RS-5	16 ft (5 meter) Remote Keypad Cable	1.2	$51	V1
	CAB-RS-7.5	25 ft (7.5 meter) Remote Keypad Cable	1.5	$62	V1
	CAB-RS-10	33 ft (10 meter) Remote Keypad Cable	2.0	$72	V1
Communication	KRS-232-SSW07	RS-232 Communication Kit	1.6	$121	E1
	KRS-485-SSW07	RS-485 Communication Kit	1.6	$201	E1
	CAB-COMM-3	Cable for Communication RS232 (DB9-DB9) - 9.9ft. (3 meter)	1.1	$75	E1
	CAB-COMM-10	Cable for Communication RS232 (DB9-DB9) - 33 ft (10 meter)	2.0	$164	E1
	KFB-DN SSW07/08	DeviceNet Communication Kit plus Remote HMI Connection	2.3	$353	E1
Kits	SSW07-VENT KIT-M2 [1]	Ventilation Kit M2 (Frame Size 2, 45 to 85A)	1.4	$65	E1
	SSW07-VENT KIT-M3 [1]	Ventilation Kit M3 (Frame Size 3, 130 to 200A)	1.4	$94	E1
	KIT-PTC-SSW07-MOTOR	PTC Kit for motor	0.8	$123	E1
	KIT-IP20-SSW07	IP20 Kit for M3 (Frame Size 3, 130 to 200A)	1.1	$62	E1
	KIT-IP20-SSW07 SZ4	IP20 Kit for M4 (Frame Size 4, 255 to 412A)	1.1	$130	E1
	KSDG2-SSW07	Superdrive G2 Kit (Includes KRS-232-SSW07, CAB-COMM-3, CD Software)	1.9	$225	E1

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

Soft Starters

SSW07

Technical Data

Power Supply	Power	220 to 575 Vac	
	Control	110 to 240 Vca (-15% to +10%), or 94 to 264 Vac	
	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%	
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	

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)	

SSW06

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) bypass 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 Catalog Number Sequence

SSW06	0950	T	2257	E	S	H1	Z

Rated Current

0010 = 10 Amps
0023 = 23 Amps
0060 = 60 Amps
0130 = 130 Amps
0205 = 205 Amps
0312 = 312 Amps
0130 = 130 Amps
0480 = 480 Amps
0820 = 820 Amps
0950 = 950 Amps
1100 = 1100 Amps
1400 = 1400 Amps

Supply Voltage

2257 = 220-575 Vac

Supply Phases

T = Three Phase

Manuals

E = English Manual

Options

S = Standard
O = Options Added
20 = IP20 Protection
H1 = 120 Vac Aux. Fan *
H2 = 230 Vac Aux. Fan **
Z = End

** 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.

Soft Starters

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
	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	E1
	5	16	SSW060016T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,429	E1
	7.5	23	SSW060023T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,572	E1
	10	30	SSW060030T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,703	E1
	15	45	SSW060045T2257ESZ	2	14.6 x 5.2 x 9.6	19	$1,976	E1
	20	60	SSW060060T2257ESZ	2	14.6 x 5.2 x 9.6	19	$2,181	E1
	25 / 30	85	SSW060085T2257ESZ	2	14.6 x 5.2 x 9.6	19	$2,771	E1
	50	130	SSW060130T2257ESZ	2	14.6 x 5.2 x 9.6	19	$3,547	E1
	60	170	SSW060170T2257ESZ	3	17.3 x 8.8 x 11.0	41	$4,270	E1
	75	205	SSW060205T2257ESZ	3	17.3 x 8.8 x 11.0	41	$5,354	E1
	100	255	SSW060255T2257ESZ	4	21.6 x 14.6 x 12.3	92	$7,188	E1
	125	312	SSW060312T2257ESZ	4	21.6 x 14.6 x 12.3	92	$7,896	E1
	150	365	SSW060365T2257ESZ	4	21.6 x 14.6 x 12.3	92	$8,721	E1
	150	412	SSW060412T2257ESZ	5	26.0 x 15.0 x 14.0	122	$9,465	E1
	200	480	SSW060480T2257ESZ	5	26.0 x 15.0 x 14.0	122	$11,730	E1
	250	604	SSW060604T2257ESZ	5	26.0 x 15.0 x 14.0	122	$13,082	E1
	250	670	SSW060670T2257ESZ	6	32.0 x 22.0 x 15.0	265	$14,878	E1
	350	820	SSW060820T2257ESZ	6	32.0 x 22.0 x 15.0	265	$17,573	E1
	400	950	SSW060950T2257ESH1Z [3,4]	7	36.0 x 23.0 x 14.0	236	$26,592	E1
	400	950	SSW060950T2257ESH2Z [3,4]	7	36.0 x 23.0 x 14.0	236	$26,592	E1
	450	1100	SSW061100T2257ESH2Z [3,4]	8	49.0 x 27.0 x 18.0	480	$33,351	E1
	550	1400	SSW061400T2257ESH2Z [3,4]	8	49.0 x 27.0 x 18.0	480	$42,863	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	E1
	10	16	SSW060016T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,429	E1
	15	23	SSW060023T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,572	E1
	20	30	SSW060030T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,703	E1
	30	45	SSW060045T2257ESZ	2	14.6 x 5.2 x 9.6	19	$1,976	E1
	40	60	SSW060060T2257ESZ	2	14.6 x 5.2 x 9.6	19	$2,181	E1
	50 / 60 / 75	85	SSW060085T2257ESZ	2	14.6 x 5.2 x 9.6	19	$2,771	E1
	100	130	SSW060130T2257ESZ	2	14.6 x 5.2 x 9.6	19	$3,547	E1
	125	170	SSW060170T2257ESZ	3	17.3 x 8.8 x 11.0	41	$4,270	E1
	150	205	SSW060205T2257ESZ	3	17.3 x 8.8 x 11.0	41	$5,354	E1
	200	255	SSW060255T2257ESZ	4	21.6 x 14.6 x 12.3	92	$7,188	E1
	250	312	SSW060312T2257ESZ	4	21.6 x 14.6 x 12.3	92	$7,896	E1
	300	365	SSW060365T2257ESZ	4	21.6 x 14.6 x 12.3	92	$8,721	E1
	350	412	SSW060412T2257ESZ	5	26.0 x 15.0 x 14.0	122	$9,465	E1
	400	480	SSW060480T2257ESZ	5	26.0 x 15.0 x 14.0	122	$11,730	E1
	500	604	SSW060604T2257ESZ	5	26.0 x 15.0 x 14.0	122	$13,082	E1
	550	670	SSW060670T2257ESZ	6	32.0 x 22.0 x 15.0	265	$14,878	E1
	700	820	SSW060820T2257ESZ	6	32.0 x 22.0 x 15.0	265	$17,573	E1
	800	950	SSW060950T2257ESH1Z [3,4]	7	36.0 x 23.0 x 14.0	236	$26,592	E1
	800	950	SSW060950T2257ESH2Z [3,4]	7	36.0 x 23.0 x 14.0	236	$26,592	E1
	900	1100	SSW061100T2257ESH2Z [3,4]	8	49.0 x 27.0 x 18.0	480	$33,351	E1
	1200	1400	SSW061400T2257ESH2Z [3,4]	8	49.0 x 27.0 x 18.0	480	$42,863	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.

