

2021-2022

WEG Automation Catalog

LV Variable Frequency Drives and Soft Starters



Motors | Automation | Energy | Transmission & Distribution | Coatings

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CFW700

CFW11

CFW11M

PUMP
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SINGLE
PHASECFW08
WASH

CFW501

CFW701

HVV701

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SSW07

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SINGLE
PHASE

CFW08

CFW501

CFW701

HVV701

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WARRANTY TERMS FOR WEG AUTOMATION PRODUCTS

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

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

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



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

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



Return Policy

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



OPTIMAL MATCH WARRANTY

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

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

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

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

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

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

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

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

WEG ELECTRIC FORM: WSD-BB010-VERSION 4

HP	RPM	Frame	Voltage	Soft Starter Enclosure Rating: IP00 / IP20		Variable Frequency Drive Enclosure Rating: IP20	
				Motor Wired for 230V	Motor Wired for 460V	Motor Wired for 230V	Motor Wired for 460V
0.25	3600	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NB20
	1800	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NB20
0.33	3600	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NB20
	1800	56	208-230/460			CFW100A01P6S220	CFW500A01P0T4NB20
0.5	3600	56	208-230/460			CFW100B02P6S220	CFW500A01P6T4NB20
	1800	56	208-230/460			CFW100B02P6S220	CFW500A01P6T4NB20
	1200	56	208-230/460			CFW100B02P6S220	CFW500A01P6T4NB20
0.75	3600	56	208-230/460			CFW100C04P2S220	CFW500A01P6T4NB20
	1800	56	208-230/460			CFW100C04P2S220	CFW500A01P6T4NB20
	1200	56	208-230/460			CFW100C04P2S220	CFW500A01P6T4NB20
1	3600	56	208-230/460			CFW100C04P2S220	CFW500A02P6T4NB20
	1800	56	208-230/460			CFW100C04P2S220	CFW500A02P6T4NB20
	1800	143T	208-230/460			CFW100C04P2S220	CFW500A02P6T4NB20
	1200	56	208-230/460			CFW100C04P2S220	CFW500A02P6T4NB20
	1200	145T	208-230/460			CFW100C04P2S220	CFW500A02P6T4NB20
1.5	3600	143T	208-230/460	SSW050010T2246EPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20
	1800	56	208-230/460	SSW050010T2246EPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20
	1800	145T	208-230/460	SSW050010T2246EPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20
	1200	182T	208-230/460	SSW050010T2246EPZ		CFW300A06P0T2NB20	CFW500A04P3T4NB20
2	3600	145T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20
	1800	56	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20
	1800	145T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20
	1200	184T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW300A07P3T2NB20	CFW500A04P3T4NB20
3	3600	182T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B10P0B2DB20	CFW500B06P5T4DB20
	1800	182T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B10P0B2DB20	CFW500B06P5T4DB20
	1200	213T	208-230/460	SSW050010T2246EPZ	SSW050010T2246EPZ	CFW500B10P0B2DB20	CFW500B06P5T4DB20
5	3600	184T	208-230/460	SSW050016T2246EPZ	SSW050010T2246EPZ	CFW500B16P0T2DB20	CFW500B10P0T4DB20
	1800	184T	208-230/460	SSW050016T2246EPZ	SSW050010T2246EPZ	CFW500B16P0T2DB20	CFW500B10P0T4DB20
	1200	215T	208-230/460	SSW050016T2246EPZ	SSW050010T2246EPZ	CFW500B16P0T2DB20	CFW500B10P0T4DB20
7.5	3600	213T	208-230/460	SSW050023T2246EPZ	SSW050016T2246EPZ	CFW500C24P0T2DB20	CFW500C14P0T4DB20
	1800	213T	208-230/460	SSW050023T2246EPZ	SSW050016T2246EPZ	CFW500C24P0T2DB20	CFW500C14P0T4DB20
	1200	254T	208-230/460	SSW050023T2246EPZ	SSW050016T2246EPZ	CFW500C24P0T2DB20	CFW500C14P0T4DB20
10	3600	215T	208-230/460	SSW050030T2246EPZ	SSW050016T2246EPZ	CFW500D28P0T2DB20	CFW500C16P0T4DB20
	1800	215T	208-230/460	SSW050030T2246EPZ	SSW050016T2246EPZ	CFW500D28P0T2DB20	CFW500C16P0T4DB20
	1200	256T	208-230/460	SSW050030T2246EPZ	SSW050016T2246EPZ	CFW500D28P0T2DB20	CFW500C16P0T4DB20
15	3600	254T	208-230/460	SSW050045T2246EPZ	SSW050023T2246EPZ	CFW500D47P0T2DB20	CFW500D24P0T4DB20
	1800	254T	208-230/460	SSW050045T2246EPZ	SSW050023T2246EPZ	CFW500D47P0T2DB20	CFW500D24P0T4DB20
	1200	284T	208-230/460	SSW050045T2246EPZ	SSW050023T2246EPZ	CFW500D47P0T2DB20	CFW500D24P0T4DB20
20	3600	256T	208-230/460	SSW050060T2246EPZ	SSW050030T2246EPZ	CFW500E56P0T2DB20	CFW500D31P0T4DB20
	1800	256T	208-230/460	SSW050060T2246EPZ	SSW050030T2246EPZ	CFW500E56P0T2DB20	CFW500D31P0T4DB20
	1200	286T	208-230/460	SSW050060T2246EPZ	SSW050030T2246EPZ	CFW500E56P0T2DB20	CFW500D31P0T4DB20

HP	RPM	Frame	Voltage	Soft Starter Enclosure Rating: IP00 / IP20		Variable Frequency Drive Enclosure Rating: IP20	
				Motor Wired for 230V	Motor Wired for 460V	Motor Wired for 230V	Motor Wired for 460V
25	3600	284TS	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700C70P0T2DB20	CFW500E39P0T4DB20
	1800	284T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700C70P0T2DB20	CFW500E39P0T4DB20
	1200	324T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700C70P0T2DB20	CFW500E39P0T4DB20
30	3600	286TS	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700D86P0T2DBN1	CFW500E49P0T4DB20
	1800	286T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700D86P0T2DBN1	CFW500E49P0T4DB20
	1200	326T	208-230/460	SSW050085T2246EPZ	SSW050045T2246EPZ	CFW700D86P0T2DBN1	CFW500E49P0T4DB20
40	3600	324TS	208-230/460	SSW070130T5SZ	SSW050060T2246EPZ	CFW700D0105T2DBN1	CFW700C58P5T4DB20
	1800	324T	208-230/460	SSW070130T5SZ	SSW050060T2246EPZ	CFW700D0105T2DBN1	CFW700C58P5T4DB20
	1200	364T	208-230/460	SSW070130T5SZ	SSW050060T2246EPZ	CFW700D0105T2DBN1	CFW700C58P5T4DB20
50	3600	326TS	208-230/460	SSW070130T5SZ	SSW050085T2246EPZ	CFW700E142T2NB20C3	CFW700D70P5T4DBN1
	1800	326T	208-230/460	SSW070130T5SZ	SSW050085T2246EPZ	CFW700E142T2NB20C3	CFW700D70P5T4DBN1
	1200	365T	208-230/460	SSW070130T5SZ	SSW050085T2246EPZ	CFW700E142T2NB20C3	CFW700D70P5T4DBN1
60	3600	364TS	208-230/460	SSW070171T5SZ	SSW050085T2246EPZ	CFW700E180T2NB20C3	CFW700D88P0T4DBN1
	1800	364T	208-230/460	SSW070171T5SZ	SSW050085T2246EPZ	CFW700E180T2NB20C3	CFW700D88P0T4DBN1
	1200	404T	208-230/460	SSW070171T5SZ	SSW050085T2246EPZ	CFW700E180T2NB20C3	CFW700D88P0T4DBN1
75	3600	365TS	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NB20C3	CFW700E105T4NB20C3
	1800	365T	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NB20C3	CFW700E105T4NB20C3
	1200	405T	208-230/460	SSW070200T5SZ	SSW070130T5SZ	CFW700E211T2NB20C3	CFW700E105T4NB20C3
100	3600	405TS	208-230/460	SSW070255T5SZ	SSW070130T5SZ		CFW700E142T4NB20C3
	1800	405T	208-230/460	SSW070255T5SZ	SSW070130T5SZ		CFW700E142T4NB20C3
	1200	444T	208-230/460	SSW070255T5SZ	SSW070130T5SZ		CFW700E142T4NB20C3
125	3600	444TS	460	SSW070312T5SZ	SSW070171T5SZ		CFW700E180T4NB20C3
	1800	444T	460	SSW070312T5SZ	SSW070171T5SZ		CFW700E180T4NB20C3
	1200	445T	460	SSW070312T5SZ	SSW070171T5SZ		CFW700E180T4NB20C3
150	3600	445TS	460	SSW070365T5SZ	SSW070200T5SZ		CFW700E211T4NB20C3
	1800	445T	460	SSW070365T5SZ	SSW070200T5SZ		CFW700E211T4NB20C3
	1200	447T	460	SSW070365T5SZ	SSW070200T5SZ		CFW700E211T4NB20C3
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

CFW100

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

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

Standard Features

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



Applications

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



CFW100 Catalog Number Sequence

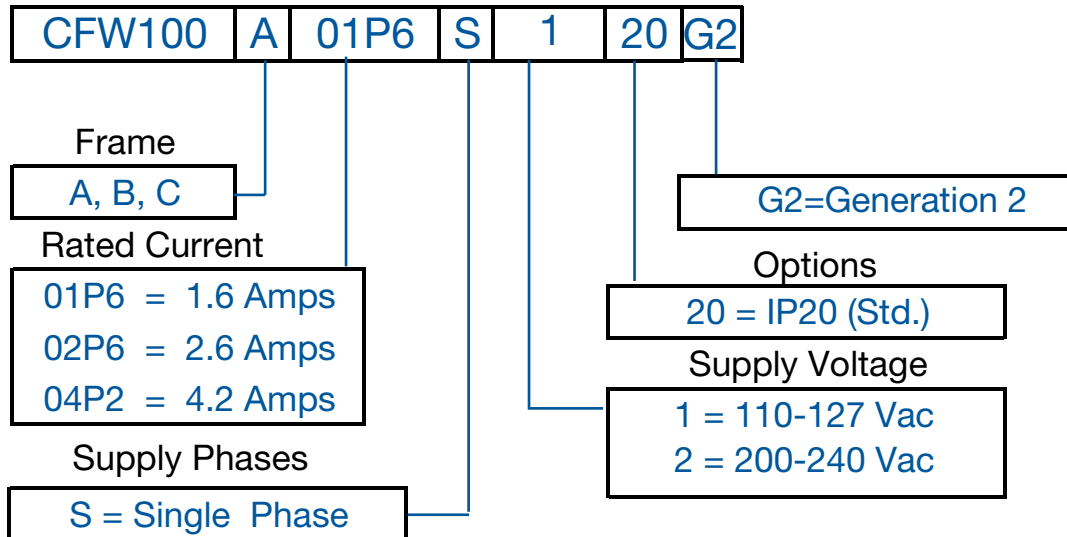


Table intended as reference and not to create part numbers.

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.

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

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

Technical Data

Power Supply	Voltage	Single Phase	200-240 Vac (+10%, -15%) 110-127 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.97	
Enclosure	Degree of Protection	IP20	
Control	Control Mode	V/Hz (Scalar)	
		Voltage Vector 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
		Motor Overload	
	Standards	UL 508C; UL 840; EN 61800-5-1; EN 50178; EN 60204-1; EN 60146 (IEC 146); EN 61800-2	
Ambient	Temperature	32°F (0°C), up to 122°F (50°C) without output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m); Up to 13,200 ft (4000m) with 1% derating of rated output current per 330ft (100m) above 3300 ft (1000m) elevation	
Regulatory Conformance	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility, Industrial Environment EMC Emission and Immunity	
	ENC61800-3 for the FA version - optional		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508C; UL 50, UL840	Power Conversion Equipment	
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current limit, 8 present speeds and JOG, PID Controller		
Keypad with HMI	3 digit LCD display and 4 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), value proportional to frequency (Ex: RPM), heatsink temperature, fault and status messages.		
Mounting	DIN Rail mounting		
Communications	Modbus-RTU	CFW100-CRS485 Optional Plug-in Module	
	CANopen/Devicenet	CFW100-CCAN Optional Plug-in Module	
Connectivity	USB	CFW100-CUSB Optional Plug-in Module	

Variable Frequency Drives

CFW300



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

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



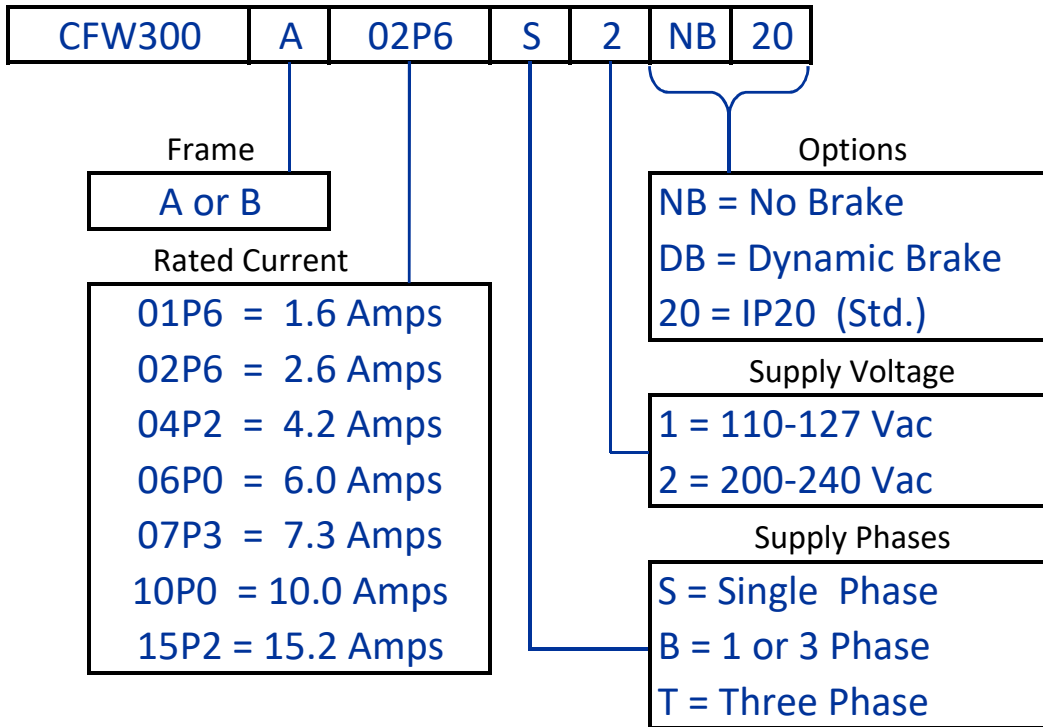
Standard Features

- Single and three-phase voltage supply
- Din rail or surface mounting with screws
- Voltage range:
 - 110-127 Vac and 200-240 Vac for single-phase models
 - 200-240 Vac for three-phase models
- Current / Power range: up to 15.2 Amps / 3.7 kW (5 HP)
- Control mode: Scalar (V/Hz) or Voltage Vector (VVW)
- Switching frequency: 2.5, 5, 10 or 15kHz
- Overload capacity: 150% for 60 sec. every 10min, 200% for 3 sec. every 10min.
- Degree of protection: IP20
- Operating temperature: 14 • 122°F (50°C); up to 140°F (60°C) with current derating (2% per 1°C above 50°C)
- Altitude: 0 • 3300 ft. (1000m); up to 13,200 ft. (4000m) with current derating (1% per100m above 1000m)
- Humidity: 5 to 95% non-condensing
- Integrated brake chopper for frame size B (not available for size A)
- Local keypad supplied as standard

Applications

- | | |
|--|--|
| <ul style="list-style-type: none"> • Centrifugal pumps • Fans / Blowers • Blenders / Mixers • Centrifuges • Compressors | <ul style="list-style-type: none"> • Conveyors • Roller Tables • Granulators • Commercial Dryers • Rotary Filters |
|--|--|

CFW300 Catalog Number Sequence



Variable Frequency Drives



CFW300 IP20 Enclosure

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

Notes:

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

Options and Accessories¹

Type	CATALOG NUMBER	Slot	Description	Approx. Wt. (lbs.)	List Price	Multiplier Symbol
RS485 Card	CFW300-CRS485	1	RS-485 Module; 1 RS-485 Input (Modbus-RTU), 1 Mini USB for Remote Keypad	0.2	\$82	V1
RS232 Card	CFW300-CRS232	1	RS-232 Communication Module (Modbus-RTU); 1 RS232	0.2	\$82	V1
CANopen Card	CFW300-CCAN	1	CANopen/DeviceNet Comm. Module; 1 CAN/DeviceNet, External 24vdc Power	0.2	\$100	V1
Profibus DP Card	CFW300-CPDP	1	Profibus DP Communication Module; 1 Profibus DP 9-Pin Connector	0.2	\$294	V1
USB Card	CFW300-CUSB	1	USB Communication Module w/ 2-meter Cable; 1 Mini USB	0.2	\$87	V1
Ethernet/IP / Modbus TCP	CFW300-CETH	1	Modbus TCP and ethernet/IP Communication Module ³	0.2	\$350	V1
Potentiometer Card	CFW300-IOP	1	CFW300 Potentiometer Reference Module ⁴	0.2	\$90	V1
Remote Keypad	CFW300-KHMIR	1	Remote Keypad; Includes CFW300-CRS485 and 3-meter Cable	0.4	\$256	V1
I/O ²	CFW300-IOAR	2	I/O Expansion Module; 1 AI, 1 AO, 3 DOR, +10vdc	0.2	\$141	V1
I/O ²	CFW300-IODR	2	I/O Expansion Module; 4 DI, 3 DOR	0.2	\$108	V1
I/O ²	CFW300-IOAENC	2	I/O and Encoder Module; 1 AI, 2 AO, +10vdc, 1 Incremental Encoder Input +5vdc	0.2	\$143	V1
I/O ²	CFW300-IOADR	2	I/O Expansion Module; 1 NTC Sensor Input, 3 DOR ⁵	0.2	\$207	V1
I/O ²	CFW300-IODF	2	I/O Expansion Module: 3 Pulse/frequency Input & 3 Pulse/ Frequency output (10 hz to 3000 hz) ⁶	0.2	\$115	V1
Flash Memory Module	CFW100-CFW300-MMF	-	CFW100/300 Flash Memory Module	0.2	\$210	V1
RFI Filter Kit – Fr. A	CFW300-KFA-S1-S2	-	CFW300 RFI Filter Kit – Frame Size A - SINGLE PHASE INPUT MODELS ONLY (110V-240V)	0.3	\$90	V1
RFI Filter Kit – Fr. B	CFW300-KFB-S2	-	CFW300 RFI Filter Kit – Frame Size B - SINGLE PHASE INPUT MODELS ONLY (200-240V)	0.3	\$105	V1

Notes:

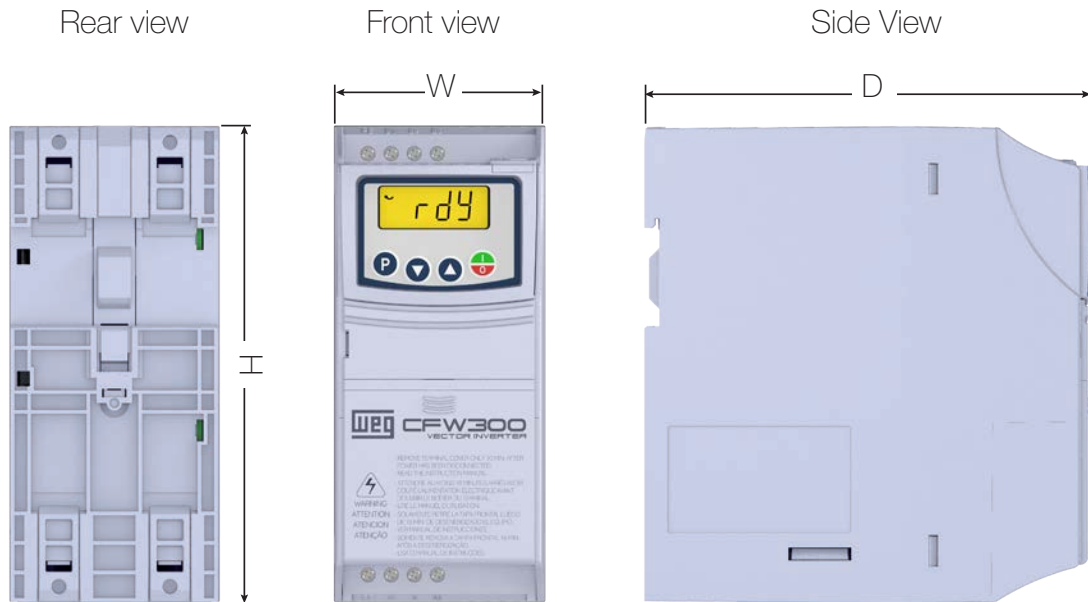
- 1) Up to Qty. (1) I/O Expansion Module plus Qty. (1) Communication Module can be added to the CFW300 VFD.
- 2) Option I/Os are in addition the standard CFW300 I/O which includes: 4 DI, 1 AI, 1 DOR.
- 3) CFW300-CETH Module only works with CFW300 FM V3.00 or higher.
- 4) CFW300-IOP Module only works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

Option Card I/O Table

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

NOTES:

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



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

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW1M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW300

Technical Data

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

CFW500

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

Standard Features

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



Applications

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

CFW500 Catalog Number Sequence

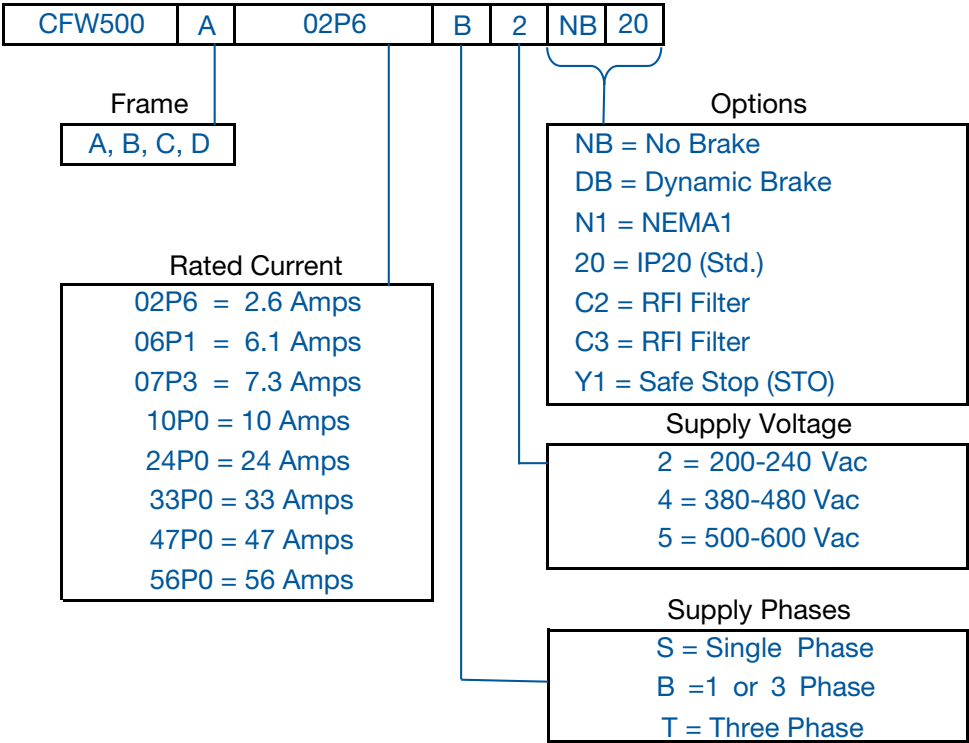


Table intended as reference and not to create part numbers.