Protected Chassis Enclosure

Motor Voltage	Motor HP [1]	Starter Amps [2]	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
575 Vac	Input Power Supply: Three-Phase 575 Vac							
	7.5	10	SSW060010T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,386	E1
	15	16	SSW060016T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,429	E1
	20	23	SSW060023T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,572	E1
	30	30	SSW060030T2257ESZ	1	10.0 x 5.0 x 7.0	7.5	$1,703	E1
	40	45	SSW060045T2257ESZ	2	14.6 x 5.2 x 9.6	19	$1,976	E1
	60	60	SSW060060T2257ESZ	2	14.6 x 5.2 x 9.6	19	$2,181	E1
	75	85	SSW060085T2257ESZ	2	14.6 x 5.2 x 9.6	19	$2,771	E1
	125	130	SSW060130T2257ESZ	2	14.6 x 5.2 x 9.6	19	$3,547	E1
	150	170	SSW060170T2257ESZ	3	17.3 x 8.8 x 11.0	41	$4,270	E1
	200	205	SSW060205T2257ESZ	3	17.3 x 8.8 x 11.0	41	$5,354	E1
	250	255	SSW060255T2257ESZ	4	21.6 x 14.6 x 12.3	92	$7,188	E1
	300	312	SSW060312T2257ESZ	4	21.6 x 14.6 x 12.3	92	$7,896	E1
	350	365	SSW060365T2257ESZ	4	21.6 x 14.6 x 12.3	92	$8,721	E1
	450	412	SSW060412T2257ESZ	5	26.0 x 15.0 x 14.0	122	$9,465	E1
	500	480	SSW060480T2257ESZ	5	26.0 x 15.0 x 14.0	122	$11,730	E1
	650	604	SSW060604T2257ESZ	5	26.0 x 15.0 x 14.0	122	$13,082	E1
	750	670	SSW060670T2257ESZ	6	32.0 x 22.0 x 15.0	265	$14,878	E1
	850	820	SSW060820T2257ESZ	6	32.0 x 22.0 x 15.0	265	$17,573	E1
	1050	950	SSW060950T2257ESH1Z [3,4]	7	36.0 x 23.0 x 14.0	236	$26,592	E1
	1050	950	SSW060950T2257ESH2Z [3,4]	7	36.0 x 23.0 x 14.0	236	$26,592	E1
	1200	1100	SSW061100T2257ESH2Z [3,4]	8	49.0 x 27.0 x 18.0	480	$33,351	E1
	1500	1400	SSW061400T2257ESH2Z [3,4]	8	49.0 x 27.0 x 18.0	480	$42,863	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.