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

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

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW500

Options and Accessories

Type	CATALOG NUMBER	Description	Apprx. Shpg. Wt. (lbs.)	List Price	Multiplier Symbol
I/O	CFW500-IOS ¹	CFW500 I/O Module; 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$110	V1
I/O	CFW500-IOD	CFW500 I/O Module; 8 DI, 1 AI, 1 AO, 1 DOR, 4 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$141	V1
I/O	CFW500-IOAD	CFW500 I/O Module; 6 DI, 3 AI, 2 AO, 1 DOR, 3 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$182	V1
I/O	CFW500-IOR-B	CFW500 I/O Module; 5 DI, 1 AI, 1 AO, 4 DOR, 1 DOT, 1 RS485, 10vdc, 24vdc	0.2	\$125	V1
Encoder Input	CFW500-ENC	CFW500 Encoder Module; Quad Input A & B, 1 RS485, 5 DI, 1 AI, 1 AO, 3 DOR, 1 DOT, 24vdc	0.2	\$210	V1
USB Card	CFW500-CUSB	CFW500 Comm. Module; 1 USB, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$210	V1
RS232 Card	CFW500-CRS232	CFW500 Comm. Module; 1 RS232, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 24vdc	0.2	\$138	V1
RS485 Card	CFW500-CRS485	CFW500 Comm. Module; 2 RS485, 4 DI, 2 AI, 1 AO, 2 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$143	V1
CANopen Card	CFW500-CCAN	CFW500 Comm. Module; 1 CAN/DeviceNet, 1 RS485, 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10vdc, 24vdc	0.2	\$138	V1
Profibus DP Card	CFW500-CPDP	CFW500 Comm. Module; 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 Profibus DP, 1 RS485, 24vdc	0.2	\$405	V1
Profibus DP & DP-V1 Module	CFW500-CPDP2	CFW500 Comm. Module; 1-Profibus DP & DP-V1 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$445	V1
Modbus TCP Comm. Module	CFW500-CEMB-TCP	CFW500 Comm. Module; 1-Modbus TCP 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$499	V1
ProfiNet I/O Comm. Module	CFW500-CEPN-IO	CFW500 Comm. Module; 1-ProfiNet I/O 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24vdc	0.2	\$499	V1
EtherNet IP Comm. Module	CFW500-CETH-IP	CFW500 Comm. Module; 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-EtherNet IP 100BASE TX RJ-45 Port, 24vdc	0.2	\$499	V1
Flash Memory Module	CFW500-MMF	CFW500 Flash Memory Module for saving and reloading program and parameters to / from the drive	0.2	\$189	V1
Remote Keypad	CFW500-HMIR ²	CFW500 Remote Keypad for mounting through enclosure door	0.6	\$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)	5.0	\$460	Z5
Remote Oper. Station	CSW30-SP3PBS	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	5.0	\$535	Z5
HMI Cable 1M	CFW500-CCHMIR01M	3.3 ft (1 meter) Remote Keypad Cable	0.5	\$23	V1
HMI Cable 2M	CFW500-CCHMIR02M	6.6 ft (2 meter) Remote Keypad Cable	0.7	\$31	V1
HMI Cable 3M	CFW500-CCHMIR03M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	V1
HMI Cable 5M	CFW500-CCHMIR05M	16 ft (5 meter) Remote Keypad Cable	1.2	\$51	V1
HMI Cable 7.5M	CFW500-CCHMIR075M	25 ft (7.5 meter) Remote Keypad Cable	1.5	\$61	V1
HMI Cable 10M	CFW500-CCHMIR010M	33 ft (10 meter) Remote Keypad Cable	2.0	\$72	V1
USB Comm. Cable 2M	CFW500-USB02M	USB Communication Cable, 6.6 ft (2 meter) length	0.7	\$50	V1
NEMA1 Conduit Kit	CFW500-KN1A	NEMA 1 kit – Frame Size A		\$28	V1
NEMA1 Conduit Kit	CFW500-KN1B	NEMA 1 kit – Frame Size B		\$33	V1
NEMA1 Conduit Kit	CFW500-KN1C	NEMA 1 kit – Frame Size C		\$44	V1
NEMA1 Conduit Kit	CFW500-KN1D	NEMA 1 kit – Frame Size D		\$59	V1
NEMA1 Conduit Kit	CFW500-KN1E	NEMA 1 kit – Frame Size E		\$64	V1
Cable Sheild Clamp Kit	CFW500-KPCSA	Cable Sheild Clamp Kit for Frame A	1.0	\$41	V1
Cable Sheild Clamp Kit	CFW500-KPCSB	Cable Sheild Clamp Kit for Frame B	1.0	\$44	V1
Cable Sheild Clamp Kit	CFW500-KPCSC	Cable Sheild Clamp Kit for Frame C	1.1	\$46	V1
Cable Sheild Clamp Kit	CFW500-KPCSD	Cable Sheild Clamp Kit for Frame D	1.1	\$51	V1

Notes:
1) CFW500-IOS Card is included as standard with CFW500 Drives
2) CFW500-HMIR Remote Keypad requires Qty. (1) CFW500-CCHIR0xM cable. ("x" represents the cable length in meters)

Option Card I/O Table

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

Notes:

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

CFW500

Technical Data

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

CFW700

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

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

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

Standard Features

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



Applications

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



CFW700 Catalog Number Sequence

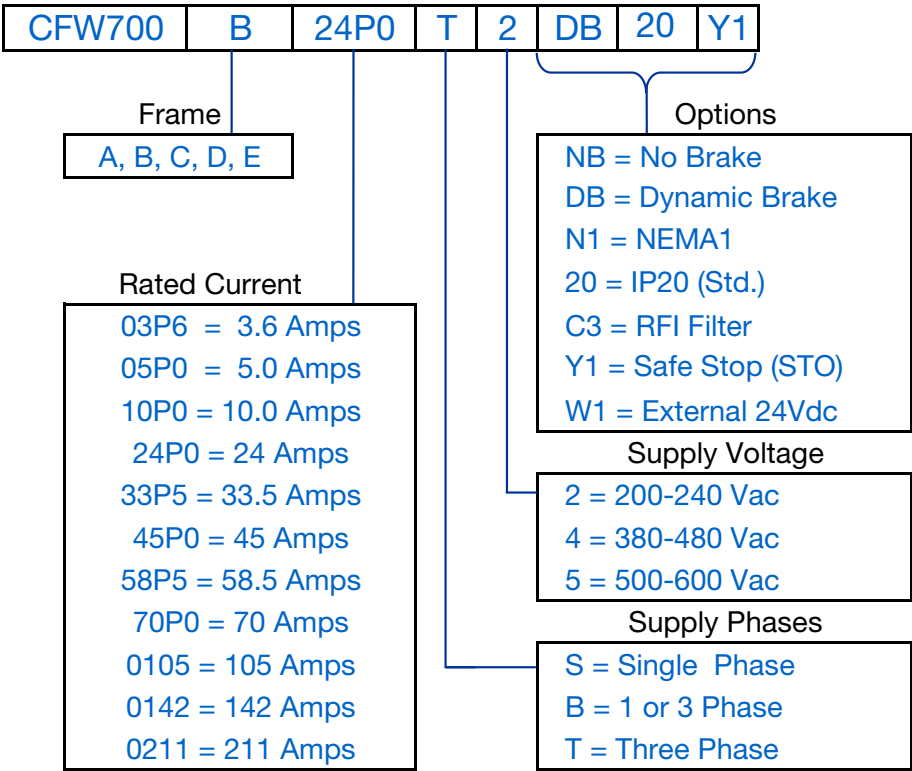


Table intended as reference only and not to create part numbers.



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

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	1 1/2	6.0	1 1/2	5.0	CFW700A06P0B2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,370	V1
	2	7.0	2	7.0	CFW700A07P0B2DB20	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	CFW700A10P0S2DB20	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	CFW700A07P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,350	V1
	3	10	2	8.0	CFW700A10P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,410	V1
	5	13	3	11	CFW700A13P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,440	V1
	5	16	5	13	CFW700A16P0T2DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,542	V1
	7 1/2	24	7 1/2	20	CFW700B24P0T2DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,020	V1
	10	28	10	24	CFW700B28P0T2DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,201	V1
	10	33.5	10	28	CFW700B33P5T2DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,600	V1
	15	45	15	36	CFW700C45P0T2DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$2,900	V1
	20	54	20	45	CFW700C54P0T2DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$3,700	V1
	25	70	20	56	CFW700C70P0T2DB20	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	CFW700D105T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	\$8,100	V1
	50	142	40	115	CFW700E0142T2DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$11,500	V1
	60	180	50	142	CFW700E0180T2DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$15,500	V1
	75	211	60	180	CFW700E0211T2DB20C3	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	CFW700E0142T2NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$10,101	V1
	60	180	50	142	CFW700E0180T2NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$12,999	V1
	75	211	60	180	CFW700E0211T2NB20C3	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.

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW700

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

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
460 Vac	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
	2	3.6	2	3.6	CFW700A03P6T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,350	V1
	3	5.0	3	5.0	CFW700A05P0T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,444	V1
	5	7.0	3	5.5	CFW700A07P0T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,510	V1
	7 1/2	10	5	10	CFW700A10P0T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,600	V1
	10	13.5	7 1/2	11	CFW700A13P5T4DB20	Yes	A	12.1 x 5.8 x 9.0	13.9	\$1,711	V1
	10	17	10	13.5	CFW700B17P0T4DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,055	V1
	15	24	10	19	CFW700B24P0T4DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,455	V1
	20	31	15	25	CFW700B31P0T4DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$3,450	V1
	25	38	20	33	CFW700C38P0T4DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$3,888	V1
	30	45	25	38	CFW700C45P0T4DB20	Yes	C	17.7 x 8.7 x 11.5	44.6	\$5,000	V1
	40	58.5	30	47	CFW700C58P5T4DB20	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	CFW700E0105T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$11,989	V1
	100/125	142	75	115	CFW700E0142T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$14,989	V1
	150	180	100	142	CFW700E0180T4DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$20,989	V1
	175	211	150	180	CFW700E0211T4DB20C3	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	CFW700E0105T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$9,999	V1
	100/125	142	75	115	CFW700E0142T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$12,000	V1
	150	180	100	142	CFW700E0180T4NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,400	V1
	175	211	150	180	CFW700E0211T4NB20C3	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.

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

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
575 Vac ⁴	Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor										
	2	2.9	2	2.7	CFW700B02P9T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,689	V1
	3	4.2	3	3.8	CFW700B04P2T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,759	V1
	7 1/2	7.0	5	6.5	CFW700B07P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$1,874	V1
	10	10	7 1/2	9.0	CFW700B10P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,048	V1
	10	12	10	10	CFW700B12P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,171	V1
	15	17	15	17	CFW700B17P0T5DB20	Yes	B	13.9 x 7.5 x 9.0	24.1	\$2,552	V1
	20	22	20	19	CFW700C22P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$4,235	V1
	25	27	20	22	CFW700C27P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$4,506	V1
	30	32	25	27	CFW700C32P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$6,486	V1
	40	44	30	36	CFW700C44P0T5DB20	Yes	C	19.9 x 11.9 x 12.0	120.2	\$7,309	V1
	50	53	40	44	CFW700E53P0T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$9,118	V1
	60	63	50	53	CFW700E63P0T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$11,580	V1
	75	80	75	66	CFW700E80P0T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$12,091	V1
	100	107	100	90	CFW700E0107T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$16,240	V1
	125	125	100	107	CFW700E0125T5DB20C3	Yes	E ⁵	26.6 x 13.2 x 14.1	143	\$16,910	V1
	150	150	125	122	CFW700E0150T5DB20C3	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	CFW700E53P0T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$8,446	V1
	60	63	50	53	CFW700E63P0T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$10,728	V1
	75	80	75	66	CFW700E80P0T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$11,200	V1
	100	107	100	90	CFW700E0107T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,042	V1
	125	125	100	107	CFW700E0125T5NB20C3	No	E ⁵	26.6 x 13.2 x 14.1	143	\$15,662	V1
	150	150	125	122	CFW700E0150T5NB20C3	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.

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

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
	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 & CFW701)	\$54	V1
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable(CFW11, CFW700 & CFW701)	\$60	V1
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$66	V1
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$75	V1
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable(CFW11, CFW700 & CFW701)	\$90	V1
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$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
NEMA1 Kits.	KN1A-02	NEMA1 - Conduit Kit for frame size A with power cables shielding	\$125	V1
	KN1B-02	NEMA1 - Conduit Kit for frame size B with power cables shielding	\$125	V1
	KN1C-02	NEMA1 - Conduit Kit for frame size C with power cables shielding	\$142	V1
	KN1E-01	NEMA1 - Top cover kit for frame size E (105 & 142A)	\$78	V1
	KN1E-02	NEMA1 - 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	IP20	
Control	Control Modes	Volts per Hertz (Scalar)	Voltage Vector (VVW)
		Sensorless Vector	Vector with encoder
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	1.25, 2.0, 2.5, 5.0 or 10.0 kHz	
	Frequency Range	0-300 Hz in Scalar Mode; 120 Hz in Vector Mode	
	Overload Capacity	CT = Constant Torque, 150% overload / 60 sec. VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.	
Control Inputs	8 programmable isolated digital inputs, 24Vdc logic		
	2 isolated programmable differential analog inputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
	Motor thermistor - PTC/PT100/KTY84		
	Incremental encoder input – 5 to 12V		
Control Outputs	1 programmable relay output; NO/NC (Form C); 240Vac, 30Vdc / 0.75 A		
	4 programmable isolated open collector digital outputs; 24Vdc, 80mA max.		
	2 non-isolated programmable analog outputs 10 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
Communication	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	Isolated RS-485 / Modbus RTU (standard)	
		CAN interface module (CANopen/DeviceNet)	
		Profibus DP interface module	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
Regulatory / Safety Conformance	IEC 60146	Semiconductor converters	
	UL 508 C	Power Conversion Equipment	
	UL 840	Insulation coordination including clearances and creepage distances for electrical equipment.	
	UL 94	Plenum Rated - Meets UL94 Standard for Tests for Flammability	
	EN 50178	Electronic equipment for use in power installations	
	EN 61800-2	General requirements adjustable speed electrical power drive systems	
	EN 61800-3	EMC product standard including specific test methods adjustable speed electrical power drive systems	
	EN 61800-5-1	Safety requirements adjustable speed electrical power drive systems	
	EN 60204-1	Safety of machinery. Electrical equipment of machines. Part 1: General requirements.	
	RoHS and WEEE Guidelines		
Approvals	UL, cUL, CE, C-Tick, GOST, IRAM		
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, max. and min. adjustable frequency limits, adjustable output current, PID Controller		
Keypad	Backlit LCD display with 9 operator keys, remote mounting option available		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

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	CFW700A06P0B2DB20	CFDB2-125-224	125	224	5 x 12 x 5	\$520	V1
	2	CFW700A07P0B2DB20	CFDB2-95-298	95	298	5 x 12 x 7	\$749	V1
	2	CFW700A07P0T2DB20	CFDB2-95-298	95	298	5 x 12 x 7	\$749	V1
	3	CFW700A10P0S2DB20	CFDB2-63-448	63	448	5 x 12 x 7	\$749	V1
	3	CFW700A10P0T2DB20	CFDB2-63-448	63	448	5 x 12 x 7	\$749	V1
	5	CFW700A13P0T2DB20	CFDB2-38-746	38	746	5 x 12 x 10	\$941	V1
	5	CFW700A16P0T2DB20	CFDB2-38-746	38	746	5 x 12 x 10	\$941	V1
	7 1/2	CFW700B24P0T2DB20	CFDB2-26-1119	26	1,119	5 x 12 x 13	\$1,130	V1
	10	CFW700B28P0T2DB20	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,322	V1
	10	CFW700B33P5T2DB20	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,322	V1
	15	CFW700C45P0T2DB20	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	\$1,644	V1
	20	CFW700C54P0T2DB20	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	\$1,644	V1
	25	CFW700C70P0T2DB20	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	\$1,997	V1
	30	CFW700D86P0T2DBN1	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	\$2,588	V1
	40	CFW700D0105T2DBN1	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	\$3,269	V1
	50	CFW700E142T2DB20C3	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	\$3,820	V1
	60	CFW700E180T2DB20C3	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	\$3,820	V1
	75	CFW700E211T2DB20C3	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	\$5,622	V1
460 Vac	2	CFW700A03P6T4DB20	CFDB2-375-298	375	298	5 x 12 x 7	\$749	V1
	3	CFW700A05P0T4DB20	CFDB2-250-448	250	448	5 x 12 x 7	\$749	V1
	5	CFW700A07P0T4DB20	CFDB2-150-746	150	746	5 x 12 x 10	\$941	V1
	7 1/2	CFW700A10P0T4DB20	CFDB2-100-1119	100	1,119	5 x 12 x 13	\$1,130	V1
	10	CFW700A13P5T4DB20	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,322	V1
	10	CFW700B17P0T4DB20	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,322	V1
	15	CFW700B24P0T4DB20	CFDB2-50-2238	50	2,238	5 x 19 x 13	\$1,820	V1
	20	CFW700B31P0T4DB20	CFDB2-38-2984	38	2,984	5 x 19 x 16	\$2,201	V1
	25	CFW700C38P0T4DB20	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	\$2,511	V1
	30	CFW700C45P0T4DB20	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	\$2,511	V1
	40	CFW700C58P5T4DB20	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	\$2,938	V1
	50/60	CFW700D70P5T4DBN1	CFDB2-15-8952	15	8,952	10 x 28 x 13	\$4,328	V1
	60/75	CFW700D88P0T4DBN1	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$5,659	V1
	75	CFW700E105T4DB20C3	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$5,659	V1
	100/125	CFW700E142T4DB20C3	CFDB2-8-18650	8	18,650	24 x 30 x 18	\$9,560	V1
	150	CFW700E180T4DB20C3	CFDB2-5-22380	5	22,380	24 x 30 x 18	\$11,854	V1
	175	CFW700E211T4DB20C3	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	CFW700A06P0B2DB20	CFDB5-125-560	125	560	5 x 12 x 10	\$941	V1
	2	CFW700A07P0B2DB20	CFDB5-95-746	95	746	5 x 12 x 10	\$941	V1
	2	CFW700A7P0T2DB20	CFDB5-95-746	95	746	5 x 12 x 10	\$941	V1
	3	CFW700A10P0S2DB20	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,130	V1
	3	CFW700A10P0T2DB20	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,130	V1
	5	CFW700A13P0T2DB20	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,820	V1
	5	CFW700A16P0T2DB20	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,820	V1
	7 1/2	CFW700B24P0T2DB20	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	\$2,511	V1
	10	CFW700B28P0T2DB20	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,511	V1
	10	CFW700B33P5T2DB20	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,511	V1
	15	CFW700C45P0T2DB20	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	\$2,938	V1
	20	CFW700C54P0T2DB20	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	\$4,663	V1
	25	CFW700C70P0T2DB20	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	CFW700E142T2DB20C3	CFDB5-4-18650	3.9	18,650	24 x 30 x 18	\$10,325	V1
	60	CFW700E180T2DB20C3	CFDB5-4-22380	3.3	22,380	24 x 30 x 18	\$10,325	V1
	75	CFW700E211T2DB20C3	CFDB5-3-27975	2.7	27,975	32 x 30 x 18	\$10,325	V1
460 Vac	2	CFW700A03P6T4DB20	CFDB5-375-746	375	746	5 x 12 x 13	\$1,130	V1
	3	CFW700A05P0T4DB20	CFDB5-250-1119	250	1,119	5 x 12 x 16	\$1,511	V1
	5	CFW700A07P0T4DB20	CFDB5-150-1865	150	1,865	5 x 19 x 13	\$1,703	V1
	7 1/2	CFW700A10P0T4DB20	CFDB5-100-2798	100	2,798	5 x 19 x 16	\$1,892	V1
	10	CFW700A13P5T4DB20	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$2,938	V1
	10	CFW700B17P0T4DB20	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$2,938	V1
	15	CFW700B24P0T4DB20	CFDB5-50-5595	50	5,595	10 x 28 x 13	\$4,254	V1
	20	CFW700B31P0T4DB20	CFDB5-38-7460	38	7,460	10 x 28 x 13	\$4,254	V1
	25	CFW700C38P0T4DB20	CFDB5-30-9325	30	9,325	10 x 28 x 16	\$4,715	V1
	30	CFW700C45P0T4DB20	CFDB5-25-11190	25	11,190	10 x 28 x 16	\$5,071	V1
	40	CFW700C58P5T4DB20	CFDB5-19-14920	19	14,920	24 x 30 x 18	\$8,858	V1
	50/60	CFW700D70P5T4DBN1	CFDB5-15-22380	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	CFW700E105T4DB20C3	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$14,625	V1
	100/125	CFW700E142T4DB20C3	CFDB5-8-46625	8	46,625	32 x 30 x 18	\$16,923	V1
	150	CFW700E180T4DB20C3	CFDB5-5-55950	5	55,950	48 x 30 x 18	\$18,814	V1
	175	CFW700E211T4DB20C3	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.

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



Line and Load Reactors for VFDs

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
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.

CFW11

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

Standard Features

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



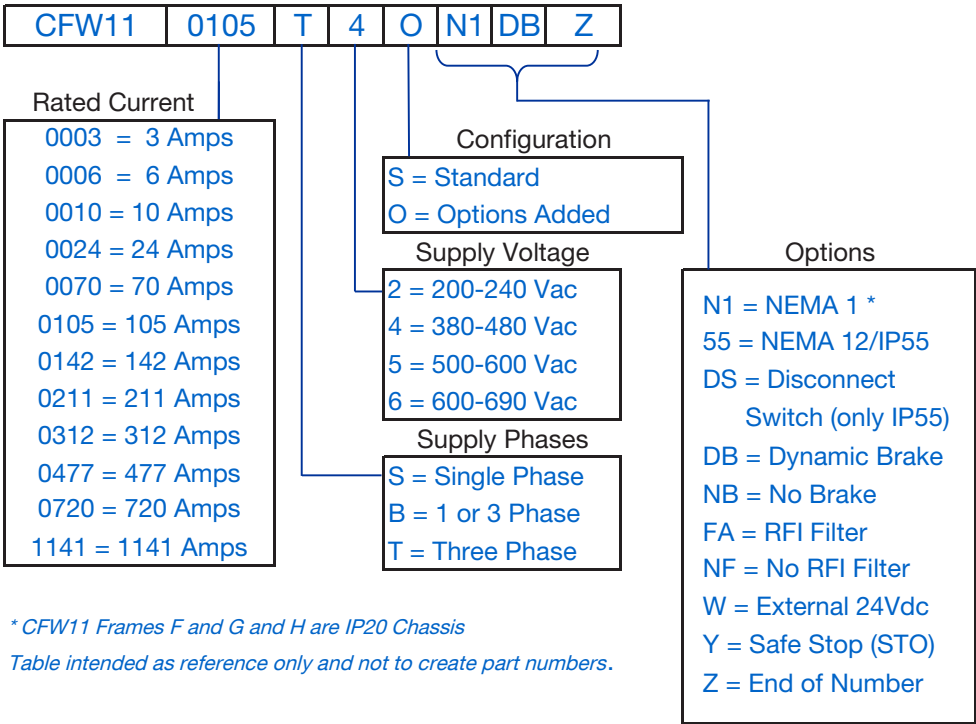
Applications

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

Optional Features

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

CFW11 Catalog Number Sequence



CFW11 NEMA1 VFD



CFW11 NEMA12/IP55 VFD

Drive Ratings

Normal Duty (ND) Cycle:

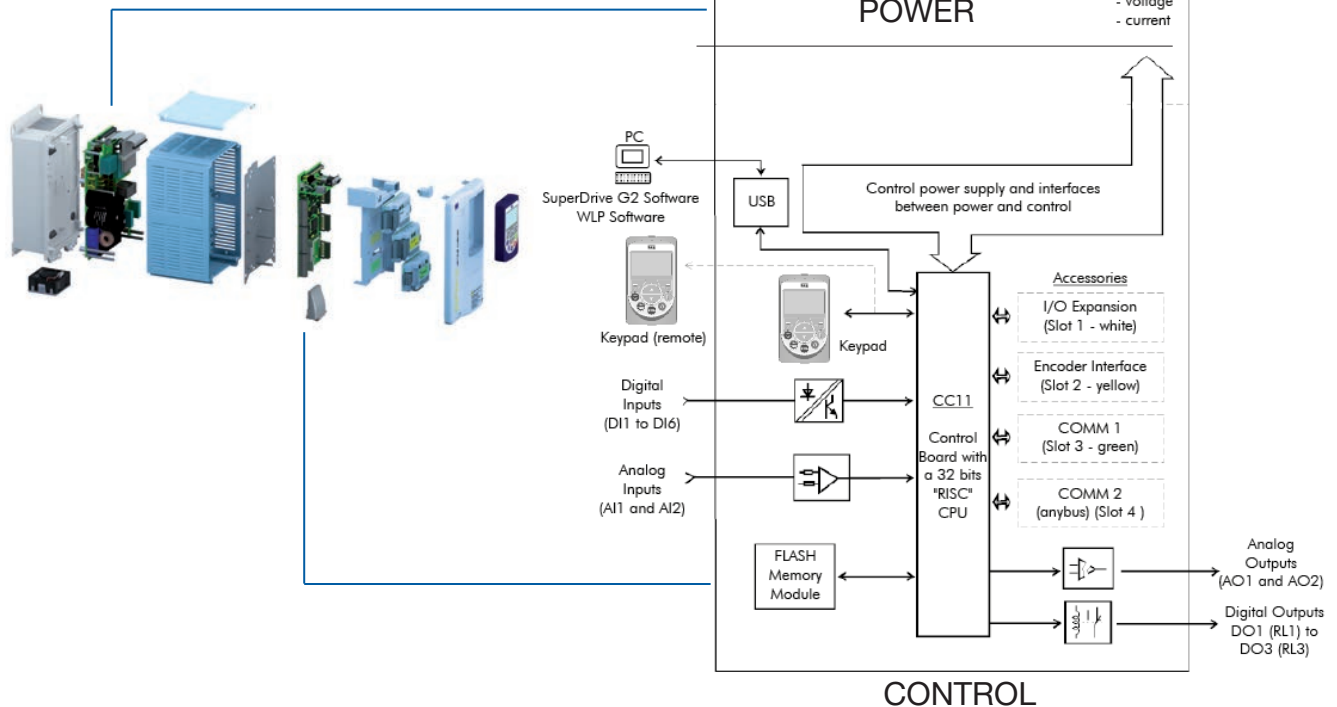
- 110% for 60 seconds every 10 minutes
- 150% for 3 seconds every 10 minutes

Heavy Duty (HD) Cycle:

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

Sizing the drive

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



Notes:

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

Variable Frequency Drives



CFW11

NEMA 1 Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	1 1/2	6.0	1 1/2	5.0	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	125	\$7,222	V1
	40	105	30	86	CFW110105T2ON1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$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.

NEMA 1 Enclosure

Motor Volt- age	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
460 Vac	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
	2	3.6	2	3.6	CFW110003T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,616	V1
	3	5.0	3	5.0	CFW110005T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,650	
	5	7.0	3	5.5	CFW110007T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,712	
	7 1/2	10	5	10	CFW110010T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$1,969	
	10	13.5	7 1/2	11	CFW110013T40N1Z	Yes	A ⁹	12.1 x 5.8 x 9.0	22	\$2,068	
	10	17	10	13.5	CFW110017T40N1Z	Yes	B ⁹	13.9 x 7.5 x 9.0	23	\$2,530	
	15	24	10	19	CFW110024T40N1Z	Yes	B ⁹	13.9 x 7.5 x 9.0	23	\$2,992	
	20	31	15	25	CFW110031T40N1Z	Yes	B ⁹	13.9 x 7.5 x 9.0	23	\$3,873	
	25	38	20	33	CFW110038T40N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$4,300	
	30	45	25	38	CFW110045T40N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$5,400	
	40	58.5	30	47	CFW110058T40N1Z	Yes	C	17.7 x 8.7 x 11.5	46	\$6,633	
	50/60	70.5	40	61	CFW110070T40N1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$7,500	
	60/75	88	50	73	CFW110088T40N1Z	Yes	D	19.9 x 11.9 x 12.0	125	\$8,900	
	75	105	75	88	CFW110105T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$13,600	
	100/125	142	75	115	CFW110142T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$15,900	
	150	180	100/125	142	CFW110180T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$23,115	
	175	211	150	180	CFW110211T40N1DBZ	Yes	E ⁵	26.6 x 13.2 x 14.1	144	\$27,020	
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
	75	105	75	88	CFW110105T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$10,650	V1
	100/125	142	75	115	CFW110142T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$12,500	
	150	180	100/125	142	CFW110180T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$17,500	
	175	211	150	180	CFW110211T40N1Z	No	E ⁵	26.6 x 13.2 x 14.1	144	\$21,000	
	200	242	150	211	CFW110242T4SZ	No	F ^{5, 7, 10}	48.6 x 16.9 x 14.2	309	\$23,000	
	250	312	200	242	CFW110312T4SZ	No	F ^{5, 7, 10}	48.6 x 16.9 x 14.2	309	\$29,366	
	300	370	250	312	CFW110370T4SZ	No	F ^{5, 7, 10}	48.6 x 16.9 x 14.2	309	\$31,314	
	400	477	300	370	CFW110477T4SZ	No	F ^{5, 7, 10}	48.6 x 16.9 x 14.2	309	\$41,027	
	450	515	400	477	CFW110515T4SZ	No	G ^{5, 7, 10}	50 x 21.1 x 16.8	474	\$43,970	
	500	601	450	515	CFW110601T4SZ	No	G ^{5, 7, 10}	50 x 21.1 x 16.8	474	\$50,088	
	600	720	500	560	CFW110720T4SZ	No	G ^{6, 7, 10}	50 x 21.1 x 16.8	474	\$59,330	
	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	\$74,135	
750	877	600	715	CFW110877T4OYZ-LR	No	H ^{6, 7, 8, 11}	55.7 x 27.1 x 16.6	470			
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	\$92,842		
950	1062	750	855	CFW111062T4OYZ-LR	No	H ^{6, 7, 8, 11}	55.7 x 27.1 x 16.6	486			
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	\$105,623		
1000	1141	850	943	CFW111141T4OYZ-LR	No	H ^{6, 7, 8, 11}	55.7 x 27.1 x 16.6	486			
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 AMPA 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

- 7) IEC2 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

Variable Frequency Drives



CFW11

NEMA 1 Enclosure

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

NEMA12 / IP55 Enclosure with Disconnect Switch

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

Notes:

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

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

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 communication module with DIP-switches for microcontroller'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
	ETHERCAT-05	EtherCAT Communication Module	4	\$1,117	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
	MODBUSTCP-2P-05	Modbus - TCP/IP interface module, 2-ports	4	\$1,567	V1
	PROFINET IO-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 Modbus-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

Data is subject to change without notice.

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	NEMA 1 Conduit Kit for frame size A with power cables shielding	\$69	V1
	KN1B-01	NEMA 1 Conduit Kit for frame size B with power cables shielding	\$82	V1
	KN1C-01	NEMA 1 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	NEMA 1 Top cover kit for frame size E (105 and 142A)	\$78	V1
	KN1E-02	NEMA 1 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 & CFW701)	\$48	V1
	PCSB-01	Power Cables Shielding Kit for frame size B (CFW11, CFW700 & CFW701)	\$51	V1
	PCSC-01	Power Cables Shielding Kit for frame size C (CFW11, CFW700 & CFW701)	\$54	V1
	PCSD-01	Power Cables Shielding Kit for frame size D (CFW11, CFW700 & CFW701)	\$56	V1
	PCSE-01	Power Cables Shielding Kit for frame size E (CFW11, CFW700 & CFW701)	\$76	V1
Dynamic Brake	DBW030380D3848SZ	External Dynamic Braking Module for CFW11 - T4, Frame F & G (380 to 480VAC), 380A.	\$6,822	V1
	DBW040380D3848SZ	External Dynamic Braking Module for CFW11 - T4, Frame H (380 to 480VAC), 380A.	\$6,822	V1
	DBW030250D5069SZ	External Dynamic Braking Module for CFW11 - T4, Frame H (380 to 480VAC), 380A.	\$6,654	V1
	DBW040250D5069SZ	External Dynamic Braking Module for CFW11 - T5/T6, Frame H (500 to 690VAC), 250A.	\$6,654	V1
	KIP20	IP20 kit for DBW03 / DBW04	\$96	V1

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

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 / IP20 / NEMA12 (IP55)	
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	RS-232 (Modbus RTU), RS-485 (Modbus RTU), CANOpen, DeviceNet, Profibus DP	
		DeviceNet, Profibus DP-V1, Ethernet/IP, Modbus TCP, Profinet IO (Active Module)	
		RS232, RS485 (Passive Module)	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C) for Frame A to E; 14 - 113°F (45°C) for Frame-F & G (except 720A).	
		14 - 104°F (40°C) for NEMA12/IP55	
		2% Current derating for every 1°C above maximum temperature (limited to 10°C)	
	Humidity	5-95% Non Condensing	
Regulatory Conformance	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
	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.	
Approvals	RoHS and WEEE Guidelines		
	UL, cUL, CE, C-Tick, GOST		
Special Functions	Linear and “S” ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		



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	CFW110006B20N1Z	CFDB2-125-224	125	224	5 x 12 x 5	\$520	V1
	2	CFW110007B20N1Z	CFDB2-95-298	95	298	5 x 12 x 7	\$749	V1
	2	CFW110007T20N1Z	CFDB2-95-298	95	298	5 x 12 x 7	\$749	V1
	3	CFW110010S20N1Z	CFDB2-63-448	63	448	5 x 12 x 7	\$749	V1
	3	CFW110010T20N1Z	CFDB2-63-448	63	448	5 x 12 x 7	\$749	V1
	5	CFW110013T20N1Z	CFDB2-38-746	38	746	5 x 12 x 10	\$941	V1
	5	CFW110016T20N1Z	CFDB2-38-746	38	746	5 x 12 x 10	\$941	V1
	7 1/2	CFW110024T20N1Z	CFDB5-26-1119	26	1,119	5 x 12 x 13	\$1,130	V1
	10	CFW110028T20N1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,322	V1
	10	CFW110033T20N1Z	CFDB2-19-1492	19	1,492	5 x 12 x 16	\$1,322	V1
	15	CFW110045T20N1Z	CFDB2-13-2238	12.6	2,238	5 x 19 x 10	\$1,644	V1
	20	CFW110054T20N1Z	CFDB2-10-2984	9.6	2,984	5 x 19 x 10	\$1,644	V1
	25	CFW110070T20N1Z	CFDB2-8-3730	7.5	3,730	5 x 19 x 13	\$1,997	V1
	30	CFW110086T20N1Z	CFDB2-7-4476	6.3	4,476	5 x 26.5 x 13	\$2,588	V1
	40	CFW110105T20N1Z	CFDB2-5-5968	4.9	5,968	5 x 26.5 x 16	\$3,269	V1
	50	CFW110142T20N1DBZ	CFDB2-4-7460	3.9	7,460	10 x 28 x 10	\$3,820	V1
	60	CFW110180T20N1DBZ	CFDB2-4-8952	3.3	8,952	10 x 28 x 10	\$3,820	V1
	75	CFW110211T20N1DBZ	CFDB2-3-11190	2.7	11,190	10 x 28 x 13	\$5,622	V1
460 Vac	2	CFW110003T40N1Z	CFDB2-375-298	375	298	5 x 12 x 7	\$749	V1
	3	CFW110005T40N1Z	CFDB2-250-448	250	448	5 x 12 x 7	\$749	V1
	5	CFW110007T40N1Z	CFDB2-150-746	150	746	5 x 12 x 10	\$941	V1
	7 1/2	CFW110010T40N1Z	CFDB2-100-1119	100	1,119	5 x 12 x 13	\$1,130	V1
	10	CFW110013T40N1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,322	V1
	10	CFW110017T40N1Z	CFDB2-75-1492	75	1,492	5 x 12 x 16	\$1,322	V1
	15	CFW110024T40N1Z	CFDB2-50-2238	50	2,238	5 x 19 x 13	\$1,820	V1
	20	CFW110031T40N1Z	CFDB2-38-2984	38	2,984	5 x 19 x 16	\$2,201	V1
	25	CFW110038T40N1Z	CFDB2-30-3730	30	3,730	5 x 26.5 x 13	\$2,511	V1
	30	CFW110045T40N1Z	CFDB2-25-4476	25	4,476	5 x 26.5 x 13	\$2,511	V1
	40	CFW110058T40N1Z	CFDB2-19-5968	19	5,968	5 x 26.5 x 16	\$2,938	V1
	50/60	CFW110070T40N1Z	CFDB2-15-8952	15	8,952	10 x 28 x 13	\$4,328	V1
	75	CFW110088T40N1Z	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$5,659	V1
	75	CFW110105T40N1DBZ	CFDB2-10-11190	10	11,190	10 x 28 x 16	\$5,659	V1
	100/125	CFW110142T40N1DBZ	CFDB2-8-18650	8	18,650	24 x 30 x 18	\$9,560	V1
	150	CFW110180T40N1DBZ	CFDB2-5-22380	5	22,380	24 x 30 x 18	\$11,854	V1
	175	CFW110211T40N1Z	CFDB2-5-29840	5	29,840	24 x 30 x 18	\$11,854	V1
	200	CFW110242T40N1Z	CFDB2-4-29840	3.8	29,840	30 x 18 x 32	\$11,854	V1
	250	CFW110312T40N1Z	CFDB2-3-37300	3	37,300	30 x 18 x 32	\$12,533	V1
	300	CFW110370T40N1Z	CFDB2-3-44760	2.5	44,760	30 x 18 x 32	\$15,393	V1
	350	CFW110477T40N1Z	CFDB2-3-52220	2.2	52,220	30 x 18 x 48	\$21,406	V1
	400	CFW110515T40N1Z	CFDB2-2-59680	1.9	59,680	30 x 18 x 48	\$22,167	V1
	500	CFW110601T40N1Z	CFDB2-2-74600	1.5	74,600	30 x 18 x 64	\$32,077	V1
	600	CFW110720T40N1Z	Consult with WEG					V1

Notes:

1) Dimensions are provided for estimating purposes only.

General Information

CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HWW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

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	CFW110006B20N1Z	CFDB5-125-560	125	560	5 x 12 x 10	\$941	V1
	2	CFW110007B20N1Z	CFDB5-95-746	95	746	5 x 12 x 10	\$941	V1
	2	CFW110007T20N1Z	CFDB5-95-746	95	746	5 x 12 x 10	\$941	V1
	3	CFW110010S20N1Z	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,130	V1
	3	CFW110010T20N1Z	CFDB5-63-1119	63	1,119	5 x 12 x 10	\$1,130	V1
	5	CFW110013T20N1Z	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,820	V1
	5	CFW110016T20N1Z	CFDB5-38-1865	38	1,865	5 x 19 x 13	\$1,820	V1
	7 1/2	CFW110024T20N1Z	CFDB5-26-2798	26	2,798	5 x 26.5 x 13	\$2,511	V1
	10	CFW110028T20N1Z	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,511	V1
	10	CFW110033T20N1Z	CFDB5-19-3730	19	3,730	5 x 26.5 x 13	\$2,511	V1
	15	CFW110045T20N1Z	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16	\$2,938	V1
	20	CFW110054T20N1Z	CFDB5-10-7460	9.6	7,460	10 x 28 x 13	\$4,663	V1
	25	CFW110070T20N1Z	CFDB5-8-9325	7.5	9,325	10 x 28 x 13	\$4,663	V1
	30	CFW110086T20N1Z	CFDB5-7-11190	6.3	11,190	10 x 28 x 16	\$5,254	V1
	40	CFW110105T20N1Z	CFDB5-5-14920	4.9	14,920	24 x 30 x 18	\$6,762	V1
	50	CFW110142T20N1DBZ	CFDB5-4-18650	3.9	18,650	24 x 30 x 18	\$10,325	V1
	60	CFW110180T20N1DBZ	CFDB5-4-22380	3.3	22,380	24 x 30 x 18	\$10,325	V1
	75	CFW110211T20N1DBZ	CFDB5-3-27975	2.7	27,975	32 x 30 x 18	\$10,325	V1
460 Vac	2	CFW110003T40N1Z	CFDB5-375-746	375	746	5 x 12 x 13	\$1,130	V1
	3	CFW110005T40N1Z	CFDB5-250-1119	250	1,119	5 x 12 x 16	\$1,511	V1
	5	CFW110007T40N1Z	CFDB5-150-1865	150	1,865	5 x 19 x 13	\$1,703	V1
	7 1/2	CFW110010T40N1Z	CFDB5-100-2798	100	2,798	5 x 19 x 16	\$1,892	V1
	10	CFW110013T40N1Z	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$2,938	V1
	10	CFW110017T40N1Z	CFDB5-75-3730	75	3,730	5 x 26.5 x 16	\$2,938	V1
	15	CFW110024T40N1Z	CFDB5-50-5595	50	5,595	10 x 28 x 13	\$4,254	V1
	20	CFW110031T40N1Z	CFDB5-38-7460	38	7,460	10 x 28 x 13	\$4,254	V1
	25	CFW110038T40N1Z	CFDB5-30-9325	30	9,325	10 x 28 x 16	\$4,715	V1
	30	CFW110045T40N1Z	CFDB5-25-11190	25	11,190	10 x 28 x 16	\$5,071	V1
	40	CFW110058T40N1Z	CFDB5-19-14920	19	14,920	24 x 30 x 18	\$8,858	V1
	50/60	CFW110070T40N1Z	CFDB5-15-22380	15	22,380	24 x 30 x 18	\$10,176	V1
	75	CFW110088T40N1Z	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$14,625	V1
	75	CFW110105T40N1DBZ	CFDB5-10-27975	10	27,975	32 x 30 x 18	\$14,625	V1
	100/125	CFW110142T40N1DBZ	CFDB5-8-46625	8	46,625	32 x 30 x 18	\$16,923	V1
	150	CFW110180T40N1DBZ	CFDB5-5-55950	5	55,950	48 x 30 x 18	\$18,814	V1
	175	CFW110211T40N1DBZ	CFDB5-5-74600	5	74,600	72 x 30 x 18	\$31,678	V1
	200	CFW110242T40N1Z	CFDB5-4-74600	3.8	74,600	30 x 18 x 72	\$31,678	V1
	250	CFW110312T40N1Z	CFDB5-3-93250	3	93,250	30 x 18 x 72	\$31,678	V1
	300	CFW110370T40N1Z	CFDB5-3-111900	2.5	111,900	(2) 30 x 18 x 56	\$54,028	V1
	350	CFW110477T40N1Z	CFDB5-3-130550	2.2	130,550	(2) 30 x 18 x 56	\$54,028	V1
	400	CFW110515T40N1Z	CFDB5-2-149200	1.9	149,200	(2) 30 x 18 x 56	\$73,288	V1
	500	CFW110601T40N1Z	CFDB5-2-186500	1.5	186,500	(2) 30 x 18 x 56	\$73,288	V1
	600	CFW110720T40N1Z	Consult with WEG					V1

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



NON-STOCK (call for lead time)

Line and Load Reactors for VFDs

3% Z (Impedance) – NEMA 1 Enclosure

Motor Voltage	Motor HP	Reactor Amps	Catalog Number	Dimensions (in.) ¹ HxWxD	Approx. Weight (lbs.) ¹	List Price	Multiplier
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.

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

CFW11M - Modular Drive

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

Standard Features:

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



Optional Features

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

Applications

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

CFW11M Catalog Number Sequence

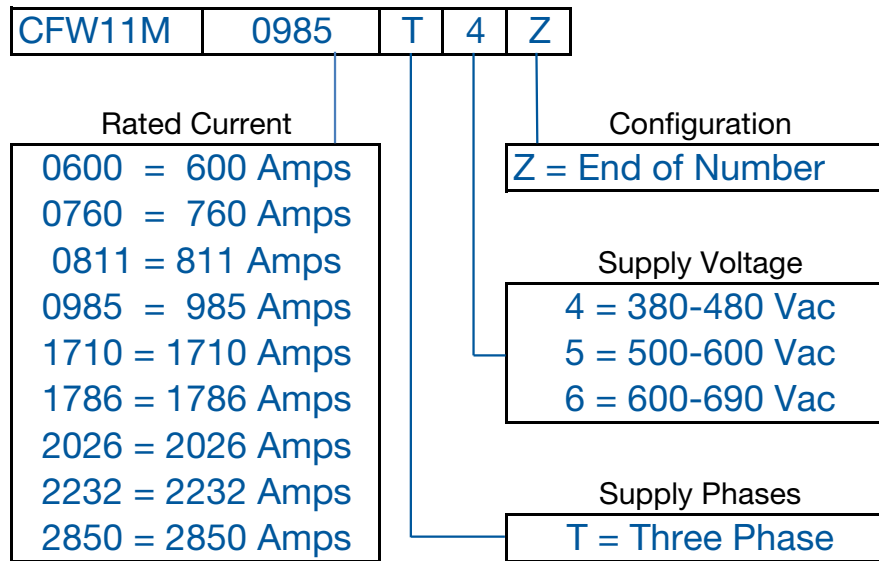


Table intended as reference only and not to create part numbers.

General Information

CFW1100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW11M

Modular Drive in NEMA 12 Enclosure

Motor Voltage	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³	Catalog Number	Rectifier ⁴ Type (Pulses)	Dimensions (in.) ⁵ HxWxD	List Price	Multiplier
	ND / VT ¹		HD / CT ¹						
380-480 Vac	Input Power Supply: Three-Phase 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
500-600 Vac	Input Power Supply: Three-Phase 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
660-690 Vac	Input Power Supply: Three-Phase 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

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

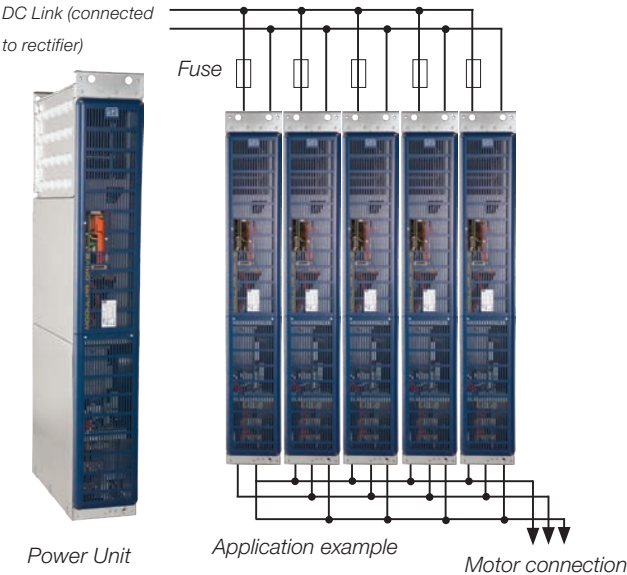
For other technical data please refer to WEG product manual.