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
Keypad	HMI-SSW06-LCD	Standard Keypad with LED & LCD	$202	E1
	KMR-SSW06	Remote Keypad FRAME KIT	$63	E1
Remote Keypad Cables	CAB-HMI-SSW06-1	3.3 ft (1 meter) Remote Keypad Cable - SSW06	$33	E1
	CAB-HMI-SSW06-2	6.6 ft (2 meter) Remote Keypad Cable - SSW06	$39	E1
	CAB-HMI-SSW06-3	9.9 ft (3 meter) Remote Keypad Cable - SSW06	$44	E1
	CAB-HMI-SSW06-5	16 ft (5 meter) Remote Keypad Cable - SSW06	$68	E1
Communication	KFB-PDPV1-SSW06	Profibus DP-PV1 Communication Kit	$1,194	E1
	KFB-DD-SSW06	DeviceNet Drive Profile Communication Kit	$1,094	E1
	KFB-ENIP	Ethernet/IP Communication Kit	$2,100	E1
	KFB-PD	Profibus DP Communication Kit	$993	V1
	KFB-DN	DeviceNet Communication Kit	$872	V1
	KSDG2-SSW06	Superdrive G2 Kit	$62	E1
	KRS-485-SSW06	Interface for RS-485 Communication	$189	E1
I/O Expansion	KEIO SSW06	KEIO Module for SoftPLC application; 6 isolated DI, 6 relay DO	$780	E1
	K-PT100	PT100 temperature transducer board; 5 sensor inputs	$397	E1
IP20 Kits	KIT IP20 SSW06 M2	SSW06 IP20 Kit - Size 2 (85-130A)	$210	E1
	KIT IP20 SSW06 M3	SSW06 IP20 Kit - Size 3 (170-205A)	$236	E1
	KIT IP20 SSW06 M4	SSW06 IP20 Kit - Size 4 & 5 (255-604A)	$254	E1
	KIT IP20 SSW06 M6	SSW06 IP20 Kit - Size 6 (670-820A)	$536	E1

Soft Starters

SSW06

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	
Control Outputs	Relay	2 programmable outputs 250 VAC / 1A Form A Contact (NO)	
		1 programmable output 250 VAC / 1A Form C Contact (NO+NC)	
	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	

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 ºF (0 ... 55ºC): 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 10% / 1000 m Output Current De-rating
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

GPH2

The Combination Soft Starter is a NEMA 4/12 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

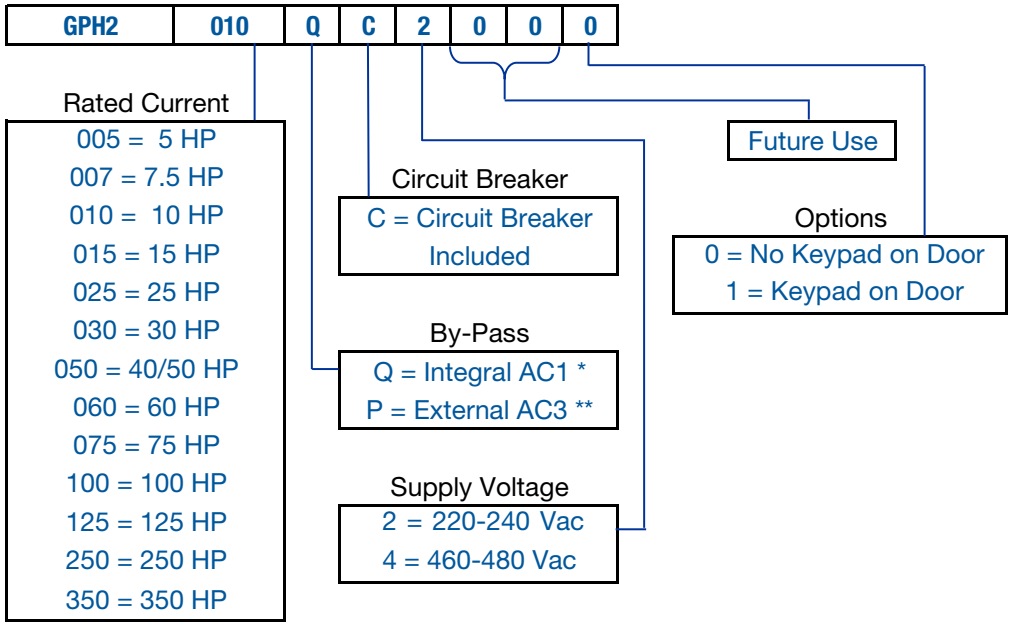
Applications

- 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

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.