Consult factory for individual module pricing

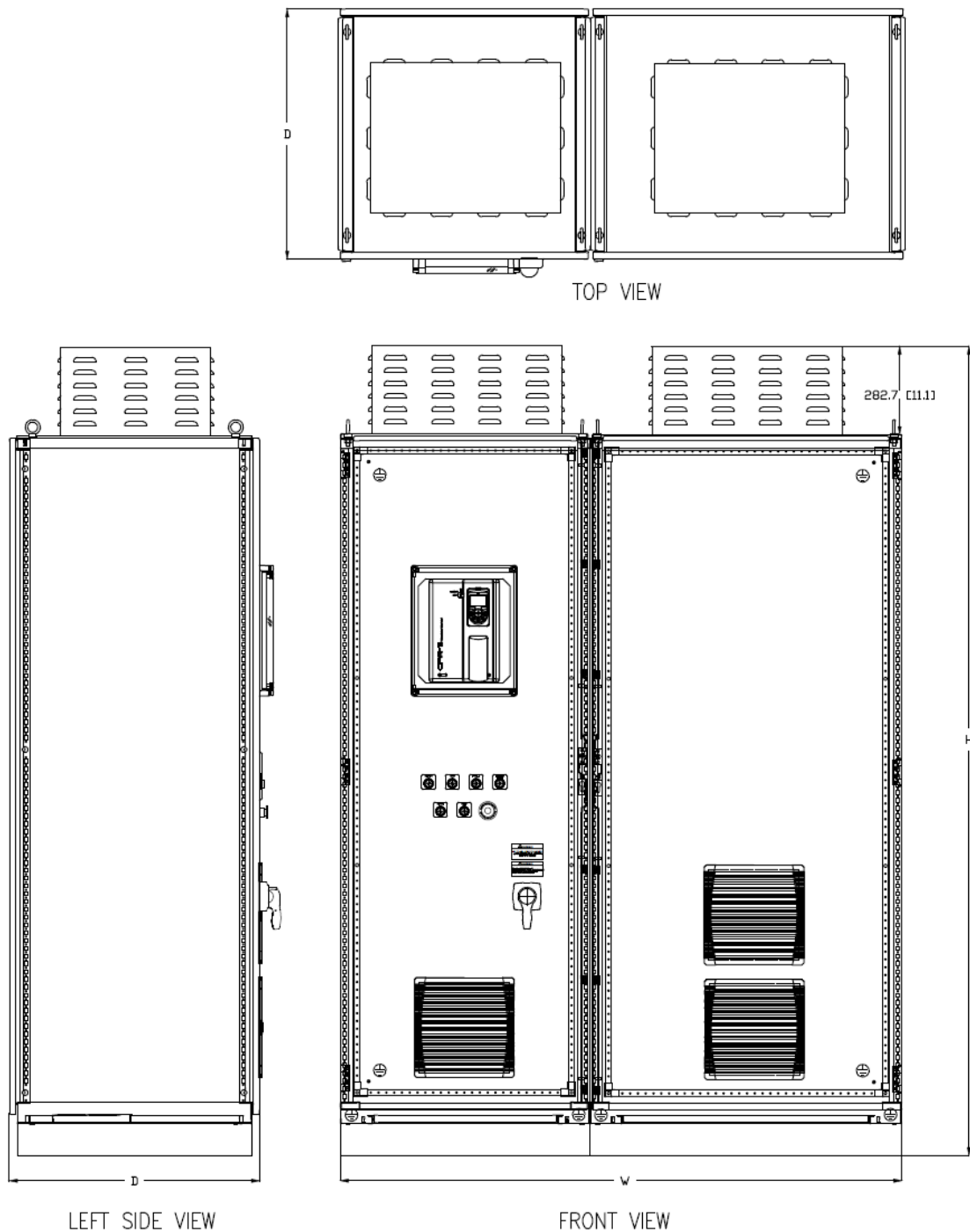
Power Unit

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

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



Dimensions



Freestanding Enclosure

Variable Frequency Drives



PUMP GENIUS™

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

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



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



PC Software - Download from www.weg.net



Performance Features

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

Pump Control Features

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

Drive and Motor Protective Features

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

Pump Protective Features

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



PUMP GENIUS

Operation

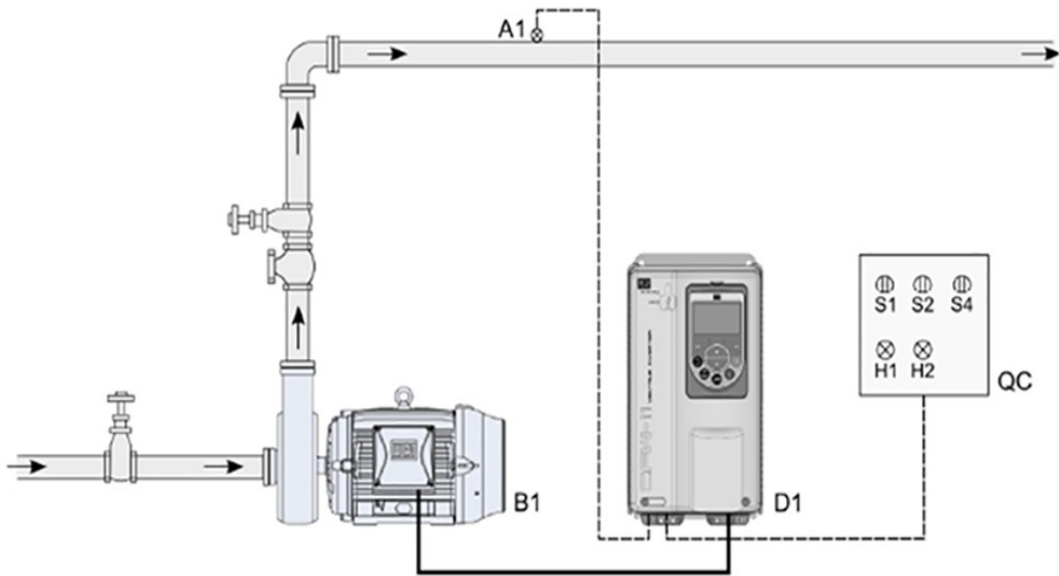
Pump Genius™ works with the WEG CFW11 drive to control pump system processes. Monitoring system pressure or flow, it adjusts pump speed to meet pumping requirements.

Pump Genius™ - Simplex (Single Pump Control)

Pump Genius™ - Simplex Operation

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

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



Pump Genius™ - Simplex Configuration



Single Drive Pump System

PUMP GENIUS

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

continued on next page

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW11M
PUMP GENIUS
CFW700 SINGLE PHASE
CFW08 WASH
CFW501
CFW701
HVW701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



PUMP GENIUS

Single Drive Pump System - continued

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

Notes:

1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.

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

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

4) Maximum 45°C ambient temperature without derating

5) IP20 enclosure protection level

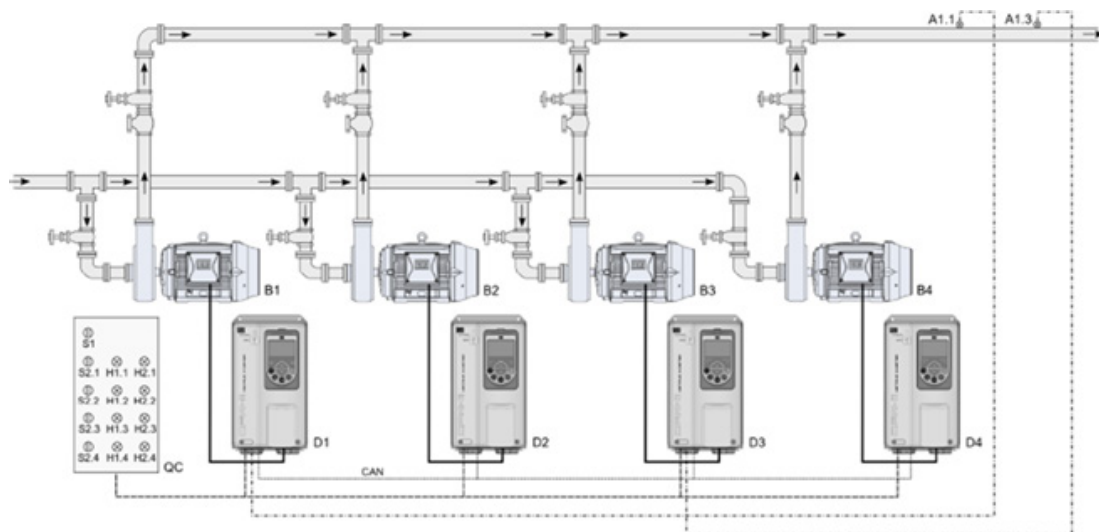
For other technical data please refer to WEG product manual.

Pump Genius™ - Multiplex (Multiple Pump System Control)

Pump Genius™ - Multiplex Operation

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

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



Pump Genius™ - Multiplex
Configuration

PUMP GENIUS

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

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

continued on next pagee

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

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

Notes:

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

CFW700 Drives for Single-Phase Supply

The WEG CFW700 for Single-Phase Supply is a high-performance variable frequency drive that uses Single-Phase input power and converts it to three-phase power for induction motors and other equipment. It is ideal for applications on machines or equipment that are powered by a three-phase induction motor where a three-phase power source is not viable.

The CFW700 features performance that can be scaled to match the application by selecting scalar control (V/F) or WEG field oriented Sensorless Vector control (Voltage Vector WEG), and Vector control with encoder.

A unique drive with valuable features:

- Simplicity – same setup and programming method as all other WEG drives
- Conformal Coated boards for harsh environments
- Rated 50 °C (122 °F) – up to 60 °C (140 °F) with derating
- Built in PID controllers can be programmed in engineering units to manage speed, flow or pressure.
- Encoder Input - Standard
- Integral 24VDC Power Supply available for process transducers is standard
- Soft-PLC with free WLP ladder programming software
- RS-485 Modbus RTU communications included as standard
- Self-tuning function automatically matches VFD with motor

CFW700 is available in variable torque and constant torque ratings for a broad range of applications.



Applications

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

CFW700 Single-Phase

CFW700 Single-Phase Drive Catalog Number Sequence

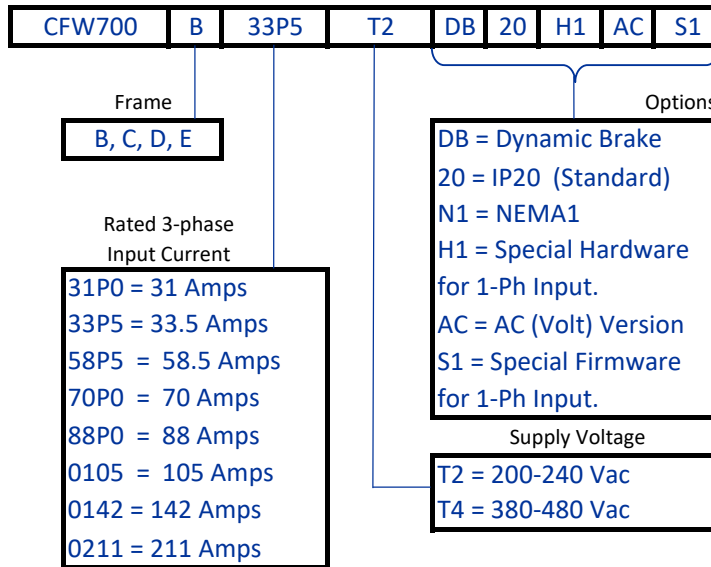
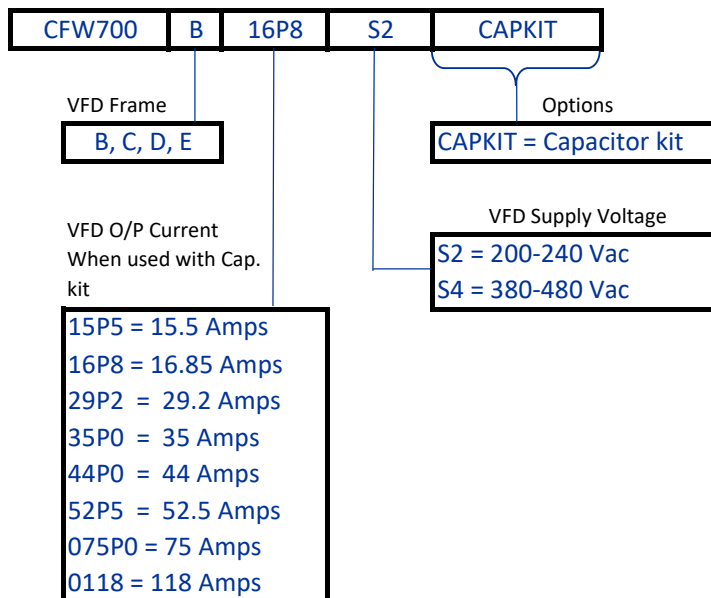


Table intended as reference only and not to create part numbers

CFW700 Capacitor Kit Catalog Number Sequence



* Note: Capacitor kit is IP00 protection and ships loose for customer installation. It is Not UL Listed.

Table intended as reference only and not to create part numbers

General Information

CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HWW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

Variable Frequency Drives



CFW700 Single Phase Drives

CFW700 Single-Phase

3-Phase Motor Voltage	HD / CT ¹		VFD & CAP. kit Catalog Number	SAP Material Number ⁶	VFD Frame Size	Dimensions (in.) HxWxD ⁵	Approx. Weight (lbs.)	List Price	Multiplier
	Motor HP ²	Drive Output Amps ³							
208-230 Vac / 3-Phase	1	5.0	CFW700A06P0B2DB20	11311578	A	9.8" x 5.8" x 9"	13.9	\$1,370	V1
	2	7.0	CFW700A07P0B2DB20	11968971	A	9.8" x 5.8" x 9"	13.9	\$1,430	V1
	3	10.0	CFW700A10P0S2DB20	11311929	A	9.8" x 5.8" x 9"	13.9	\$1,510	V1
	5	15.0	CFW700B33P5T2DB20H1ACS1	13540827	B	11.6" x 7.5" x 9"	20.0	\$2,450	V1
	5	16.8	CFW700B33P5T2DB20H1ACS1	13540827	B	11.6" x 7.5" x 9"	20.0	\$2,450	V1
			CFW700B16P8S2CAPKIT ⁴	14565955	Fig. 1	6" x 4.5" x 3.6"	1.5	\$219	
	10	27.0	CFW700C70P0T2DB20H1ACS1	13541028	C	15" x 8.7" x 11.6"	39.5	\$4,220	V1
	10	35.0	CFW700C70P0T2DB20H1ACS1	13541028	C	15" x 8.7" x 11.6"	39.5	\$4,220	V1
			CFW700C35P0S2CAPKIT ⁴	14566073	Fig. 2	6" x 7.5" x 6.6"	4.5	\$510	
	15	40.0	CFW700D0105T2DBN1H1ACS1	13541029	D	20" x 11.9" x 12"	69.2	\$7,005	V1
	20	52.5	CFW700D0105T2DBN1H1ACS1	13541029	D	20" x 11.9" x 12"	69.2	\$7,005	V1
			CFW700D52P5S2CAPKIT ⁴	14566074	Fig. 3	6" x 7.5" x 6.6"	5.2	\$653	
	25	75.0	CFW700E0142T2DBN1H1ACS1	14852078	E	24.4" x 13.2" x 14.1"	141.1	\$10,645	V1
460 Vac / 3-Phase	40	105.5	CFW700E0211T2DB20H1ACS1	13541032	E	24.4" x 13.2" x 14.1"	143.3	\$18,107	V1
	7.5	11.0	CFW700B31P0T4DB20H1ACS1	13540823	B	11.6" x 7.5" x 9"	23.0	\$3,190	V1
	10	15.5	CFW700B31P0T4DB20H1ACS1	13540823	B	11.6" x 7.5" x 9"	23.0	\$3,190	V1
			CFW700B15P5S4CAPKIT ⁴	14566075	Fig. 4	6" x 7.5" x 3.6"	2.9	\$362	
	15	20.0	CFW700C58P5T4DB20H1ACS1	13540824	C	15" x 8.7" x 11.6"	45.2	\$5,985	V1
	25	29.2	CFW700C58P5T4DB20H1ACS1	13540824	C	15" x 8.7" x 11.6"	45.2	\$5,985	V1
			CFW700C29P2S4CAPKIT ⁴	14566076	Fig. 3	6" x 7.5" x 6.6"	5.2	\$652	
	25	30.0	CFW700D88P0T4DBN1H1ACS1	13540825	D	20" x 11.9" x 12"	71.8	\$7,960	V1
	30	44.0	CFW700D88P0T4DBN1H1ACS1	13540825	D	20" x 11.9" x 12"	71.8	\$7,960	V1
			CFW700D44P0S4CAPKIT ⁴	14566077	(2x) Fig. 3	2 x (6" x 7.5" x 6.6")	10.3	\$1,259	
	40	50.0	CFW700E0142T4DBN1H1ACS1	14852081	E	24.4" x 13.2" x 14.1"	141.1	\$11,490	V1
	60	75.0	CFW700E0142T4DBN1H1ACS1	14852081	E	24.4" x 13.2" x 14.1"	141.1	\$11,490	V1
			CFW700E075P0S4CAPKIT ⁴	14949251	(1x) Fig. 3 (1x) Fig. 4	1 x (6" x 7.5" x 6.6") 1 x (6" x 7.5" x 3.6")	20.0	\$1,495	
	100	118.0	CFW700E0211T4DBN1H1ACS1	13540826	E	24.4" x 13.2" x 14.1"	141.1	\$18,250	V1
			CFW700E0118S4CAPKIT ⁴	14566138	Fig. 5	7" x 10.7" x 9"	12.7	\$1,730	

Notes:

1) CT = Constant Torque; 150% overload for 60 seconds, repeatable every 10 minutes.

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 Output AMPS of drive.

4) The Capacitor kits are not UL Listed. They are open style, IP00 rating.

5) Dimensions are provided for estimating purposes only.

6) Use SAP Material Number to order the VFD &/or Capacitor kit.

Dimensions

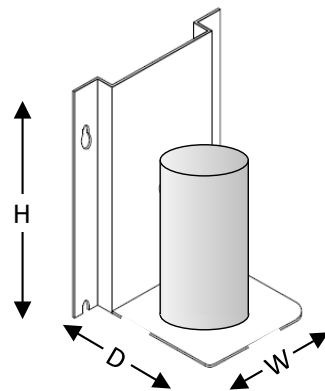


Figure 1

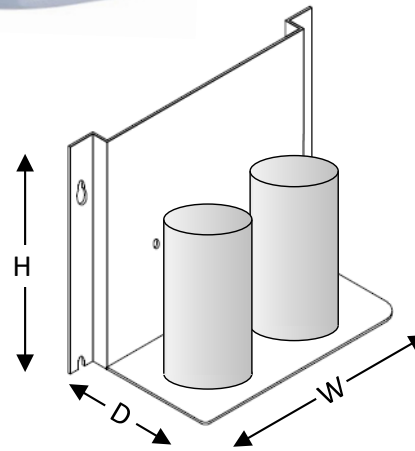


Figure 4

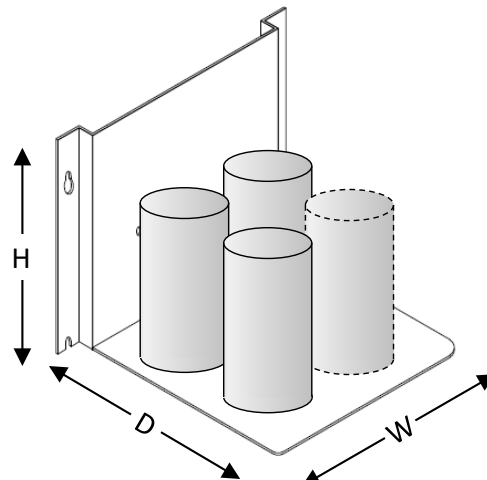


Figure 2,3 or 5

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW700 Single Phase Drives

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 DOR; NO/NC Form C)	\$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 for CFW700	\$320	V1
	RHMIF-02	CFW700 Remote Keypad Frame Kit for CFW700	\$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 & CFW701)	\$54	V1
	IHM-CAB-RS-2M	6.6 ft (2 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$60	V1
	IHM-CAB-RS-3M	9.9 ft (3 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$66	V1
	IHM-CAB-RS-5M	16 ft (5 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$75	V1
	IHM-CAB-RS-7.5M	25 ft (7.5 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$90	V1
	IHM-CAB-RS-10M	33 ft (10 meter) Remote Keypad Cable (CFW11, CFW700 & CFW701)	\$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
Remote Oper. Station	CSW30-SP3PBS	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)	\$535	Z5
NEMA1 Conduit Kits	KN1A-02	NEMA1 - Conduit Kit for frame size A with power cables shielding	\$125	V1
	KN1B-02	NEMA1 - Conduit Kit for frame size B with power cables shielding	\$125	V1
	KN1C-02	NEMA1 - Conduit Kit for frame size C with power cables shielding	\$142	V1
	KN1E-01	NEMA1 - Top cover kit for frame size E (105 & 142A)	\$78	V1
	KN1E-02	NEMA1 - 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:

Technical Data

Power Supply	Voltage	Single phase	200-240 Vac (+10%, -15%)
			380-480 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
Enclosure	Degree of Protection	IP20 (NEMA 1 Optional)	
Control	Control Modes	Volts per Hertz (Scalar)	Voltage Vector (VWV)
		Sensorless Vector	Vector with encoder
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	1.25, 2.0, 2.5, 5.0 or 10.0 kHz	
	Frequency Range	0-300 Hz in Scalar Mode; 120 Hz in Vector Mode	
	Overload Capacity	CT = Constant Torque, 150% overload / 60 sec.	
Control Inputs	8 programmable isolated digital inputs, 24Vdc logic		
	2 isolated programmable differential analog inputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
	Motor thermistor - PTC/PT100/KTY84		
	Incremental encoder input – 5 to 12V		
Control Outputs	1 programmable relay output; NO/NC (Form C); 240Vac, 30Vdc / 0.75 A		
	4 programmable isolated open collector digital outputs; 24Vdc, 80mA max.		
	2 non-isolated programmable analog outputs 10 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
Communication	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	Isolated RS-485 / Modbus RTU (standard)	
		CAN interface module (CANopen/DeviceNet)	
		Profibus DP interface module	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
Regulatory / Safety Conformance	IEC 60146	Semiconductor 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		
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



CFW08 WASH

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

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

Standard Features

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



Applications NEMA 4X

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

Optional Features

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

CFW08 WASH Catalog Number Sequence

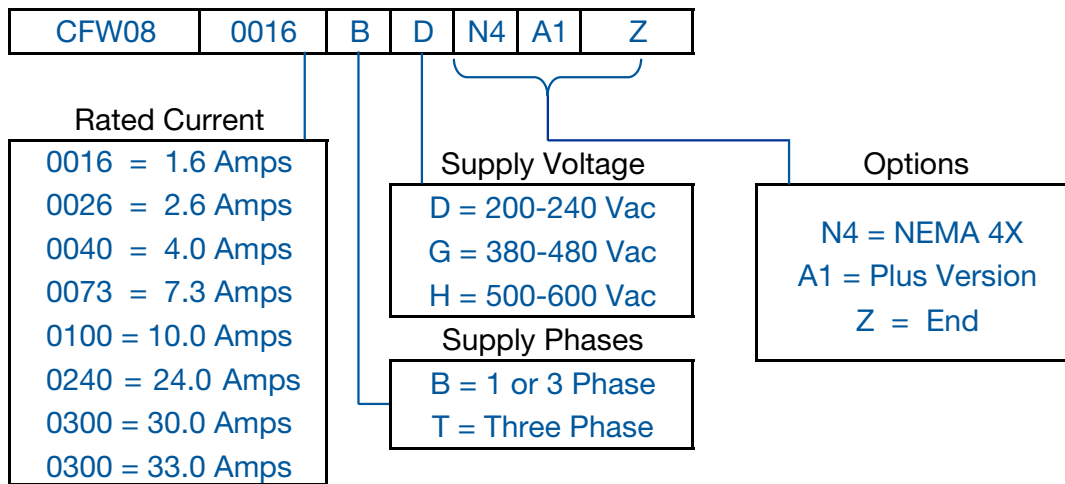


Table intended as reference only and not to create part numbers.

Variable Frequency Drives



CFW08 WASH

Wash Down - NEMA 4X Enclosure

Motor Voltage	Motor HP ¹	Drive Amps ²	Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
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
	10	33	CFW080330TDN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$2,955	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
575 Vac ³	20	30	CFW080300TGN4A1Z	Yes	B	13.4 x 8.5 x 8.5	18	\$3,474	V1
	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.

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
	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
	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

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



Dynamic Braking Resistors for CFW08 WASH **NON-STOCK (call for lead time)**

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

Technical Data

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

WEG HVAC-R Products

Drive Features

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

Performance Features

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

Drive and Motor Protection Features

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

Control Features

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

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

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

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

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

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

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

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

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

Main PID Controller – Internal PID loops available for drive control



CFW501

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

CFW501 Features

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



Applications

- | | |
|--------------------------------------|---------------------------------|
| • Hospitals | • Chillers and Compressors |
| • Airports | • Cooling Towers |
| • Shopping Malls | • Boiler Circulation Pumps |
| • Sports Facilities | • Chill Water Circulation Pumps |
| • Schools and Universities | • Exhaust Fans |
| • Hotels and Restaurants | • Clean Room Air Handling |
| • Condominium and Residential | • Tunnel Ventilation |
| • Municipal and Commercial Buildings | |

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW11M
PUMP GENIUS
CFW700 SINGLE PHASE
CFW08 WASH
CFW501
CFW701
HVW701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2

CFW501 Catalog Number Sequence

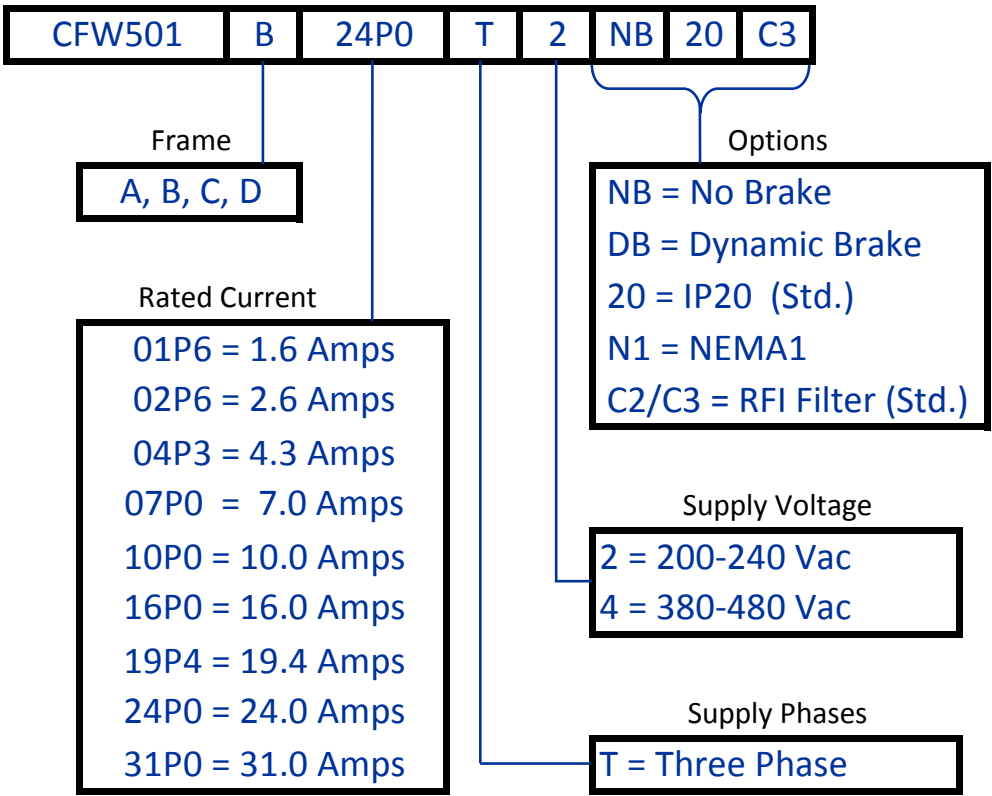


Table intended as reference only and not to create part numbers.



CFW501

IP20 Enclosure

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

***See p. 22 for Option Modules.

Notes:

1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.

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

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

4) Dimensions are provided for estimating purposes only.

For other technical data please refer to WEG product manual.

Variable Frequency Drives



CFW501

Technical Data

Power Supply	Voltage	Single Phase or Three Phase	200-240 Vac (+10%, -15%)
		Three phase	380-480 Vac (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
Enclosure	Degree of Protection	IP 20	
	Mounting	Surface mounting with screws or DIN rail mounting	
Control	Control Modes	Volts per Hertz (Scalar)	
		Sensorless Voltage Vector	
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	2.5, 5, 10 or 15kHz	
	Frequency Range	0-300 Hz	
	Overload Capacity	110% for 60 seconds, repeatable every 10 min.	
Control Inputs	4 programmable isolated digital inputs, NPN or 24Vdc logic (PNP)		
	2 programmable differential analog inputs; programmable for current or voltage Can be set as DI or as PTC input (0-10V, 4-20mA or 0-20mA)		
Control Outputs	2 Programmable relay Outputs: Form C (240V / 0.5A). 1 Programmable Transistor Output (Max. 150mA @ 24VDC). 1 Programmable differential analog Output; Programmable for current or voltage.		
Communication	Serial	2 x RS-485 Ports (Modbus RTU, BACnet & Metasys N2 as a standard)	
Safety	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
Ambient	Temperature	32 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-95% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% / 330ft (100m) output current derating	
Regulatory Confor- mance	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 com- pensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		

CFW701 HVAC-R Drives

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

Standard Features

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



Applications

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

CFW701 Catalog Number Sequence

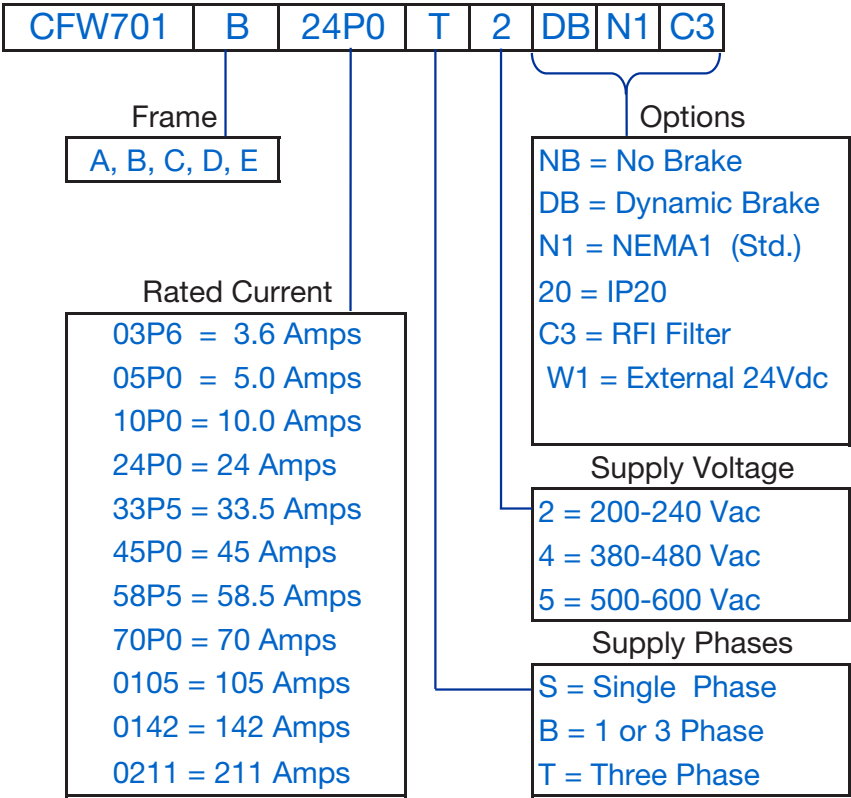


Table intended as reference only and not to create part numbers.



NEMA 1 Enclosure

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

Notes:

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

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW701

NEMA 1 Enclosure

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

Notes:

1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.

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

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

4) All 575V drives are non-stocked items. Consult WEG for availability.

5) Maximum 45°C ambient temperature without derating

6) Dimensions are provided for estimating purposes only.

For other technical data please refer to WEG product manual.

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
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-03	CFW701 Standard Keypad with USB	\$320	V1
	RHMIF-03	CFW701 Remote Keypad Frame Kit	\$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.

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



CFW701

Technical Data

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



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	CFW701A06POS2DBN1C3	CFDB5-125-224	125	224	5 x 12 x 5	\$520	V1
	2	CFW701A07POS2DBN1C3	CFDB5-95-298	95	298	5 x 12 x 7	\$749	V1
	2	CFW701A07POT2DBN1C3	CFDB5-95-298	95	298	5 x 12 x 7	\$749	V1
	3	CFW701A10POS2DBN1C3	CFDB5-63-448	63	448	5 x 12 x 7	\$749	V1
	3	CFW701A10POT2DBN1C3	CFDB5-63-448	63	448	5 x 12 x 7	\$749	V1
	5	CFW701A13POT2DBN1C3	CFDB5-38-746	38	746	5 x 12 x 10	\$941	V1
	5	CFW701A16POT2DBN1C3	CFDB5-38-746	38	746	5 x 12 x 10	\$941	V1
	7 1/2	CFW701B24POT2DBN1C3	CFDB5-26-1119	26	1,119	5 x 12 x 13	\$1,130	V1
	10	CFW701B28POT2DBN1C3	CFDB5-19-1492	19	1,492	5 x 12 x 16	\$1,322	V1
	10	CFW701B33P5T2DBN1C3	CFDB5-19-1492	19	1,492	5 x 12 x 16	\$1,322	V1
	15	CFW701C45POT2DBN1C3	CFDB5-13-2238	12.6	2,238	5 x 19 x 10	\$1,644	V1
	20	CFW701C54POT2DBN1C3	CFDB5-10-2984	9.6	2,984	5 x 19 x 10	\$1,644	V1
	25	CFW701C70POT2DBN1C3	CFDB5-8-3730	7.5	3,730	5 x 19 x 13	\$1,997	V1
	30	CFW701D86POT2DBN1C3	CFDB5-7-4476	6.3	4,476	5 x 26.5 x 13	\$2,588	V1
	40	CFW701D0105T2DBN1C3	CFDB5-5-5968	4.9	5,968	5 x 26.5 x 16	\$3,269	V1
460 Vac	2	CFW701A03P6T4DBN1C3	CFDB5-375-298	375	298	5 x 12 x 7	\$749	V1
	3	CFW701A05POT4DBN1C3	CFDB5-250-448	250	448	5 x 12 x 7	\$749	V1
	5	CFW701A07POT4DBN1C3	CFDB5-150-746	150	746	5 x 12 x 10	\$941	V1
	7 1/2	CFW701A10POT4DBN1C3	CFDB5-100-1119	100	1,119	5 x 12 x 13	\$1,130	V1
	10	CFW701A13P5T4DBN1C3	CFDB5-75-1492	75	1,492	5 x 12 x 16	\$1,322	V1
	10	CFW701B17POT4DBN1C3	CFDB5-75-1492	75	1,492	5 x 12 x 16	\$1,322	V1
	15	CFW701B24POT4DBN1C3	CFDB5-50-2238	50	2,238	5 x 19 x 13	\$1,820	V1
	20	CFW701B31POT4DBN1C3	CFDB5-38-2984	38	2,984	5 x 19 x 16	\$2,201	V1
	25	CFW701C38POT4DBN1C3	CFDB5-30-3730	30	3,730	5 x 26.5 x 13	\$2,511	V1
	30	CFW701C45POT4DBN1C3	CFDB5-25-4476	25	4,476	5 x 26.5 x 13	\$2,511	V1
	40	CFW701C58P5T4DBN1C3	CFDB5-19-5968	19	5,968	5 x 26.5 x 16	\$2,938	V1
	50/60	CFW701D70P5T4DBN1C3	CFDB2-15-8952	15	8,952	10 x 28 x 13	\$4,328	V1
	75	CFW701D88POT4DBN1C3	CFDB5-10-11190	10	11,190	10 x 28 x 16	\$5,659	V1

Notes:

1) Dimensions are provided for estimating purposes only.

Variable Frequency Drives



Dynamic Braking Resistors for CFW701

NON-STOCK (call for lead time)

100% Braking Torque at 50% Duty Cycle (30 Seconds Max. Braking Time) NEMA1 Enclosure

Motor Voltage	Motor HP ¹	CFW701 Catalog Number	Braking Resistor Catalog Number ²	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD ³	List Price	Multiplier
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.



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.

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

CFW11M

PUMP
GENIUS

CFW700
SINGLE
PHASE

CFW08
WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

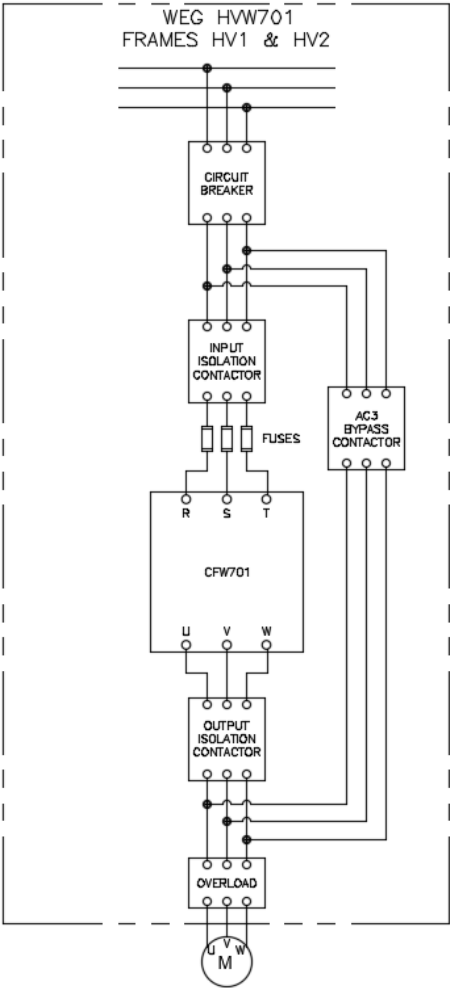
EDP11

GPH2

TPH2

HVW701 HVAC-R By-Pass

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



Available Configurations

Enclosure Frame HV1 & HV2

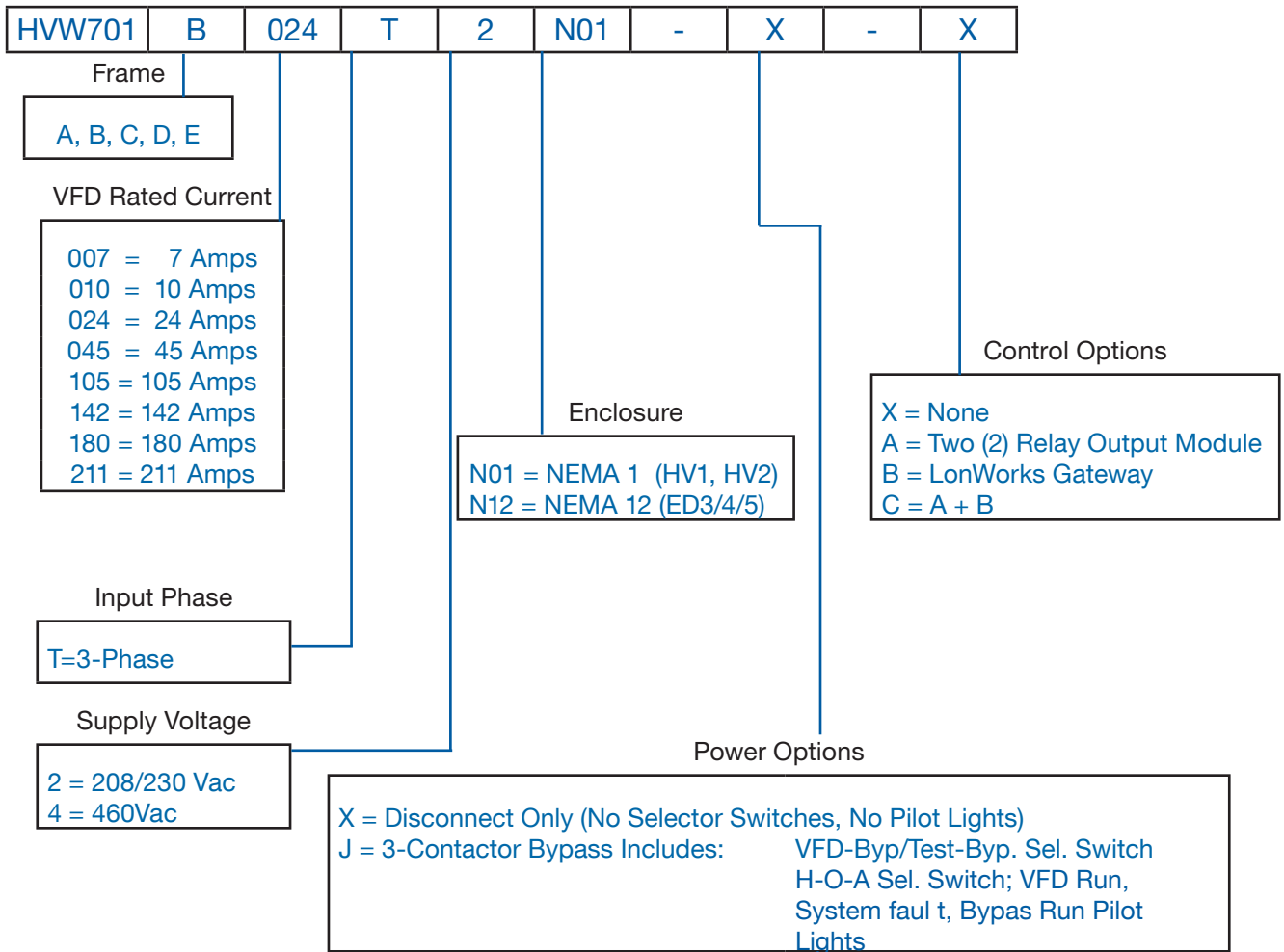
- NEMA 1 with 3-Contactor By-Pass, 65KA (Most frames available in stock)
- NEMA 1 with Circuit Breaker Only, 65KA (4 weeks)

Enclosure Frame ED3, ED4 & ED5

- NEMA 12 with 3-Contactor By-Pass, 65KA (Most frames available in stock)
- NEMA 12 with Circuit Breaker Only, 65KA (4 weeks)

3-Contactor By-Pass Example

HVW701 Catalog Number Sequence



General Information

CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HVW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

Variable Frequency Drives



HVW701

HVW701

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

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

NOTES:

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

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

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

HVW701

HVAC-R Drive Panel: Circuit Breaker Only with Relay O/P Module, SCCR - 65KA.

Motor Voltage	Motor HP ²	VFD Panel O/P Current ³	New Catalog Number	Braking Transistor	Enclosure Frame Size	List Price	Multiplier
3/208 Vac ¹	Input Power Supply: 3/208Vac ¹ (For 3/230Vac, the control power transformer must be re-configured.)						
	2	7	HVW701A007T2N01-X-A	YES	HV1	\$ 3,435	V3
	3	10	HVW701A010T2N01-X-A	YES	HV1	\$ 3,500	V3
	3	13	HVW701A013T2N01-X-A	YES	HV1	\$ 3,545	V3
	5	16	HVW701A016T2N01-X-A	YES	HV1	\$ 3,630	V3
	7.5	24	HVW701B024T2N01-X-A	YES	HV1	\$ 3,965	V3
	10	28	HVW701B028T2N01-X-A	YES	HV1	\$ 3,995	V3
	10	33.5	HVW701B033T2N01-X-A	YES	HV1	\$ 4,210	V3
	15	45	HVW701C045T2N01-X-A	YES	HV2	\$ 4,765	V3
	20	54	HVW701C054T2N01-X-A	YES	HV2	\$ 5,510	V3
	20	60	HVW701C070T2N01-X-A	YES	HV2	\$ 6,545	V3
	30	86	HVW701D086T2N12-X-A	YES	ED3	\$ 7,650	V3
	40	105	HVW701D105T2N12-X-A	YES	ED3	\$ 9,935	V3
	50	142	HVW701E142T2N12-X-A	NO	ED4	\$ 12,970	V3
	60	180	HVW701E180T2N12-X-A	NO	ED4	\$ 14,685	V3
	75	211	HVW701E211T2N12-X-A	NO	ED4	\$ 21,395	V3
3/460 Vac	Input Power Supply: 3/460Vac						
	3	5	HVW701A005T4N01-X-A	YES	HV1	\$ 3,995	V3
	7.5	10	HVW701A010T4N01-X-A	YES	HV1	\$ 4,065	V3
	10	13.5	HVW701A013T4N01-X-A	YES	HV1	\$ 4,120	V3
	10	17	HVW701B017T4N01-X-A	YES	HV1	\$ 4,340	V3
	15	24	HVW701B024T4N01-X-A	YES	HV1	\$ 4,695	V3
	25	31	HVW701B031T4N01-X-A	YES	HV1	\$ 5,155	V3
	30	38	HVW701C038T4N01-X-A	YES	HV2	\$ 5,920	V3
	30	45	HVW701C045T4N01-X-A	YES	HV2	\$ 6,405	V3
	40	58.5	HVW701C058T4N01-X-A	YES	HV2	\$ 7,050	V3
	60	70.5	HVW701D070T4N12-X-A	YES	ED3	\$ 8,630	V3
	75	88	HVW701D088T4N12-X-A	YES	ED3	\$ 11,140	V3
	75	105	HVW701E105T4N12-X-A	NO	ED4	\$ 14,120	V3
	125	142	HVW701E142T4N12-X-A	NO	ED4	\$ 15,850	V3
	150	180	HVW701E180T4N12-X-A	NO	ED4	\$ 21,075	V3
	175	211	HVW701E211T4N12-X-A	NO	ED4	\$ 24,330	V3

Notes:

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

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

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

General Information

CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HVW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

Variable Frequency Drives



HVW701

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

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

Notes:

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

HVAC-R Drive Panel: Circuit Breaker Only with Relay O/P Module and with LonWorks Gateway, SCCR - 65KA.

Motor Voltage	Motor HP ²	VFD Panel O/P Current ³	New Catalog Number	Braking Transistor	Enclosure Frame Size	List Price	Multiplier
3/208 Vac ¹	Input Power Supply: 3/208Vac ¹ (For 3/230VAC, the control power transformer must be re-configured.)						
	2	7	HVW701A007T2N01-X-C	YES	HV1	\$ 4,530	V3
	3	10	HVW701A010T2N01-X-C	YES	HV1	\$ 4,595	V3
	3	13	HVW701A013T2N01-X-C	YES	HV1	\$ 4,640	V3
	5	16	HVW701A016T2N01-X-C	YES	HV1	\$ 4,725	V3
	7.5	24	HVW701B024T2N01-X-C	YES	HV1	\$ 5,060	V3
	10	28	HVW701B028T2N01-X-C	YES	HV1	\$ 5,090	V3
	10	33.5	HVW701B033T2N01-X-C	YES	HV1	\$ 5,305	V3
	15	45	HVW701C045T2N01-X-C	YES	HV2	\$ 5,860	V3
	20	54	HVW701C054T2N01-X-C	YES	HV2	\$ 6,605	V3
	20	60	HVW701C070T2N01-X-C	YES	HV2	\$ 7,640	V3
	30	86	HVW701D086T2N12-X-C	YES	ED3	\$ 8,745	V3
	40	105	HVW701D105T2N12-X-C	YES	ED3	\$ 11,030	V3
	50	142	HVW701E142T2N12-X-C	NO	ED4	\$ 14,065	V3
	60	180	HVW701E180T2N12-X-C	NO	ED4	\$ 15,780	V3
	75	211	HVW701E211T2N12-X-C	NO	ED4	\$ 22,490	V3
3/460 Vac	Input Power Supply: 3/460Vac						
	3	5	HVW701A005T4N01-X-C	YES	HV1	\$ 5,090	V3
	7.5	10	HVW701A010T4N01-X-C	YES	HV1	\$ 5,160	V3
	10	13.5	HVW701A013T4N01-X-C	YES	HV1	\$ 5,215	V3
	10	17	HVW701B017T4N01-X-C	YES	HV1	\$ 5,435	V3
	15	24	HVW701B024T4N01-X-C	YES	HV1	\$ 5,790	V3
	25	31	HVW701B031T4N01-X-C	YES	HV1	\$ 6,250	V3
	30	38	HVW701C038T4N01-X-C	YES	HV2	\$ 7,015	V3
	30	45	HVW701C045T4N01-X-C	YES	HV2	\$ 7,500	V3
	40	58.5	HVW701C058T4N01-X-C	YES	HV2	\$ 8,145	V3
	60	70.5	HVW701D070T4N12-X-C	YES	ED3	\$ 9,725	V3
	75	88	HVW701D088T4N12-X-C	YES	ED3	\$ 12,235	V3
	75	105	HVW701E105T4N12-X-C	NO	ED4	\$ 15,215	V3
	125	142	HVW701E142T4N12-X-C	NO	ED4	\$ 16,945	V3
	150	180	HVW701E180T4N12-X-C	NO	ED4	\$ 22,170	V3
	175	211	HVW701E211T4N12-X-C	NO	ED4	\$ 25,425	V3

Notes:

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

General Information

CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HVW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

Variable Frequency Drives

WEG

HVW701

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

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

Notes:

1. The VFD panel is wired for 3/208Vac input voltage as a standard. It can be re-configured for 3/230VAC line voltage by simply changing the primary connection of the control power transformer.