Soft Starters

GPH2

NEMA 4 / 12 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
230 Vac	Input Power Supply: Three-Phase 200-240 Vac						
	5	17	GPH2005QC2000	1	140	$3,650	E1
	7.5	24	GPH2007QC2000	1	140	$3,750	E1
	10	30	GPH2010QC2000	1	140	$3,900	E1
	15	45	GPH2015QC2000	2	150	$4,300	E1
	25	61	GPH2025QC2000	2	150	$4,800	E1
	30	85	GPH2030QC2000	2	150	$5,800	E1
	50	130	GPH2050QC2000	3	280	$6,990	E1
	60	171	GPH2060QC2000	3	280	$7,500	E1
	75	200	GPH2075QC2000	3	280	$8,450	E1
	100	255	GPH2100QC2000	4	415	$10,700	E1
	125	312	GPH2125QC2000	4	415	$11,880	E1
	150	365	GPH2150QC2000	5	610	$12,700	E1
	175	412	GPH2175QC2000	5	610	$14,500	E1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac						
	10	17	GPH2010QC4000	1	140	$3,650	E1
	15	24	GPH2015QC4000	1	140	$3,750	E1
	20	30	GPH2020QC4000	1	140	$3,900	E1
	30	45	GPH2030QC4000	2	150	$4,300	E1
	40 / 50	61	GPH2050QC4000	2	150	$4,800	E1
	75	85	GPH2075QC4000	2	150	$5,800	E1
	100	130	GPH2100QC4000	3	280	$6,990	E1
	125	171	GPH2125QC4000	3	280	$7,500	E1
	150	200	GPH2150QC4000	3	280	$8,450	E1
	200	255	GPH2200QC4000	4	415	$10,700	E1
	250	312	GPH2250QC4000	4	415	$11,880	E1
	300	365	GPH2300QC4000	5	610	$12,700	E1
	350	412	GPH2350QC4000	5	610	$14,500	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 / 12 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
230 Vac	Input Power Supply: Three-Phase 200-240 Vac						
	5	17	GPH2005QC2001	1	140	$4,145	E1
	7.5	24	GPH2007QC2001	1	140	$4,245	E1
	10	30	GPH2010QC2001	1	140	$4,395	E1
	15	45	GPH2015QC2001	2	150	$4,795	E1
	25	61	GPH2025QC2001	2	150	$5,295	E1
	30	85	GPH2030QC2001	2	150	$6,295	E1
	50	130	GPH2050QC2001	3	280	$7,485	E1
	60	171	GPH2060QC2001	3	280	$7,995	E1
	75	200	GPH2075QC2001	3	280	$8,945	E1
	100	255	GPH2100QC2001	4	415	$11,195	E1
	125	312	GPH2125QC2001	4	415	$12,375	E1
	150	365	GPH2150QC2001	5	610	$13,195	E1
	175	412	GPH2175QC2001	5	610	$14,995	E1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac						
	10	17	GPH2010QC4001	1	140	$4,145	E1
	15	24	GPH2015QC4001	1	140	$4,245	E1
	20	30	GPH2020QC4001	1	140	$4,395	E1
	30	45	GPH2030QC4001	2	150	$4,795	E1
	40 / 50	61	GPH2050QC4001	2	150	$5,295	E1
	75	85	GPH2075QC4001	2	150	$6,295	E1
	100	130	GPH2100QC4001	3	280	$7,485	E1
	125	171	GPH2125QC4001	3	280	$7,995	E1
	150	200	GPH2150QC4001	3	280	$8,945	E1
	200	255	GPH2200QC4001	4	415	$11,195	E1
	250	312	GPH2250QC4001	4	415	$12,375	E1
	300	365	GPH2300QC4001	5	610	$13,195	E1
	350	412	GPH2350QC4001	5	610	$14,995	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.

Soft Starters

GPH2

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

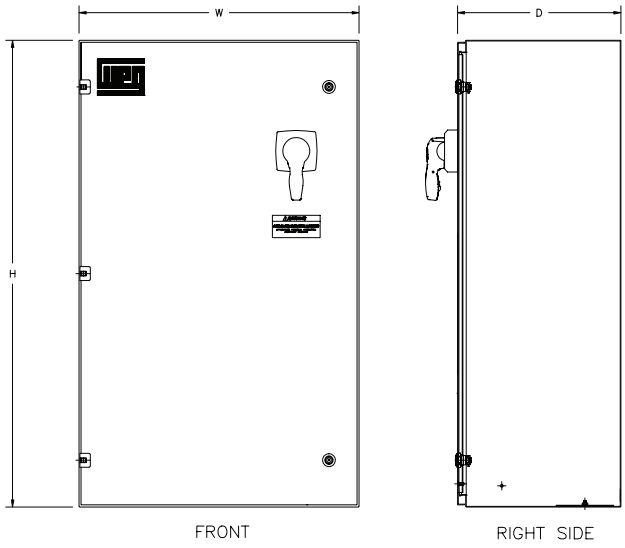
NEMA 4 / 12 Enclosure (with Circuit Breaker, External AC3 By-Pass and Keypad on Door)

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

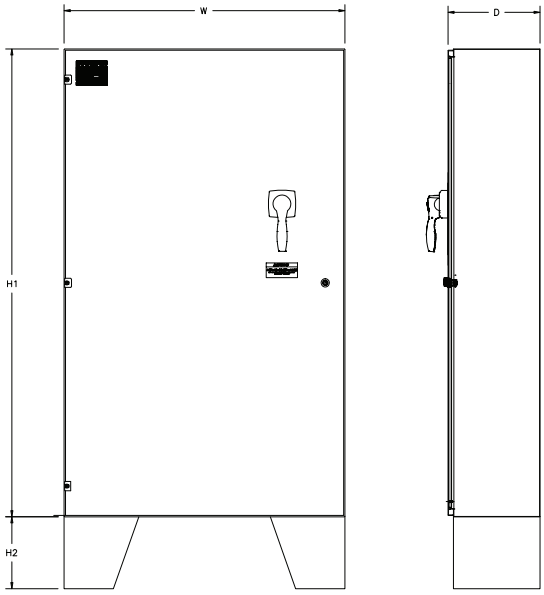
Notes:
1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the starter.
3) For other technical data please refer to WEG product manual.
4) Dimensions and weights are for estimating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

Soft Starters

GPH2



Frame Sizes 1-4



Frame Size 5

GPH Dimensions

Frame	W	D	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	12	48	N/A	415
5	36	16	60	12	610