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

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

4. Current Range for the ATL bypass starter overload Relay.



HVAC-R Drive Panel: 3-Contactor Bypass with Relay O/P Module, SCCR - 65KA. HVW701

Motor Volt.	Motor HP ²	VFD Panel O/P Current ³	Byp. O/L Range in Amp ⁴	New Catalog Number	Brake Trans.	Encl. Frame Size	List Price	Multiplier
3/208 Vac ¹	Input Power Supply: 3/208Vac ¹ (For 3/230VAC, the control power transformer tap must be changed)							
	2	7	5.6-8	HVW701A007T2N01-J-A	YES	HV1	\$ 4,130	V3
	3	10	8-12.5	HVW701A010T2N01-J-A	YES	HV1	\$ 4,285	V3
	3	13	10-15	HVW701A013T2N01-J-A	YES	HV1	\$ 4,340	V3
	5	16	15-23	HVW701A016T2N01-J-A	YES	HV1	\$ 4,475	V3
	7.5	24	22-32	HVW701B024T2N01-J-A	YES	HV1	\$ 4,980	V3
	10	28	22-32	HVW701B028T2N01-J-A	YES	HV1	\$ 5,010	V3
	10	33.5	25-40	HVW701B033T2N01-J-A	YES	HV1	\$ 5,240	V3
	15	45	40-57	HVW701C045T2N01-J-A	YES	HV2	\$ 6,145	V3
	20	54	50-63	HVW701C054T2N01-J-A	YES	HV2	\$ 7,175	V3
	20	60	57-70	HVW701C070T2N01-J-A	YES	HV2	\$ 8,220	V3
	30	86	50-250	HVW701D086T2N12-J-A	YES	ED3	\$ 9,615	V3
	40	105	50-250	HVW701D105T2N12-J-A	YES	ED3	\$ 12,050	V3
	50	142	50-250	HVW701E142T2N12-J-A	NO	ED5	\$ 15,070	V3
	60	180	50-250	HVW701E180T2N12-J-A	NO	ED5	\$ 18,500	V3
	75	211	50-250	HVW701E211T2N12-J-A	NO	ED5	\$ 25,165	V3
3/460 Vac	Input Power Supply: 3/460Vac							
	3	5	4-6.3	HVW701A005T4N01-J-A	YES	HV1	\$ 4,450	V3
	7.5	10	8- 12.5	HVW701A010T4N01-J-A	YES	HV1	\$ 4,535	V3
	10	13.5	11-17	HVW701A013T4N01-J-A	YES	HV1	\$ 4,600	V3
	10	17	15-23	HVW701B017T4N01-J-A	YES	HV1	\$ 4,840	V3
	15	24	22-32	HVW701B024T4N01-J-A	YES	HV1	\$ 5,320	V3
	25	31	25-40	HVW701B031T4N01-J-A	YES	HV1	\$ 5,815	V3
	30	38	32-50	HVW701C038T4N01-J-A	YES	HV2	\$ 6,555	V3
	30	45	40-57	HVW701C045T4N01-J-A	YES	HV2	\$ 7,275	V3
	40	58.5	57-70	HVW701C058T4N01-J-A	YES	HV2	\$ 7,980	V3
	60	70.5	50-250	HVW701D070T4N12-J-A	YES	ED3	\$ 9,825	V3
	75	88	50-250	HVW701D088T4N12-J-A	YES	ED3	\$ 12,330	V3
	75	105	50-250	HVW701E105T4N12-J-A	NO	ED5	\$ 15,960	V3
	125	142	50-250	HVW701E142T4N12-J-A	NO	ED5	\$ 17,910	V3
	150	180	50-250	HVW701E180T4N12-J-A	NO	ED5	\$ 24,760	V3
	175	211	50-250	HVW701E211T4N12-J-A	NO	ED5	\$ 28,130	V3

Notes:

1. The VFD panel is wired for 3/208Vac input voltage as a standard. It can be re-configured for 3/230VAC line voltage by simply changing the primary connection of the control power transformer.

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

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

4. Current Range for the ATL bypass starter overload Relay.

CFW100

CFW300

CFW500

CFW700

CFW701

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

SSW05

SSW07

SSW06

SSW05

SSW07

General Information
CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HVW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

Variable Frequency Drives



HVW701

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

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

Notes:

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

HVAC-R Drive Panel: 3-Contactor Bypass with Relay O/P Module and with LonWorks Gateway, SCCR - 65KA.

Motor Volt.	Motor HP ²	VFD Panel O/P Current ³	Byp. O/L Range in Amp ⁴	New Catalog Number	Brake Trans.	Encl. Frame Size	List Price	Multiplier
3/208 Vac ¹	Input Power Supply: 3/208Vac ¹ (For 3/230VAC, the control power transformer tap must be changed)							
	2	7	5.6-8	HVW701A007T2N01-J-C	YES	HV1	\$ 5,225	V3
	3	10	8-12.5	HVW701A010T2N01-J-C	YES	HV1	\$ 5,380	V3
	3	13	10-15	HVW701A013T2N01-J-C	YES	HV1	\$ 5,435	V3
	5	16	15-23	HVW701A016T2N01-J-C	YES	HV1	\$ 5,570	V3
	7.5	24	22-32	HVW701B024T2N01-J-C	YES	HV1	\$ 6,075	V3
	10	28	22-32	HVW701B028T2N01-J-C	YES	HV1	\$ 6,105	V3
	10	33.5	25-40	HVW701B033T2N01-J-C	YES	HV1	\$ 6,335	V3
	15	45	40-57	HVW701C045T2N01-J-C	YES	HV2	\$ 7,240	V3
	20	54	50-63	HVW701C054T2N01-J-C	YES	HV2	\$ 8,270	V3
	20	60	57-70	HVW701C070T2N01-J-C	YES	HV2	\$ 9,315	V3
	30	86	50-250	HVW701D086T2N12-J-C	YES	ED3	\$ 10,710	V3
	40	105	50-250	HVW701D105T2N12-J-C	YES	ED3	\$ 13,145	V3
	50	142	50-250	HVW701E142T2N12-J-C	NO	ED5	\$ 16,165	V3
	60	180	50-250	HVW701E180T2N12-J-C	NO	ED5	\$ 19,595	V3
	75	211	50-250	HVW701E211T2N12-J-C	NO	ED5	\$ 26,260	V3
3/460 Vac	Input Power Supply: 3/460Vac							
	3	5	4-6.30	HVW701A005T4N01-J-C	YES	HV1	\$ 5,545	V3
	7.5	10	8-12.5	HVW701A010T4N01-J-C	YES	HV1	\$ 5,630	V3
	10	13.5	11-17	HVW701A013T4N01-J-C	YES	HV1	\$ 5,695	V3
	10	17	15-23	HVW701B017T4N01-J-C	YES	HV1	\$ 5,935	V3
	15	24	22-32	HVW701B024T4N01-J-C	YES	HV1	\$ 6,415	V3
	25	31	25-40	HVW701B031T4N01-J-C	YES	HV1	\$ 6,910	V3
	30	38	32-50	HVW701C038T4N01-J-C	YES	HV2	\$ 7,650	V3
	30	45	40-57	HVW701C045T4N01-J-C	YES	HV2	\$ 8,370	V3
	40	58.5	57-70	HVW701C058T4N01-J-C	YES	HV2	\$ 9,075	V3
	60	70.5	50-250	HVW701D070T4N12-J-C	YES	ED3	\$ 10,920	V3
	75	88	50-250	HVW701D088T4N12-J-C	YES	ED3	\$ 13,425	V3
	75	105	50-250	HVW701E105T4N12-J-C	NO	ED5	\$ 17,055	V3
	125	142	50-250	HVW701E142T4N12-J-C	NO	ED5	\$ 19,005	V3
	150	180	50-250	HVW701E180T4N12-J-C	NO	ED5	\$ 25,855	V3
	175	211	50-250	HVW701E211T4N12-J-C	NO	ED5	\$ 29,225	V3

Notes:

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

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW11M
PUMP
GENIUS
CFW700
SINGLE
PHASE
CFW08
WASH
CFW501
CFW701
HVW701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2

Variable Frequency Drives

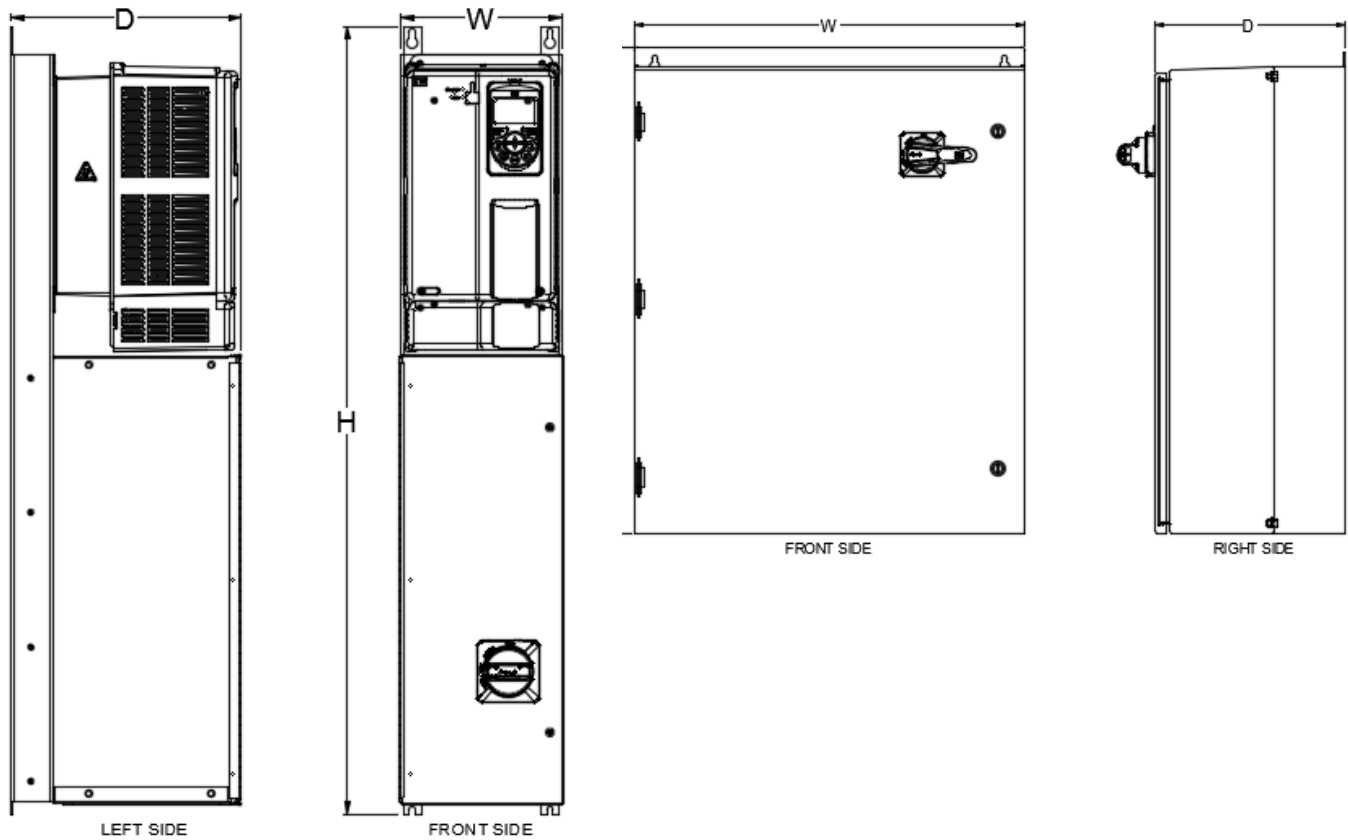


HVW701

HVW701 ENCLOSURE FRAME SIZE

ENCLOSURE FRAME: HV1 & HV2

ENCLOSURE FRAME: ED3 & ED4



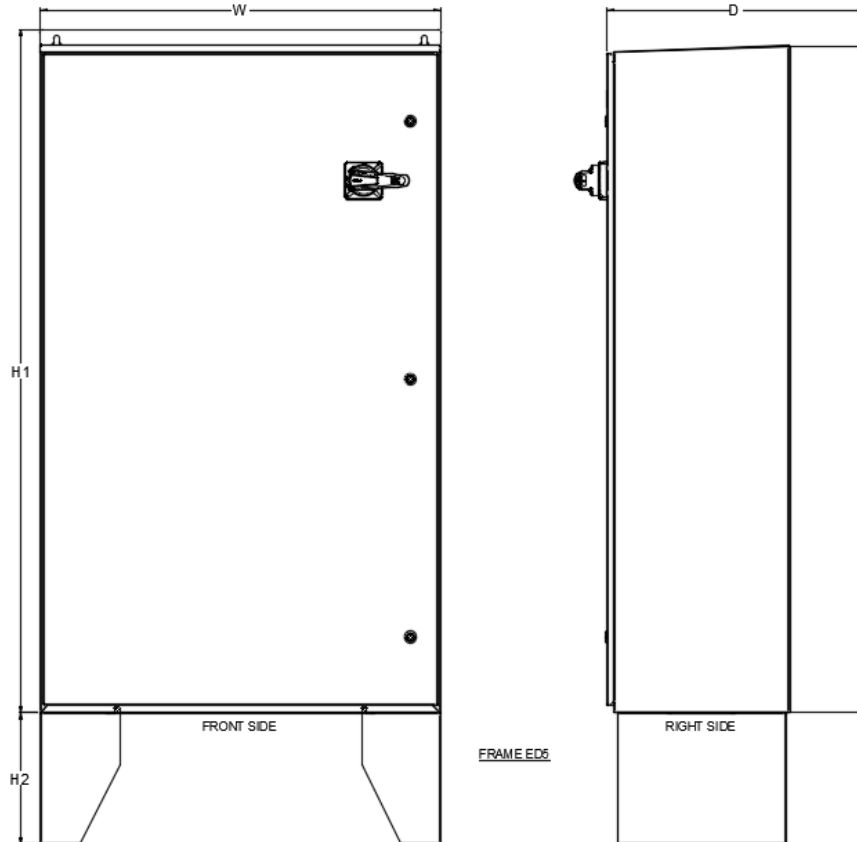
FRAME	OVERALL DIMENSIONS IN INCHES	ENCLOSURE ENVIRONMENTAL RATING	MAX. AMBIENT TEMP.	ENCLOSURE MOUNTING TYPE	APPROX. WEIGHT IN LBS.	
					W/O BYP.	WITH 3-CONT. BYP
HV1	36.3"H x 7.8"W x 11.1"D	NEMA1	50°C	VENTILATED, WALL MOUNT (VERTICAL STYLE)	82	100
HV2	44"H x 9"W x 13.5"D	NEMA1	50°C	VENTILATED, WALL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

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

HVW701 ENCLOSURE FRAME SIZE

ENCLOSURE FRAME: ED5

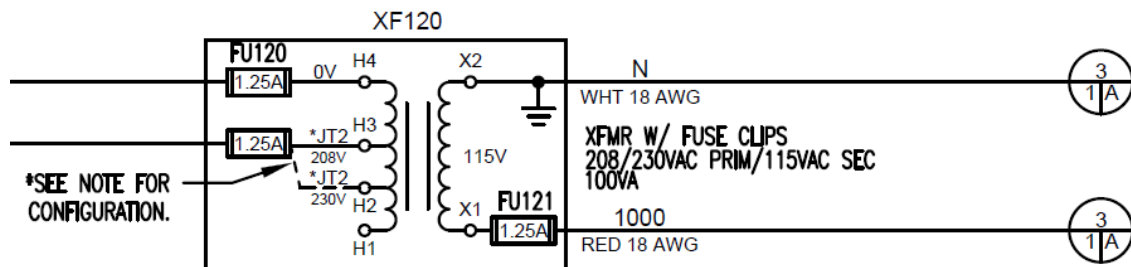
HVW701



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

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

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



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

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW11M
PUMP
GENIUS
CFW700
SINGLE
PHASE
CFW08
WASH
CFW501
CFW701
HVV701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2



SSW05 - Reduced Voltage Soft Starter

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

Standard Features

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

Applications

- Pumps
- Fans
- Blowers
- Compressors



SSW05 Catalog Number Sequence

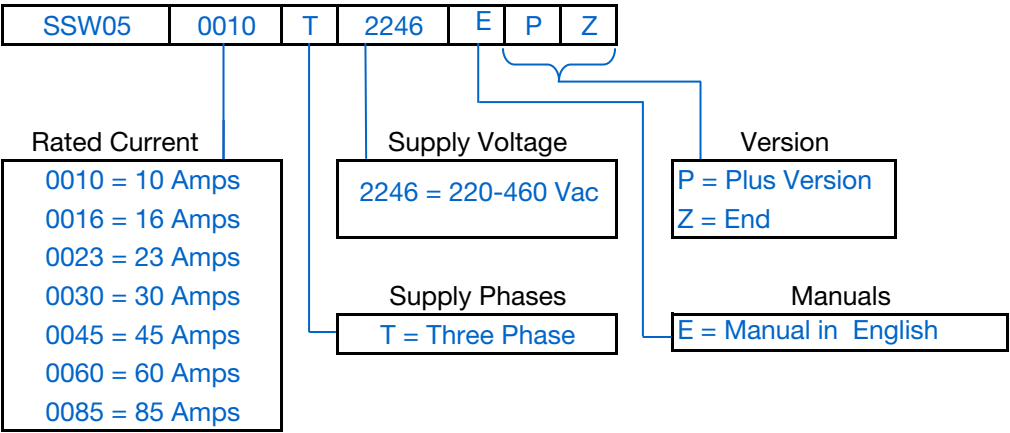


Table intended as reference only and not to create part numbers.

SSW05

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Current Catalog Number ³	Future Catalog Number ³	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier Symbol
230 Vac	Input Power Supply: Three-Phase 230 Vac								
	3	10	SSW050010T2246EPZ	SSW050010T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$531	E1
	5	16	SSW050016T2246EPZ	SSW050016T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$603	E1
	7.5	23	SSW050023T2246EPZ	SSW050023T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$694	E1
	10	30	SSW050030T2246EPZ	SSW050030T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$754	E1
	15	45	SSW050045T2246EPZ	SSW050045T2246TPZ	2	7.3 x 3.1 x 6.8	6	\$943	E1
	25	60	SSW050060T2246EPZ	SSW050060T2246TPZ	2	7.3 x 3.1 x 6.8	6	\$1,135	E1
	30	85	SSW050085T2246EPZ	SSW050085T2246TPZ	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	SSW050010T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$531	E1
	10	16	SSW050016T2246EPZ	SSW050016T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$603	E1
	15	23	SSW050023T2246EPZ	SSW050023T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$694	E1
	20	30	SSW050030T2246EPZ	SSW050030T2246TPZ	1	5.1 x 2.3 x 5.7	3	\$754	E1
	30	45	SSW050045T2246EPZ	SSW050045T2246TPZ	2	7.3 x 3.1 x 6.8	6	\$943	E1
	40	60	SSW050060T2246EPZ	SSW050060T2246TPZ	2	7.3 x 3.1 x 6.8	6	\$1,135	E1
	60 / 75	85	SSW050085T2246EPZ	SSW050085T2246TPZ	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.
- 3) The "Current Catalog Number" will be replaced by "Future Catalog Number" in Second half of 2021. The Product will remain the same.

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs)	List Price	Multiplier
Remote Keypad	SSW05-HMI-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
	SSW05-07-08-CRS-3M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	V1
	SSW05-07-08-CRS-5M	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

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 ... 131°F (0 - 55°C)
	Humidity	0...90% Non Condensing
	Altitude	0 ... 1000m (3,300 ft) - Standard Operation at Rated Current Up to 4000m (13,200 ft) - With Current Derating (1%/100m (328 ft) above 1000m (13,200 ft))
Conformities	Low Voltage	UL 508 - Industrial Control Equipment
		IEC 60947-4-2
	EMC	EMC Directive 89 / 336 / EEC - Industrial Environment, Class A

* Can be disabled

SSW07- Reduced Voltage Soft Starter

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

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



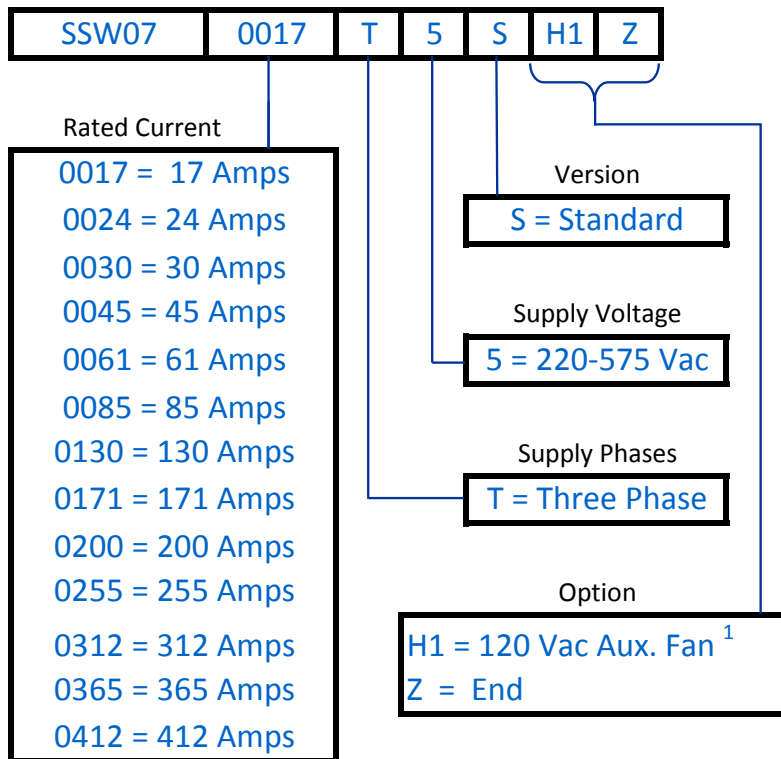
Standard Features

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

Applications

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

SSW07 Catalog Number Sequence



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

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

SSW07

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Current Catalog Number ³	Future Catalog Number ³	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 2.3 x 5.7	2.9	\$1,158	E1
	7.5	24	SSW070024T5SZ	-	1	6.4 x 2.3 x 5.7	2.9	\$1,241	E1
	10	30	SSW070030T5SZ	-	1	6.4 x 2.3 x 5.7	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	SSW070255T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$4,598	E1
	125	312	SSW070312T5SZ	SSW070312T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$4,992	E1
	150	365	SSW070365T5SZ	SSW070365T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$5,187	E1
	150	412	SSW070412T5SZ	SSW070412T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$6,088	E1
460 Vac	Input Power Supply: Three-Phase 460 Vac								
	10	17	SSW070017T5SZ	-	1	6.4 x 2.3 x 5.7	2.9	\$1,158	E1
	15	24	SSW070024T5SZ	-	1	6.4 x 2.3 x 5.7	2.9	\$1,241	E1
	20	30	SSW070030T5SZ	-	1	6.4 x 2.3 x 5.7	2.9	\$1,281	E1
	30	45	SSW070045T5SZ	-	2	8.2 x 5.6 x 8.0	7.3	\$1,461	E1
	40/50	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	SSW070255T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$4,598	E1
	250	312	SSW070312T5SZ	SSW070312T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$4,992	E1
	300	365	SSW070365T5SZ	SSW070365T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$5,187	E1
	350	412	SSW070412T5SZ	SSW070412T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$6,088	E1
575 Vac	Input Power Supply: Three-Phase 575 Vac								
	15	17	SSW070017T5SZ	-	1	6.4 x 2.3 x 5.7	2.9	\$1,158	E1
	20	24	SSW070024T5SZ	-	1	6.4 x 2.3 x 5.7	2.9	\$1,241	E1
	30	30	SSW070030T5SZ	-	1	6.4 x 2.3 x 5.7	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	SSW070255T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$4,598	E1
	300	312	SSW070312T5SZ	SSW070312T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$4,992	E1
	350	365	SSW070365T5SZ	SSW070365T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$5,187	E1
	400	412	SSW070412T5SZ	SSW070412T5SH1Z	4	13.0 x 9.0 x 9.6	28.2	\$6,088	E1

Notes:

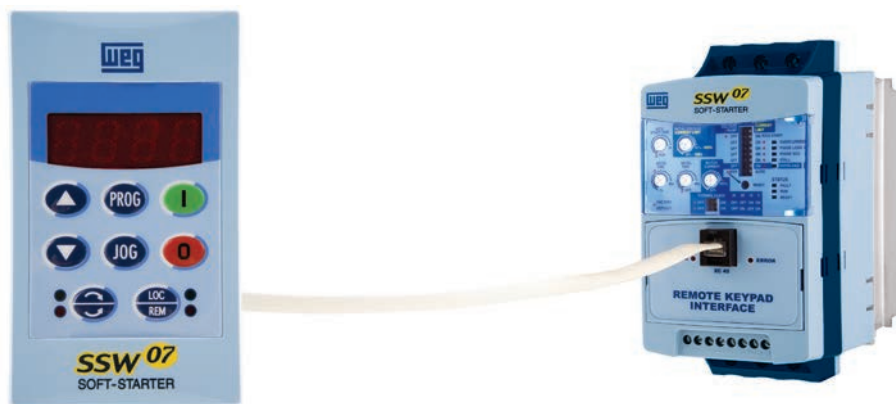
- 1) "HP" rating based on FLA values from WEG W22, 2 and 4 pole, NEMA Premium motors.
- 2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.
- 3) The "Current Catalog Number" will be replaced by "Future Catalog Number" in Second half of 2021. The Product will remain the same.