Notes: H1 + H2 = overall height

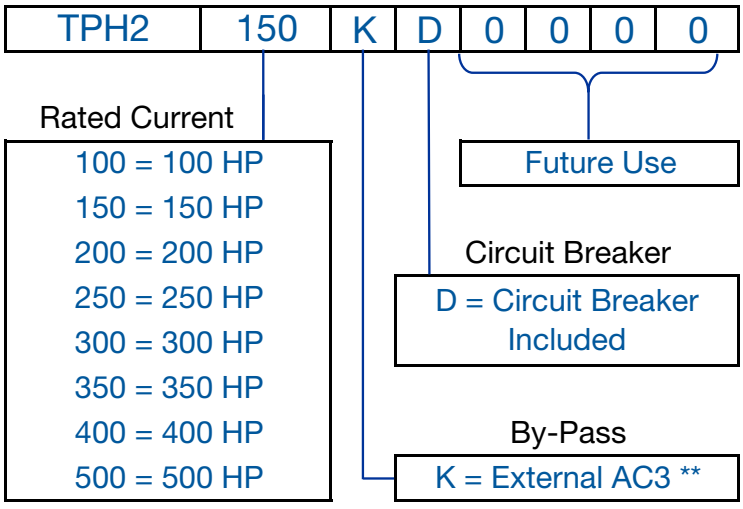
TPH2 Crusher Duty®

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 500% 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

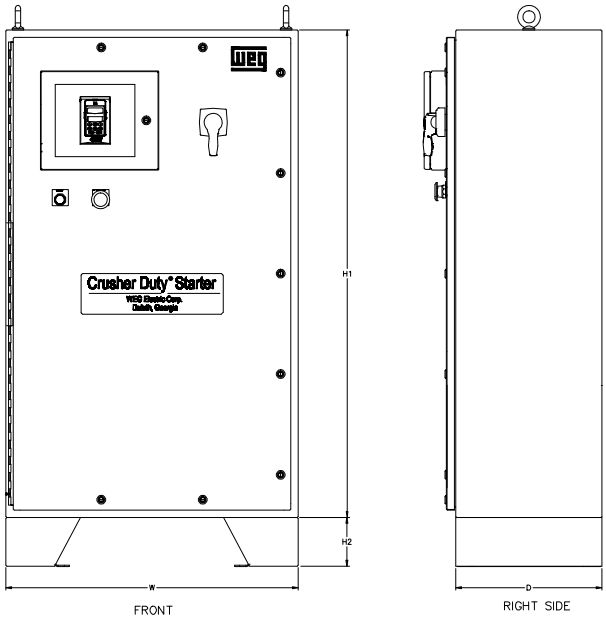


*** Bypass Contactor is "Full Rated" and mounted adjacent the soft starter inside the panel. Table intended as reference only and not to create part numbers.*

NEMA 4 / 12 Enclosure

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

My Notes:

CFW08 Plus NEMA 1 Enclosure → Replace with → CFW100 IP20 Enclosure

Motor Voltage	Motor HP [1]	Drive Amps [2]	CFW08 Catalog Number	Braking Transistor		Drive Amps [2]	CFW100 Catalog Number	Braking Transistor	List Price	Multiplier
230 Vac	Input Power Supply: Single-Phase 230 Vac									
	1/4 - 1/3	1.6	CFW080016BDN1A1Z	No		1.6	CFW100A01P6S220	No	$302	V1
	1/2	2.6	CFW080026BDN1A1Z	No		2.6	CFW100B02P6S220	No	$346	V1
	1	4.0	CFW080040BDN1A1Z	No		4.2	CFW100C04P2S220	No	$396	V1

CFW08 Plus NEMA 1 Enclosure → Replace with → CFW500 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
230 Vac	Input Power Supply: Three-Phase 230 Vac									
	1/4 - 1/3	1.6	CFW080016BDN1A1Z	No		1.6	CFW500A01P6B2NBN1	No	$456	V1
	1/2	2.6	CFW080026BDN1A1Z	No		2.6	CFW500A02P6B2NBN1	No	$467	V1
	1	4.0	CFW080040BDN1A1Z	No		4.3	CFW500A04P3B2NBN1	No	$506	V1
	2	7.0	CFW080070TDN1A1Z	No		7.0	CFW500A07P0T2NBN1	No	$628	V1
	2	7.3	CFW080073BDN1A1Z	Yes		7.3	CFW500B07P3B2DBN1	Yes	$678	V1
	3	10	CFW080100BDN1A1Z	Yes		10	CFW500B10P0B2DBN1	Yes	$789	V1
	5	16	CFW080160TDN1A1Z	Yes		16	CFW500B16P0T2DBN1	Yes	$842	V1
	7 1/2	22	CFW080220TDN1A1Z	Yes		24	CFW500C24P0T2DBN1	Yes	$1,427	V1
	10	28	CFW080280TDN1A1Z	Yes		28	CFW500D28P0T2DBN1	Yes	$1,777	V1
						33	CFW500D33P0T2DBN1	Yes	$2,146	V1
						47	CFW500D47P0T2DBN1	Yes	$2,910	V1
460 Vac	Input Power Supply: Three-Phase 460 Vac									
	1/4 - 1/3	1.0	CFW080010TGN1A1Z	No		1.0	CFW500A01P0T4NBN1	No	$582	V1
	3/4	1.6	CFW080016TGN1A1Z	No		1.6	CFW500A01P6T4NBN1	No	$604	V1
	1	2.6	CFW080026TGN1A1Z	No		2.6	CFW500A02P6T4NBN1	No	$649	V1
	1	2.7	CFW080027TGN1A1Z	Yes		2.6	CFW500B02P6T4DBN1	Yes	$708	V1
	2	4.0	CFW080040TGN1A1Z	No		4.3	CFW500A04P3T4NBN1	No	$799	V1
	2	4.3	CFW080043TGN1A1Z	Yes		4.3	CFW500B04P3T4DBN1	Yes	$892	V1
	3	6.5	CFW080065TGN1A1Z	Yes		6.5	CFW500B06P5T4DBN1	Yes	$1,067	V1
	5	10	CFW080100TGN1A1Z	Yes		10	CFW500B10P0T4DBN1	Yes	$1,207	V1
	7 1/2	13	CFW080130TGN1A1Z	Yes		14	CFW500C14P0T4DBN1	Yes	$1,495	V1
	10	16	CFW080160TGN1A1Z	Yes		16	CFW500C16P0T4DBN1	Yes	$1,684	V1
	15	24	CFW080240TGN1A1Z	Yes		24	CFW500D24P0T4DBN1	Yes	$2,229	V1
	20	30	CFW080300TGN1A1Z	Yes		31	CFW500D31P0T4DBN1	Yes	$2,783	V1
575 Vac [4]	Input Power Supply: Three-Phase 575 Vac									
	1	1.7	CFW080017THN1A1Z	Yes		1.7	CFW500C01P7T5DBN1	Yes	$910	V1
	2	3.0	CFW080030THN1A1Z	Yes		3.0	CFW500C03P0T5DBN1	Yes	$954	V1
	3	4.3	CFW080043THN1A1Z	Yes		4.3	CFW500C04P3T5DBN1	Yes	$1,073	V1
	5	7.0	CFW080070THN1A1Z	Yes		7.0	CFW500C07P0T5DBN1	Yes	$1,276	V1
	7 1/2	10	CFW080100THN1A1Z	Yes		10	CFW500C10P0T5DBN1	Yes	$1,621	V1
	10	12	CFW080120THN1A1Z	Yes		12	CFW500C12P0T5DBN1	Yes	$1,813	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 → CFW500

NEMA 1 Enclosure → NEMA 1 Enclosure

Motor Voltage	Motor HP [1]	Drive Amps [2]	CFW09 Catalog Number	Braking Transistor		Drive Amps [2]	CFW500 Catalog Number	Braking Transistor	List Price	Multiplier
230 Vac	**Input Power Supply: Single-Phase 230 Vac**									
	1 - 1.5	6.0	CFW-090006TDZ	Yes		7.0	CFW500A07P0S2NBN1	Yes	$633	V1
	2	7.0	CFW-090007TDZ	Yes		7.3	CFW500B07P3B2DBN1	Yes	$678	V1
	3	10	CFW-090010TDZ	Yes		10	CFW500B10P0B2DBN1	Yes	$789	V1
	Input Power Supply: Three-Phase 230 Vac									
	3	13	CFW-090013TDZ	Yes		10	CFW500B10P0B2DBN1	Yes	$789	V1
	5	16	CFW-090016TDZ	Yes		16	CFW500B16P0T2DBN1	Yes	$842	V1
	7 1/2	24	CFW-090024TDZ	Yes		24	CFW500C24P0T2DBN1	Yes	$1,427	V1
	10	28	CFW-090028TDZ	Yes		28	CFW500D28P0T2DBN1	Yes	$1,777	V1
						33	CFW500D33P0T2DBN1	Yes	$2,146	V1
	15	45	CFW-090045TDZ	Yes		47	CFW500D47P0T2DBN1	Yes	$2,910	V1
	20	54	CFW-090054TDDBZ	Yes		See CFW700 Cross Reference				
	25	70	CFW-090070TDDBZ	Yes						
	30	86	CFW-090086TDDBZ	Yes						
	40	105	CFW-090105TDDBZ	Yes						
	50	130	CFW-090130TDDBZ	Yes						
	50	142	CFW-090142TDDBZ	Yes						
460 Vac	**Input Power Supply: Three-Phase 460 Vac**									
						1.0	CFW500A01P0T4NBN1	No	$582	V1
						1.6	CFW500A01P6T4NBN1	No	$604	V1
						2.6	CFW500A02P6T4NBN1	No	$649	V1
						2.6	CFW500B02P6T4DBN1	Yes	$708	V1
	1 or 1.5	3.6	CFW-090003TGZ	Yes		4.3	CFW500B04P3T4DBN1	Yes	$892	V1
	2	4.0	CFW-090004TGZ	Yes		4.3	CFW500B04P3T4DBN1	Yes	$892	V1
	3	5.5	CFW-090005TGZ	Yes		6.5	CFW500B06P5T4DBN1	Yes	$1,067	V1
	5	9.0	CFW-090009TGZ	Yes		10	CFW500B10P0T4DBN1	Yes	$1,207	V1
	7 1/2	13	CFW-090013TGZ	Yes		14	CFW500C14P0T4DBN1	Yes	$1,495	V1
	10	16	CFW-090016TGZ	Yes		16	CFW500C16P0T4DBN1	Yes	$1,684	V1
	15	24	CFW-090024TGZ	Yes		24	CFW500D24P0T4DBN1	Yes	$2,229	V1
	20	30	CFW-090030TGZ	Yes		31	CFW500D31P0T4DBN1	Yes	$2,783	V1
575 Vac [4]	**Input Power Supply: Three-Phase 575 Vac**									
						1.7	CFW500C01P7T5DBN1	Yes	$910	V1
	2	2.9	CFW-090002THZ	Yes		3.0	CFW500C03P0T5DBN1	Yes	$954	V1
	3	4.2	CFW-090004THZ	Yes		4.3	CFW500C04P3T5DBN1	Yes	$1,073	V1
	5	7.0	CFW-090007THZ	Yes		7.0	CFW500C07P0T5DBN1	Yes	$1,276	V1
	7 1/2	10	CFW-090010THZ	Yes		10	CFW500C10P0T5DBN1	Yes	$1,621	V1
	10	12	CFW-090012THZ	Yes		12	CFW500C12P0T5DBN1	Yes	$1,813	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 NEMA 1 Enclosure → Replace with → CFW700 & 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
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]				Drive Amps[3]	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	6.0	CFW-090006TDZ	Yes		6.0	5.0	CFW700A06P0B2DBN1	Yes	$1,370	V1
	2	7.0	2	7.0	CFW-090007TDZ	Yes		7.0	7.0	CFW700A07P0B2DBN1	Yes	$1,430	V1
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor												