Options and Accessories

Type	Catalog Number	Description	Approx. Weight (lbs.)	List Price	Multiplier
Keypad	SSW07-08-HMI-LOC	Local Keypad - Mounts on SSW07 Soft Starter	1.1	\$174	E1
	SSW07-HMI-REM	Remote Keypad Kit - Includes HMI and Interface Module	3.1	\$340	E1
	SSW07-HMI-REM-485	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
	SSW05-07-08-CRS-3M	9.9 ft (3 meter) Remote Keypad Cable	1.0	\$41	V1
	SSW05-07-08-CRS-5M	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	SSW07-08-KRS-232	RS-232 Communication Kit	1.6	\$121	E1
	SSW07-08-KRS-485	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	DeviceNet Communication Kit plus Remote HMI Connection	2.3	\$353	E1
Kits	SSW0708900-KVT-2B ¹	Ventilation Kit M2 (Frame Size 2, 45 to 85A)	1.4	\$65	E1
	SSW0708900-KVT-3C ¹	Ventilation Kit M3 (Frame Size 3, 130 to 200A)	1.4	\$94	E1
	SSW07-08-KPTC-MTR	PTC Kit for motor	0.8	\$123	E1
	SSW0708900-IP20-3C	IP20 Kit for M3 (Frame Size 3, 130 to 200A)	1.1	\$62	E1
	SSW0708900-IP20-4D	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



HMI-REMOTE-SSW07; REMOTE KEYPAD

Soft Starters

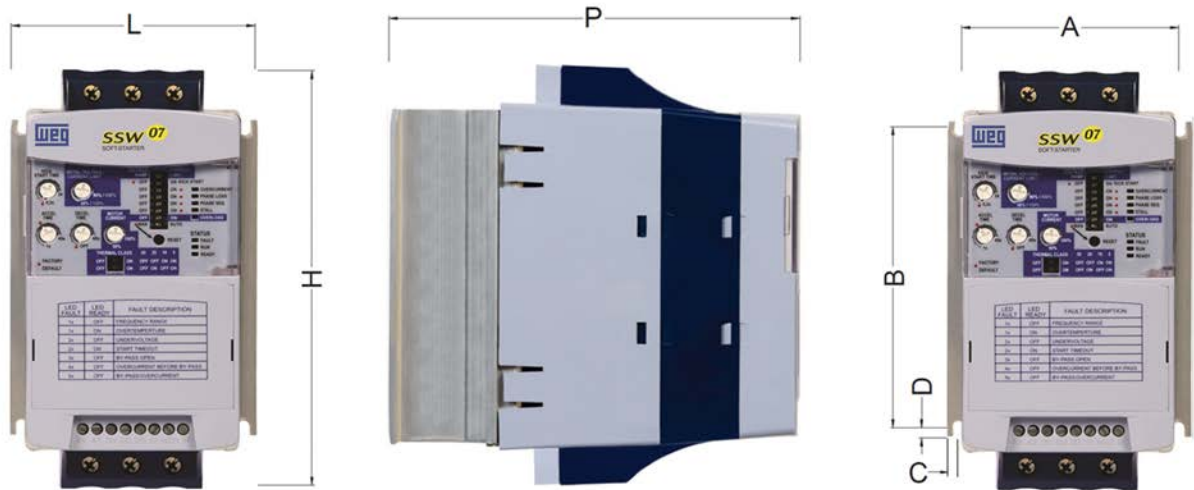


SSW07

Dimensions

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

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



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%			
Ambient	Temperature	32...132 F (0...55C)	
	Humidity	Humidity 5% ... 90% non condensing	
	Altitude	0...3300 ft (0 ... 1000m): standard operation at rated current.	
Up to 13300 ft (4000m): with 10% / 1000m output current de rating.			
Starting Cycle (1)	Normal	300% (3 x Inom.) during 30 s, 10 starts per hour (every 6 minutes)	
Inputs	Digital	3 isolated programmable inputs (120Vac)	
Outputs	Relay	2 relays with NO contacts, 240Vac, 1A, programmable functions	
Safety	Standard Protection	Overcurrent;	Locked Rotor
		Overcurrent before By-pass	Excess starting time
		Phase loss;	Frequency outside tolerance
		Inverted phase sequence;	By-pass contact open
		Overtemperature in power heatsink;	Undervoltage in control supply
		Motor Overload (class 5 to 30)	
		Undercurrent	Programming error
		Current imbalance	Serial communication error
		Subcurrent before By-pass	MMI communication error
		External defects	Overtemperature in motor PTC
Functions / Resources	Standard	Voltage ramp (Initial voltage: 30% to 90%)	
		Current limitation (150% to 450% of SSW-07 rated current)	
		Starting time (1 to 40s)	
		Kick Start (Off - 0,2 to 2s)	
		Deceleration ramp (0 to 40s)	
		Motor and SSW-07 current relation (50% to 100%)	
		Faults auto-reset	
		Thermal memory auto-reset	
		Factory standard reset	
		Soft-starter built-in By-pass	
Ambient	Temperature	0...131 °F (0 ... 55°C): standard operation at rated current	
	Humidity	20 ... 90%, non condensing	
	Altitude	0...3300 ft (0 ... 1000 m): standard operation at rated current	
Up to 13300 ft (4000 m): with1% output current De-rating for every 100 meter above 1000m.			

Note:

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

Continued on next page

SSW07

Technical Data - continued

General Information	CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HVW701	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
PUMP GENIUS SINGLE PHASE	CFW700 WASH CFW501 CFW701 HVW701	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)
SSW05 SSW07 SSW06	SSW05 SSW07 SSW06	Finishing	Color	Lid: Gray Ultra Mat
				Cabinet: Blue Ultra Mat
SSW05 SSW07 SSW06	SSW05 SSW07 SSW06	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
SSW05 SSW07 SSW06	SSW05 SSW07 SSW06	GOST (Russia)		

SSW06 - Reduced Voltage Soft Starter

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

Standard Features

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

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

Optional Features

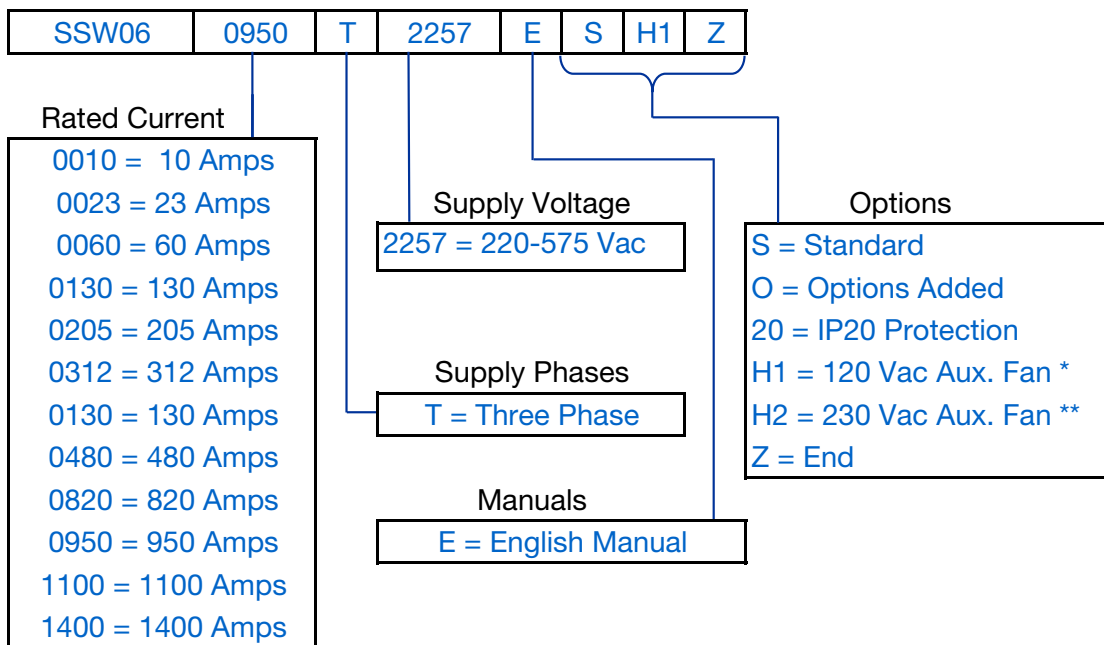
- RS-485 serial interface
- Remote keypad cables and mounting frame
- PC programming software



Applications

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

SSW06 Catalog Number Sequence



* Aux. Cooling Fan requires separate 120 Vac control power

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

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

Protected Chassis Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier
230 Vac	Input Power Supply: Three-Phase 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
460 Vac	Input Power Supply: Three-Phase 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.

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
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
690 Vac ⁵	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
	Input Power Supply: Three-Phase 690 Vac							
	50	45	SSW060045T5769ESZ	2	14.6 x 5.2 x 9.6	19	\$2,752	E1
	75	60	SSW060060T5769ESZ	2	14.6 x 5.2 x 9.6	19	\$3,037	E1
	100	85	SSW060085T5769ESZ	2	14.6 x 5.2 x 9.6	19	\$3,725	E1
	150	130	SSW060130T5769ESZ	3	17.3 x 8.8 x 11.0	41	\$4,529	E1
	200	170	SSW060170T5769ESZ	3	17.3 x 8.8 x 11.0	41	\$5,705	E1
	250	205	SSW060205T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$7,172	E1
	300	255	SSW060255T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$8,242	E1
	400	312	SSW060312T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$8,948	E1
	450	365	SSW060365T5769ESZ	4	21.6 x 14.6 x 12.3	87	\$9,299	E1
	550	412	SSW060412T5769ESZ	5	26.0 x 15.0 x 14.0	122	\$11,181	E1
	600	480	SSW060480T5769ESZ	5	26.0 x 15.0 x 14.0	122	\$13,841	E1
	750	604	SSW060604T5769ESZ	5	26.0 x 15.0 x 14.0	122	\$15,439	E1
	850	670	SSW060670T5769ESZ	6	32.0 x 22.0 x 15.0	265	\$14,932	E1
	1000	820	SSW060820T5769ESZ	6	32.0 x 22.0 x 15.0	265	\$17,646	E1
	1200	950	SSW060950T5769ESH1Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$28,794	E1
	1200	950	SSW060950T5769ESH2Z ^{3,4}	7	36.0 x 23.0 x 14.0	236	\$28,794	E1
	1400	1100	SSW061100T5769ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	479	\$34,673	E1
	1700	1400	SSW061400T5769ESH2Z ^{3,4}	8	49.0 x 27.0 x 18.0	479	\$44,509	E1

Notes:

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

Options and Accessories

Type	Catalog Number	Description	List Price	Multiplier
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 and Modbus TCP Communication Kit	\$2,100	E1
	KFB-DN-SSW06	DeviceNet Communication Kit	\$1,009	E1
	KFB-PN	ProfiNet IO Communication Kit	\$2,555	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
Current Transducer for External Bypass	SSW06-KECA-950	CT Kit for 950A SSW06 for External Bypass contactor	\$536	E1
	SSW06-KECA-1100	CT Kit for 1100A SSW06 for External Bypass contactor	\$550	E1
	SSW06-KECA-1400	CT Kit for 1400A SSW06 for External Bypass contactor	\$563	E1

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Soft Starters

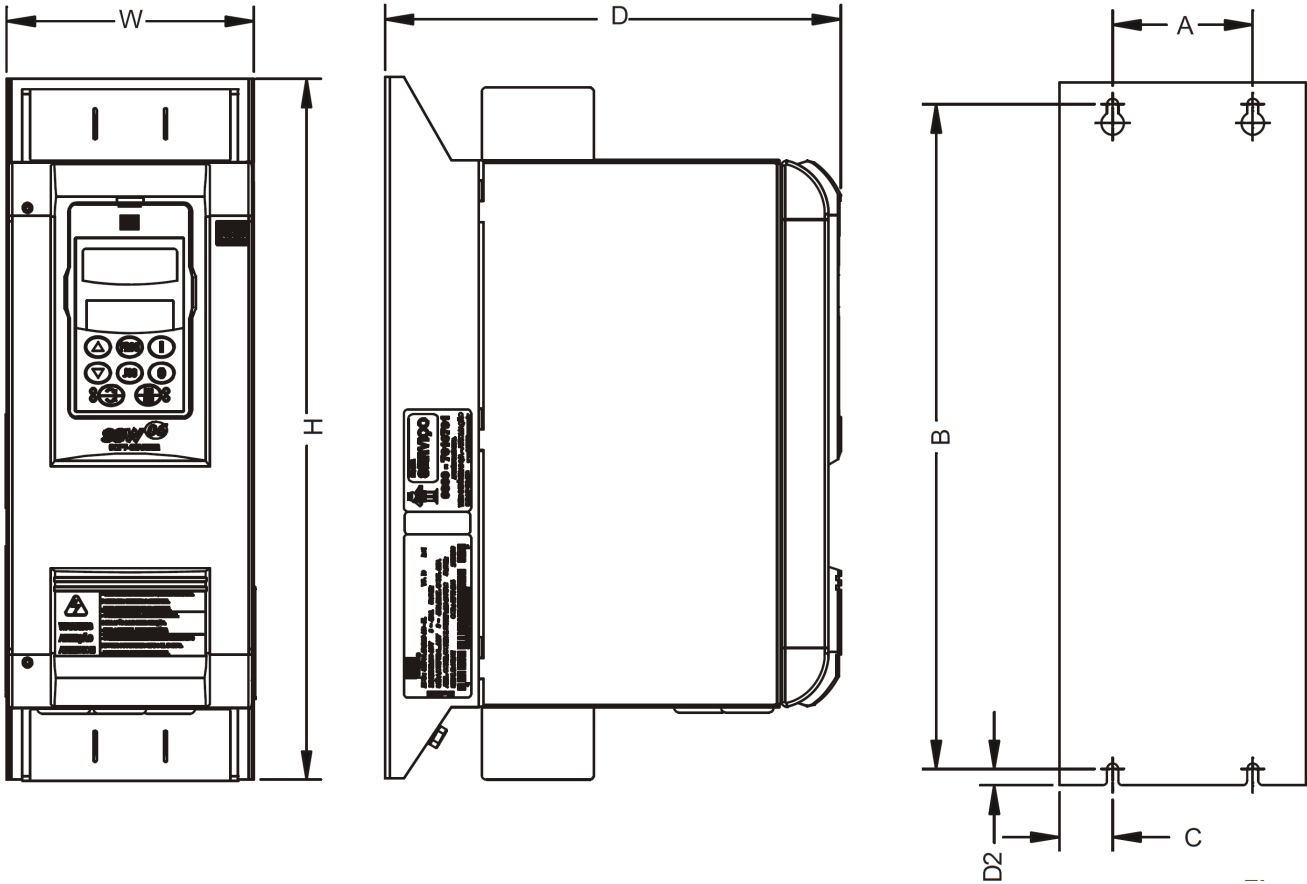


SSW06

Dimensions

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

* Frame 1 is IP20 protection rating.



Technical Data

Power Supply	Main Voltage	Three-phase 220 - 575VAC (+10%, -15%)	
	Control Voltage	Single-phase 110 - 230 VAC (+10%, -15%), Fan: 110 or 230 VAC only for frame size 4	
	Frequency	50 / 60 Hz (+/- 10 %)	
Enclosure	Metallic Cabinet	IP-00 Degree of Protection	
	Color	Cover: Opaque Gray, Cabinet: Opaque Blue	
Control	Method	Voltage ramp, Current Limit and Pump Control	
	Power Supply	Switched mode	
	CPU	32 bit RISC Microprocessor	
Starting Duty Cycle	Normal	300 % (3 x Rated) for 30 seconds, 10 starts per hour	
	Heavy	450 % (4.5 x Rated) for 30 seconds with 33% current derating	
Control Inputs	Digital	5 X 24 VDC programmable isolated inputs	
		1 X Motor PTC thermistor	
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	
Safety	Protections	1 programmable output (11 bits) 0 - 20mA or 4 - 20mA	
		Under voltage, phase fault or phase imbalance	Excess current limit time
		Over temperature	Motor locked rotor
		Motor overload – 12 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

General Information	CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M	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
PUMP GENIUS	CFW700 SINGLE PHASE	Ambient	Temperature	0...131 °F (0 ... 55°C): standard operation at rated current
			Humidity	20 ... 90%, non condensing
			Altitude	0...3300 ft (0 ... 1000 m): standard operation at rated current
WASH	CFW08	Certifications		Up to 13300 ft (4000 m): with 1% output current De-rating for every 100 meter above 1000m
			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
CFW501 CFW701 HVV701	SSW05 SSW07	SSW06	CE (EUROPE)	Phoenix Test-Lab / Germany
			C-Tick (Australia)	Australian Communications Authority

EDP11

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

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

NEMA 12 Features

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

NEMA 3R Features

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



3-Contactor Bypass Option

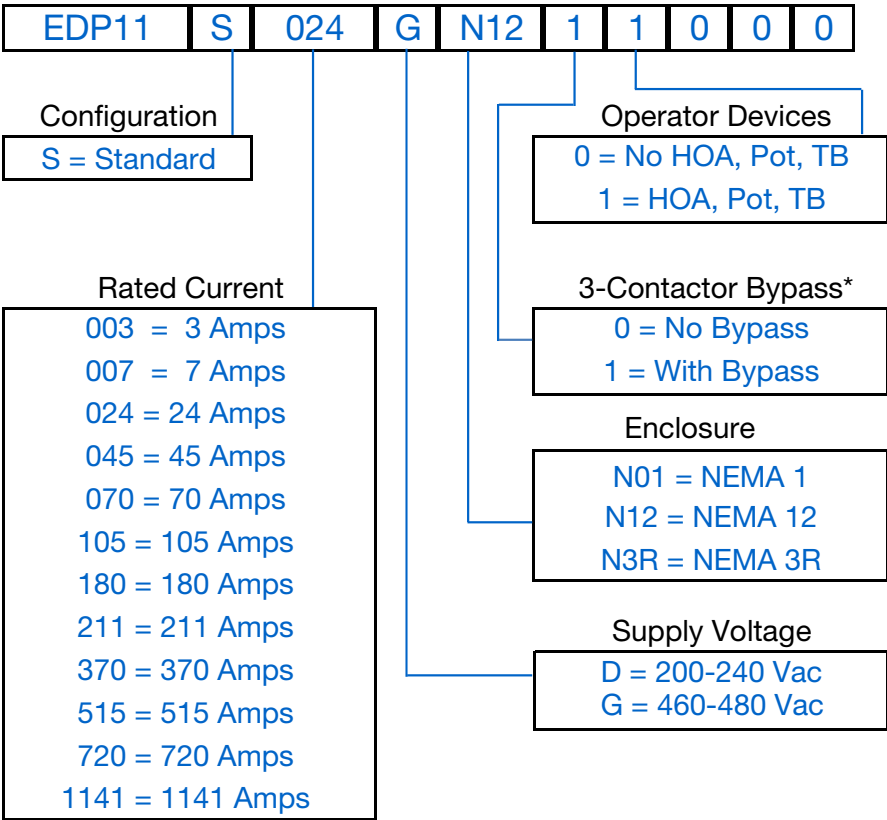
- NEMA 12 or NEMA 3R version
- AC3 full rated by-pass contactor
- Drive input and output contactors
- Motor overload relay
- E-Stop Mushroom style pushbutton
- Enclosure size to be determined

HOA/POT/TB Option

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



EDP11 Catalog Number Sequence



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

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

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

Notes:

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

Variable Frequency Drives



EDP11

Engineered Drive Panel - NEMA 12 Enclosure with By-Pass

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-240 Vac										
	2	7.0	1 1/2	5.5	EDP11S007DN1210000	Yes	A	ED2	36	\$8,200	V1
	3	10	2	8.0	EDP11S010DN1210000	Yes	A	ED2	36	\$8,276	V1
	5	13	3	11	EDP11S013DN1210000	Yes	A	ED2	41	\$8,375	V1
	5	16	5	13	EDP11S016DN1210000	Yes	A	ED2	42	\$8,643	V1
	7 1/2	24	7 1/2	20	EDP11S024DN1210000	Yes	B	ED2	56	\$9,262	V1
	10	28	10	24	EDP11S028DN1210000	Yes	B	ED2	56	\$10,200	V1
	10	33.5	10	28	EDP11S033DN1210000	Yes	B	ED2	56	\$11,011	V1
	15	45	15	36	EDP11S045DN1210000	Yes	C	ED3	88	\$12,316	V1
	20	54	20	45	EDP11S054DN1210000	Yes	C	ED3	90	\$13,738	V1
	25	70	20	56	EDP11S070DN1210000	Yes	C	ED3	100	\$14,857	V1
	30	86	25	70	EDP11S086DN1210000	Yes	D	ED4	230	\$17,016	V1
	40	105	30	86	EDP11S105DN1210000	Yes	D	ED4	240	\$20,052	V1
	50	142	40	115	EDP11S142DN1210000	No	E ⁵	ED5	300	\$24,778	V1
	60	180	50	142	EDP11S180DN1210000	No	E ⁵	ED5	300	\$31,111	V1
	75	211	60	180	EDP11S211DN1210000	No	E ⁵	ED5	300	\$35,651	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac										
	2	3.6	2	3.6	EDP11S003GN1210000	Yes	A	ED2	36	\$8,020	V1
	3	5.0	3	5.0	EDP11S005GN1210000	Yes	A	ED2	36	\$8,136	V1
	5	7.0	3	5.5	EDP11S007GN1210000	Yes	A	ED2	41	\$8,200	V1
	7 1/2	10	5	10	EDP11S010GN1210000	Yes	A	ED2	42	\$8,276	V1
	10	13.5	7 1/2	11	EDP11S013GN1210000	Yes	A	ED2	42	\$8,375	V1
	10	17	10	13.5	EDP11S017GN1210000	Yes	B	ED2	56	\$8,867	V1
	15	24	10	19	EDP11S024GN1210000	Yes	B	ED2	56	\$9,613	V1
	20	31	15	25	EDP11S031GN1210000	Yes	B	ED2	56	\$10,483	V1
	25	38	20	33	EDP11S038GN1210000	Yes	C	ED3	90	\$11,395	V1
	30	45	25	38	EDP11S045GN1210000	Yes	C	ED3	104	\$12,669	V1
	40	58.5	30	47	EDP11S058GN1210000	Yes	C	ED3	110	\$14,721	V1
	50/60	70.5	40	61	EDP11S070GN1210000	Yes	D	ED4	240	\$15,424	V1
	75	88	50	73	EDP11S088GN1210000	Yes	D	ED4	245	\$17,876	V1
	75	105	75	88	EDP11S105GN1210000	No	E ⁵	ED5	300	\$21,308	V1
	100/125	142	75	115	EDP11S142GN1210000	No	E ⁵	ED5	300	\$25,700	V1
	150	180	100	142	EDP11S180GN1210000	No	E ⁵	ED5	300	\$32,281	V1
	175	211	125	180	EDP11S211GN1210000	No	E ⁵	ED5	300	\$36,970	V1
	200	242	150	211	EDP11S242GN1210000	No	F ⁵	ED7	700	\$53,334	V1
	250	312	200	242	EDP11S312GN1210000	No	F ⁵	ED7	720	\$59,257	V1
	300	370	250	312	EDP11S370GN1210000	No	F ⁵	ED7	750	\$62,146	V1
	400	477	300	370	EDP11S477GN1210000	No	F ⁵	ED7	775	\$76,618	V1
	450	515	400	477	EDP11S515GN1210000	No	G ⁵	ED9	1100	\$88,056	V1
	500	601	450	515	EDP11S601GN1210000	No	G ⁵	ED9	1120	\$99,447	V1
	600	720	500	560	EDP11S720GN1210000	No	G ⁶	ED9	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 (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.