	3	10	3	10	CFW-090010TDZ	Yes		13	11	CFW700A13P0T2DBN1	Yes	$1,440	V1
	3	13	3	13	CFW-090013TDZ	Yes		16	13	CFW700A16P0T2DBN1	Yes	$1,542	V1
	5	16	5	16	CFW-090016TDZ	Yes		24	20	CFW700B24P0T2DBN1	Yes	$2,020	V1
	7 1/2	24	7 1/2	24	CFW-090024TDZ	Yes		28	24	CFW700B28P0T2DBN1	Yes	$2,201	V1
	10	28	10	28	CFW-090028TDZ	Yes		33.5	28	CFW700B33P5T2DBN1	Yes	$2,600	V1
	15	45	15	45	CFW-090045TDZ	Yes		54	45	CFW700C54P0T2DBN1	Yes	$3,700	V1
	25	68	20	54	CFW-090054TDDBZ	Yes		70	56	CFW700C70P0T2DBN1	Yes	$4,880	V1
	30	86	25	70	CFW-090070TDDBZ	Yes		86	70	CFW700D86P0T2DBN1	Yes	$6,101	V1
	40	105	30	86	CFW-090086TDDBZ	Yes		105	86	CFW700D0105T2DBN1	Yes	$8,100	V1
	50	130	40	105	CFW-090105TDDBZ	Yes		142	115	CFW700E142T2DBN1C3	Yes	$11,500	V1
	50	150	50	130	CFW-090130TDDBZ	Yes		180	142	CFW700E180T2DBN1C3	Yes	$15,500	V1
	60	174	50	142	CFW-090142TDDBZ	Yes		211	180	CFW700E211T2DBN1C3	Yes	$21,222	V1
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor												
	25	68	20	54	CFW-090054TDZ	No		70	56	CFW700C70P0T2DBN1	Yes	$3,700	V1
	30	86	25	70	CFW-090070TDZ	No		86	70	CFW700D86P0T2DBN1	Yes	$4,880	V1
	40	105	30	86	CFW-090086TDZ	No		105	86	CFW700D0105T2DBN1	Yes	$6,101	V1
	50	130	40	105	CFW-090105TDZ	No		142	115	CFW700E142T2NBN1C3	No	$10,101	V1
	50	150	50	130	CFW-090130TDZ	No		180	142	CFW700E180T2NBN1C3	No	$12,999	V1
	60	174	50	142	CFW-090142TDZ	No		180	142	CFW700E180T2NBN1C3	No	$12,999	V1
	60	180	60	180	CFW-090180TDZ	No		211	180	CFW700E211T2NBN1C3	No	$18,555	V1
	75	240	75	240	CFW-090240TDZ	No							
460 Vac	**Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor**												
	2	3.6	1.5	3.6	CFW-090003TGZ	Yes		3.6	3.6	CFW700A03P6T4DBN1	Yes	$1,350	V1
	2	4.0	2	4.0	CFW-090004TGZ	Yes		5.0	5.0	CFW700A05P0T4DBN1	Yes	$1,444	V1
	3	5.5	3	5.5	CFW-090005TGZ	Yes		7.0	5.5	CFW700A07P0T4DBN1	Yes	$1,510	V1
	5	9.0	5	9.0	CFW-090009TGZ	Yes		10	10	CFW700A10P0T4DBN1	Yes	$1,600	V1
	7.5	13	7.5	13	CFW-090013TGZ	Yes		17	13.5	CFW700B17P0T4DBN1	Yes	$2,055	V1
	10	16	10	16	CFW-090016TGZ	Yes		24	19	CFW700B24P0T4DBN1	Yes	$2,455	V1
	15	24	15	24	CFW-090024TGZ	Yes		31	25	CFW700B31P0T4DBN1	Yes	$3,450	V1
	25	36	20	30	CFW-090030TGZ	Yes		38	33	CFW700C38P0T4DBN1	Yes	$3,888	V1
	30	45	25	38	CFW-090038TGDBZ	Yes		45	38	CFW700C45P0T4DBN1	Yes	$5,000	V1
	40	54	30	45	CFW-090045TGDBZ	Yes		58.5	47	CFW700C58P5T4DBN1	Yes	$5,800	V1
	50	70	40	60	CFW-090060TGDBZ	Yes		70.5	61	CFW700D70P5T4DBN1	Yes	$6,888	V1
	60	86	50	70	CFW-090070TGDBZ	Yes		88	73	CFW700D88P0T4DBN1	Yes	$8,100	V1
	75	105	60	86	CFW-090086TGDBZ	Yes		105	88	CFW700E105T4DBN1C3	Yes	$11,989	V1
	100	130	75	105	CFW-090105TGDBZ	Yes		142	115	CFW700E142T4DBN1C3	Yes	$14,989	V1
	150	174	100	142	CFW-090142TGDBZ	Yes		180	142	CFW700E180T4DBN1C3	Yes	$20,989	V1

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CFW09 NEMA 1 Enclosure → Replace with → CFW700 & 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
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]				Drive Amps [3]	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	CFW700C38P0T4DBN1	Yes	$3,888	V1
	40	54	30	40	CFW-090045TGZ	No		45	38	CFW700C45P0T4DBN1	Yes	$5,000	V1
	50	70	40	50	CFW-090060TGZ	No		70.5	61	CFW700D70P5T4DBN1	Yes	$6,888	V1
	60	86	50	60	CFW-090070TGZ	No		70.5	61	CFW700D70P5T4DBN1	Yes	$6,888	V1
	75	105	60	75	CFW-090086TGZ	No		105	88	CFW700E105T4NBN1C3	No	$9,999	V1
	100	130	75	100	CFW-090105TGZ	No		142	115	CFW700E142T4NBN1C3	No	$12,000	V1
	125	174	100	125	CFW-090142TGZ	No		180	142	CFW700E180T4NBN1C3	No	$15,400	V1
	150	180	150	180	CFW-090180TGZ	No		211	180	CFW700E211T4NBN1C3	No	$18,787	V1
	150	211	150	211	CFW-090211TGZ	No		312	242	CFW110312T4SZ 5	No	$29,366	V1
	200	240	200	240	CFW-090240TGZ	No		312	242	CFW110312T4SZ 5	No	$29,366	V1
	250	312	250	312	CFW-090312TGZ	No		370	312	CFW110370T4SZ 5	No	$31,314	V1
	300	361	300	361	CFW-090361TGZ	No		477	370	CFW110477T4SZ 5	No	$41,027	V1
	350	450	350	450	CFW-090450TGZ	No		515	477	CFW110515T4SZ 5	No	$43,970	V1
	400	515	400	515	CFW-090515TGZ	No		601	515	CFW110601T4SZ 5	No	$50,088	V1
	500	600	500	600	CFW-090600TGZ	No		720	560	CFW110720T4SZ 5	No	$59,330	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	CFW700B04P2T5DBN1	Yes	$1,759	V1
	5	7.0	3	4.2	CFW-090004THZ	Yes		7.0	6.5	CFW700B07P0T5DBN1	Yes	$1,874	V1
	7 1/2	10	5	7.0	CFW-090007THZ	Yes		10	9.0	CFW700B10P0T5DBN1	Yes	$2,048	V1
	10	12	7 1/2	10	CFW-090010THZ	Yes		12	10	CFW700B12P0T5DBN1	Yes	$2,171	V1
	15	14	10	12	CFW-090012THZ	Yes		17	17	CFW700B17P0T5DBN1	Yes	$2,552	V1
	15	14	15	14	CFW-090014THZ	Yes		17	17	CFW700B17P0T5DBN1	Yes	$2,552	V1
	25	27	20	32	CFW-090022THDBZ	Yes		27	22	CFW700D27P0T5DBN1	Yes	$4,506	V1
	30	32	25	27	CFW-090027THDBZ	Yes		32	27	CFW700D32P0T5DBN1	Yes	$6,486	V1
	30	32	30	32	CFW-090032THDBZ	Yes		44	36	CFW700D44P0T5DBN1	Yes	$7,309	V1
	50	53	40	44	CFW-090044THDBZ	Yes		53	44	CFW700E53P0T5DBN1C3	Yes	$9,118	V1
	60	63	50	53	CFW-090053THDBZ	Yes		63	53	CFW700E63P0T5DBN1C3	Yes	$11,580	V1
	75	79	60	63	CFW-090063THDBZ	Yes		80	66	CFW700E80P0T5DBN1C3	Yes	$12,091	V1
	100	99	75	79	CFW-090079THDBZ	Yes		107	90	CFW700E0107T5DBN1C3	Yes	$16,240	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	V1
	30	32	25	27	CFW-090027THZ	No		32	27	CFW700D32P0T5NBN1	No	$5,763	V1
	30	32	30	32	CFW-090032THZ	No		44	36	CFW700D44P0T5NBN1	No	$6,768	V1
	50	53	40	44	CFW-090044THZ	No		53	44	CFW700E53P0T5NBN1C3	No	$8,446	V1
	60	63	50	53	CFW-090053THZ	No		63	53	CFW700E63P0T5NBN1C3	No	$10,728	V1
	75	79	60	63	CFW-090063THZ	No		80	66	CFW700E80P0T5NBN1C3	No	$11,200	V1
	100	99	75	79	CFW-090079THZ	No		107	90	CFW700E0107T5NBN1C3	No	$15,042	V1
	150	147	100	107	CFW-090107THZ	No		150	122	CFW700E0150T5NBN1C3	No	$21,723	V1
	200	196	150	147	CFW-090147THZ	No		216	180	CFW110216T6OYZ	No	$40,206	V1
	200	211	200	211	CFW-090211THZ	No		289	240	CFW110289T6OYZ	No	$48,913	V1
	300	315	250	247	CFW-090247THZ	No		315	289	CFW110315T6OYZ	No	$54,936	V1
	350	343	300	315	CFW-090315THZ	No		365	315	CFW110365T6OYZ	No	$71,061	V1
	400	418	350	343	CFW-090343THZ	No		435	357	CFW110435T6OYZ	No	$76,125	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.

My Notes:

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