5) Maximum 40°C ambient temperature without derating

6) Maximum 35°C ambient temperature without derating

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

For other technical data please refer to WEG product manual.

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

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

Notes:

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

General Information

CFW100 CFW300 CFW500 CFW700 CFW11 CFW11M PUMP GENIUS

CFW700 SINGLE PHASE CFW08 WASH CFW501 CFW701 HWW701 SSW05 SSW07 SSW06 EDP11 GPH2 TPH2

Variable Frequency Drives



EDP11
Engineered Drive Panel - NEMA 12 Enclosure with By-Pass and
HOA / Pot / TB

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-240 Vac										
	2	7.0	1 1/2	5.5	EDP11S007DN1211000	Yes	A	ED2	36	\$8,963	V1
	3	10	2	8.0	EDP11S010DN1211000	Yes	A	ED2	36	\$9,039	V1
	5	13	3	11	EDP11S013DN1211000	Yes	A	ED2	41	\$9,138	V1
	5	16	5	13	EDP11S016DN1211000	Yes	A	ED2	42	\$9,406	V1
	7 1/2	24	7 1/2	20	EDP11S024DN1211000	Yes	B	ED2	56	\$10,025	V1
	10	28	10	24	EDP11S028DN1211000	Yes	B	ED2	56	\$10,963	V1
	10	33.5	10	28	EDP11S033DN1211000	Yes	B	ED2	56	\$11,774	V1
	15	45	15	36	EDP11S045DN1211000	Yes	C	ED3	88	\$13,079	V1
	20	54	20	45	EDP11S054DN1211000	Yes	C	ED3	90	\$14,501	V1
	25	70	20	56	EDP11S070DN1211000	Yes	C	ED3	100	\$15,620	V1
	30	86	25	70	EDP11S086DN1211000	Yes	D	ED4	230	\$17,779	V1
	40	105	30	86	EDP11S105DN1211000	Yes	D	ED4	240	\$20,815	V1
	50	142	40	115	EDP11S142DN1211000	No	E ⁵	ED5	300	\$25,541	V1
	60	180	50	142	EDP11S180DN1211000	No	E ⁵	ED5	300	\$31,874	V1
	75	211	60	180	EDP11S211DN1211000	No	E ⁵	ED5	300	\$36,414	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac										
	2	3.6	2	3.6	EDP11S003GN1211000	Yes	A	ED2	36	\$8,783	V1
	3	5.0	3	5.0	EDP11S005GN1211000	Yes	A	ED2	36	\$8,899	V1
	5	7.0	3	5.5	EDP11S007GN1211000	Yes	A	ED2	41	\$8,963	V1
	7 1/2	10	5	10	EDP11S010GN1211000	Yes	A	ED2	42	\$9,039	V1
	10	13.5	7 1/2	11	EDP11S013GN1211000	Yes	A	ED2	42	\$9,138	V1
	10	17	10	13.5	EDP11S017GN1211000	Yes	B	ED2	56	\$9,630	V1
	15	24	10	19	EDP11S024GN1211000	Yes	B	ED2	56	\$10,376	V1
	20	31	15	25	EDP11S031GN1211000	Yes	B	ED2	56	\$11,246	V1
	25	38	20	33	EDP11S038GN1211000	Yes	C	ED3	90	\$12,158	V1
	30	45	25	38	EDP11S045GN1211000	Yes	C	ED3	104	\$13,432	V1
	40	58.5	30	47	EDP11S058GN1211000	Yes	C	ED3	110	\$15,484	V1
	50/60	70.5	40	61	EDP11S070GN1211000	Yes	D	ED4	240	\$16,187	V1
	75	88	50	73	EDP11S088GN1211000	Yes	D	ED4	245	\$18,639	V1
	75	105	75	88	EDP11S105GN1211000	No	E ⁵	ED5	300	\$22,071	V1
	100/125	142	75	115	EDP11S142GN1211000	No	E ⁵	ED5	300	\$26,463	V1
	150	180	100	142	EDP11S180GN1211000	No	E ⁵	ED5	300	\$33,044	V1
	175	211	125	180	EDP11S211GN1211000	No	E ⁵	ED5	300	\$37,733	V1
	200	242	150	211	EDP11S242GN1211000	No	F ⁵	ED7	700	\$54,097	V1
	250	312	200	242	EDP11S312GN1211000	No	F ⁵	ED7	720	\$60,115	V1
	300	370	250	312	EDP11S370GN1211000	No	F ⁵	ED7	750	\$63,004	V1
	400	477	300	370	EDP11S477GN1211000	No	F ⁵	ED7	775	\$77,476	V1
	450	515	400	477	EDP11S515GN1211000	No	G ⁵	ED9	1100	\$88,914	V1
	500	601	450	515	EDP11S601GN1211000	No	G ⁵	ED9	1120	\$100,305	V1
	600	720	500	560	EDP11S720GN1211000	No	G ⁶	ED9	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 (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
5) Maximum 40°C ambient temperature without derating
6) Maximum 35°C ambient temperature without derating
7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

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

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

Notes:

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

General Information

CFW100

CFW300

CFW500

CFW700

CFW11

CFW11M

PUMP GENIUS

CFW700 SINGLE PHASE

CFW08 WASH

CFW501

CFW701

HVW701

SSW05

SSW07

SSW06

EDP11

GPH2

TPH2

Variable Frequency Drives



EDP11

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

Motor Voltage	ND / VT ¹		HD / CT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Approx. Weight (lbs.) ⁷	List Price	Multiplier
	Motor HP ²	Drive Amps ³	Motor HP ²	Drive Amps ³							
230 Vac	Input Power Supply: Three-Phase 220-240 Vac										
	2	7.0	1 1/2	5.5	EDP11S007DN3R10000	Yes	A ⁵	ED2	36	\$10,031	V1
	3	10	2	8.0	EDP11S010DN3R10000	Yes	A ⁵	ED2	36	\$10,107	V1
	5	13	3	11	EDP11S013DN3R10000	Yes	A ⁵	ED2	41	\$10,206	V1
	5	16	5	13	EDP11S016DN3R10000	Yes	A ⁵	ED2	42	\$10,438	V1
	7 1/2	24	7 1/2	20	EDP11S024DN3R10000	Yes	B ⁵	ED2	56	\$11,057	V1
	10	28	10	24	EDP11S028DN3R10000	Yes	B ⁵	ED2	56	\$11,994	V1
	10	33.5	10	28	EDP11S033DN3R10000	Yes	B ⁵	ED2	56	\$12,805	V1
	15	45	15	36	EDP11S045DN3R10000	Yes	C ⁵	ED3	88	\$14,224	V1
	20	54	20	45	EDP11S054DN3R10000	Yes	C ⁵	ED3	90	\$15,647	V1
	25	70	20	56	EDP11S070DN3R10000	Yes	C ⁵	ED3	100	\$16,857	V1
	30	86	25	70	EDP11S086DN3R10000	Yes	D ⁵	ED4	230	\$19,015	V1
	40	105	30	86	EDP11S105DN3R10000	Yes	D ⁵	ED4	240	\$22,226	V1
	50	142	40	115	EDP11S142DN3R10000	No	E ⁶	ED5	300	\$26,952	V1
	60	180	50	142	EDP11S180DN3R10000	No	E ⁶	ED5	300	\$33,285	V1
	75	211	60	180	EDP11S211DN3R10000	No	E ⁶	ED5	300	\$37,824	V1
460 Vac	Input Power Supply: Three-Phase 460-480 Vac										
	2	3.6	2	3.6	EDP11S003GN3R10000	Yes	A ⁵	ED2	36	\$9,851	V1
	3	5.0	3	5.0	EDP11S005GN3R10000	Yes	A ⁵	ED2	36	\$9,967	V1
	5	7.0	3	5.5	EDP11S007GN3R10000	Yes	A ⁵	ED2	41	\$10,031	V1
	7 1/2	10	5	10	EDP11S010GN3R10000	Yes	A ⁵	ED2	42	\$10,107	V1
	10	13.5	7 1/2	11	EDP11S013GN3R10000	Yes	A ⁵	ED2	42	\$10,206	V1
	10	17	10	13.5	EDP11S017GN3R10000	Yes	B ⁵	ED2	56	\$10,698	V1
	15	24	10	19	EDP11S024GN3R10000	Yes	B ⁵	ED2	56	\$11,444	V1
	20	31	15	25	EDP11S031GN3R10000	Yes	B ⁵	ED2	56	\$12,314	V1
	25	38	20	33	EDP11S038GN3R10000	Yes	C ⁵	ED3	90	\$13,227	V1
	30	45	25	38	EDP11S045GN3R10000	Yes	C ⁵	ED3	104	\$14,616	V1
	40	58.5	30	47	EDP11S058GN3R10000	Yes	C ⁵	ED3	110	\$16,368	V1
	50/60	70.5	40	61	EDP11S070GN3R10000	Yes	D ⁵	ED4	240	\$17,146	V1
	75	88	50	73	EDP11S088GN3R10000	Yes	D ⁵	ED4	245	\$19,541	V1
	75	105	75	88	EDP11S105GN3R10000	No	E ⁶	ED5	300	\$23,077	V1
	100/125	142	75	115	EDP11S142GN3R10000	No	E ⁶	ED5	300	\$27,400	V1
	150	180	100	142	EDP11S180GN3R10000	No	E ⁶	ED5	300	\$33,842	V1
	175	211	125	180	EDP11S211GN3R10000	No	E ⁶	ED5	300	\$38,447	V1
	200	242	150	211	EDP11S242GN3R10000	No	F ⁶	ED7	700	\$58,272	V1
	250	312	200	242	EDP11S312GN3R10000	No	F ⁶	ED7	720	\$64,196	V1
	300	370	250	312	EDP11S370GN3R10000	No	F ⁶	ED7	750	\$67,085	V1
	400	477	300	370	EDP11S477GN3R10000	No	F ⁶	ED7	775	\$81,556	V1
	450	515	400	477	EDP11S515GN3R10000	No	G ⁶	ED9	1100	\$94,009	V1
	500	601	450	515	EDP11S601GN3R10000	No	G ⁶	ED9	1120	\$105,400	V1
	600	720	500	560	EDP11S720GN3R10000	No	G ⁷	ED9	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 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.

5) Maximum 45°C ambient temperature without derating

6) Maximum 40°C ambient temperature without derating

7) Maximum 35°C ambient temperature without derating

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

For other technical data please refer to WEG product manual.

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

Motor Voltage	ND / VT¹		HD / CT¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	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											
	2	7.0	1 1/2	5.5	EDP11S007DN3R01000	Yes	A ⁵	ED1	36	\$9,284	V1	
	3	10	2	8.0	EDP11S010DN3R01000	Yes	A ⁵	ED1	36	\$9,350	V1	
	5	13	3	11	EDP11S013DN3R01000	Yes	A ⁵	ED1	41	\$9,449	V1	
	5	16	5	13	EDP11S016DN3R01000	Yes	A ⁵	ED1	42	\$9,681	V1	
	7 1/2	24	7 1/2	20	EDP11S024DN3R01000	Yes	B ⁵	ED1	56	\$10,222	V1	
	10	28	10	24	EDP11S028DN3R01000	Yes	B ⁵	ED1	56	\$10,965	V1	
	10	33.5	10	28	EDP11S033DN3R01000	Yes	B ⁵	ED1	56	\$11,665	V1	
	15	45	15	36	EDP11S045DN3R01000	Yes	C ⁵	ED2	88	\$12,885	V1	
	20	54	20	45	EDP11S054DN3R01000	Yes	C ⁵	ED2	90	\$14,163	V1	
	25	70	20	56	EDP11S070DN3R01000	Yes	C ⁵	ED2	100	\$14,925	V1	
	30	86	25	70	EDP11S086DN3R01000	Yes	D ⁵	ED3	230	\$17,083	V1	
	40	105	30	86	EDP11S105DN3R01000	Yes	D ⁵	ED3	240	\$20,101	V1	
	50	142	40	115	EDP11S142DN3R01000	No	E ⁶	ED4	300	\$22,730	V1	
	60	180	50	142	EDP11S180DN3R01000	No	E ⁶	ED4	300	\$28,053	V1	
75	211	60	180	EDP11S211DN3R01000	No	E ⁶	ED4	300	\$31,262	V1		
460 Vac	Input Power Supply: Three-Phase 460-480 Vac											
	2	3.6	2	3.6	EDP11S003GN3R01000	Yes	A ⁵	ED1	36	\$9,104	V1	
	3	5.0	3	5.0	EDP11S005GN3R01000	Yes	A ⁵	ED1	36	\$9,220	V1	
	5	7.0	3	5.5	EDP11S007GN3R01000	Yes	A ⁵	ED1	41	\$9,284	V1	
	7 1/2	10	5	10	EDP11S010GN3R01000	Yes	A ⁵	ED1	42	\$9,350	V1	
	10	13.5	7 1/2	11	EDP11S013GN3R01000	Yes	A ⁵	ED1	42	\$9,449	V1	
	10	17	10	13.5	EDP11S017GN3R01000	Yes	B ⁵	ED1	56	\$9,863	V1	
	15	24	10	19	EDP11S024GN3R01000	Yes	B ⁵	ED1	56	\$10,415	V1	
	20	31	15	25	EDP11S031GN3R01000	Yes	B ⁵	ED1	56	\$11,174	V1	
	25	38	20	33	EDP11S038GN3R01000	Yes	C ⁵	ED2	90	\$11,888	V1	
	30	45	25	38	EDP11S045GN3R01000	Yes	C ⁵	ED2	104	\$13,132	V1	
	40	58.5	30	47	EDP11S058GN3R01000	Yes	C ⁵	ED2	110	\$14,436	V1	
	50/60	70.5	40	61	EDP11S070GN3R01000	Yes	D ⁵	ED3	240	\$15,214	V1	
	75	88	50	73	EDP11S088GN3R01000	Yes	D ⁵	ED3	245	\$17,416	V1	
	75	105	75	88	EDP11S105GN3R01000	No	E ⁶	ED4	300	\$20,496	V1	
	100/125	142	75	115	EDP11S142GN3R01000	No	E ⁶	ED4	300	\$23,178	V1	
	150	180	100	142	EDP11S180GN3R01000	No	E ⁶	ED4	300	\$28,610	V1	
	175	211	125	180	EDP11S211GN3R01000	No	E ⁶	ED4	300	\$31,885	V1	
	200	242	150	211	EDP11S242GN3R01000	No	F ⁶	ED6	700	\$46,456	V1	
	250	312	200	242	EDP11S312GN3R01000	No	F ⁶	ED6	720	\$50,911	V1	
	300	370	250	312	EDP11S370GN3R01000	No	F ⁶	ED6	750	\$53,540	V1	
	400	477	300	370	EDP11S477GN3R01000	No	F ⁶	ED6	775	\$60,381	V1	
	450	515	400	477	EDP11S515GN3R01000	No	G ⁶	ED8	1100	\$72,834	V1	
	500	601	450	515	EDP11S601GN3R01000	No	G ⁶	ED8	1120	\$78,686	V1	
	600	720	500	560	EDP11S720GN3R01000	No	G ⁷	ED8	1150	\$95,367	V1	
	700	795	550	637	EDP11S795GN3R01000	No	H ⁷	ED10	1700	\$117,338	V1	
	750	877	600	715	EDP11S877GN3R01000	No	H ⁷	ED10	1700	\$124,488	V1	
	950	1062	750	855	EDP11S1062GN3R01000	No	H ⁷	ED10	1850	\$143,748	V1	
	1000	1041	800	943	EDP11S1141GN3R01000	No	H ⁷	ED10	1850	\$155,203	V1	

Notes:

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

EDP11

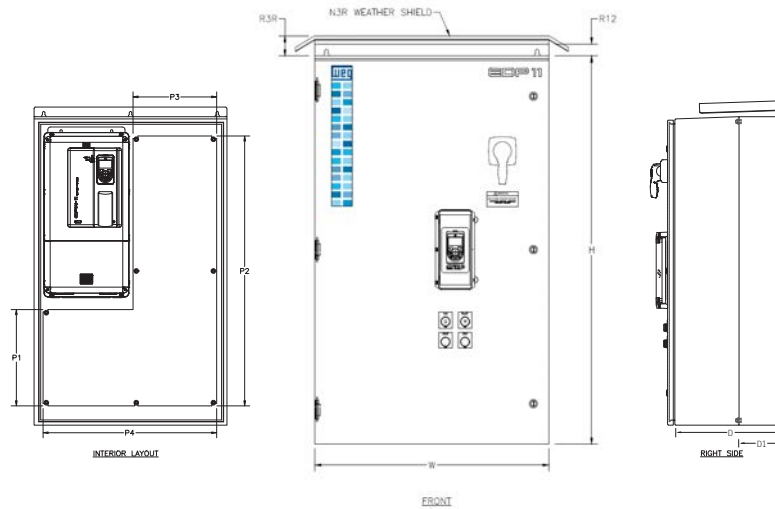
Engineered Drive Panel - NEMA 3R Enclosure with By-Pass and HOA / Pot / TB

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

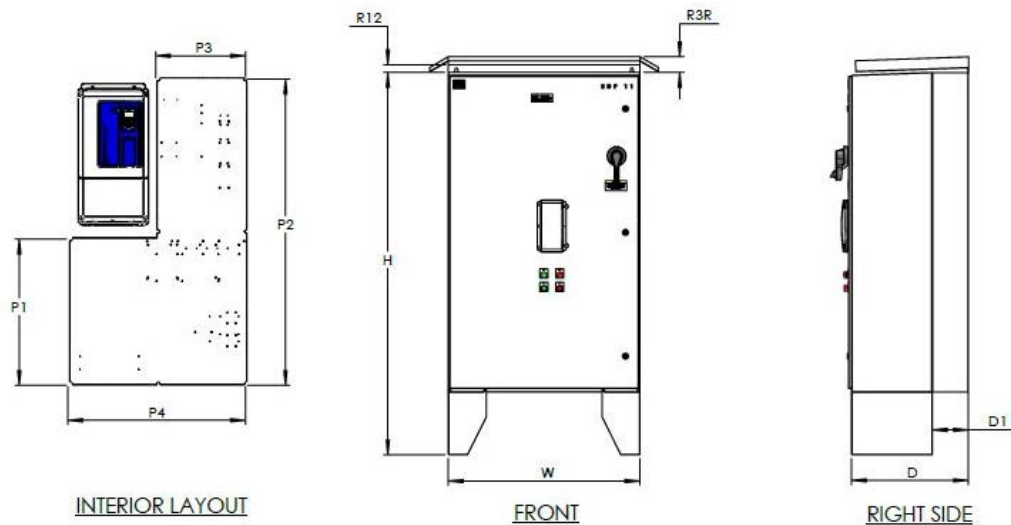
Notes:
1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
4) ED1 - ED5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

Enclosure Frame Size

ED 1, 2, 3, 4



ED 5



Dimensions ⁵

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

NOTE:

1) For NEMA 3R cabinet

2) For NEMA 12 Cabinet

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

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

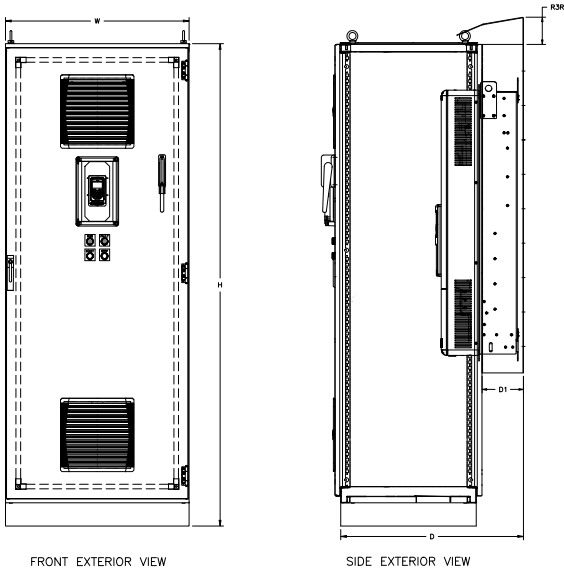
5) Dimensions are provided for estimating purposes only.

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

EDP11

Enclosure Frame Size

ED 6

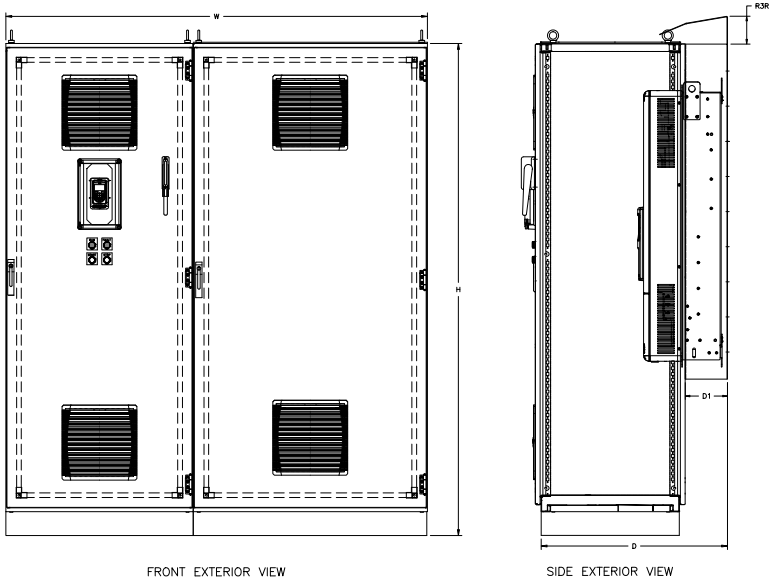


Dimensions

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

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

ED 7, 8, 9, 10



GPH2

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

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

Standard Features

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

Note:
SSW07 models do not include keypad



Applications

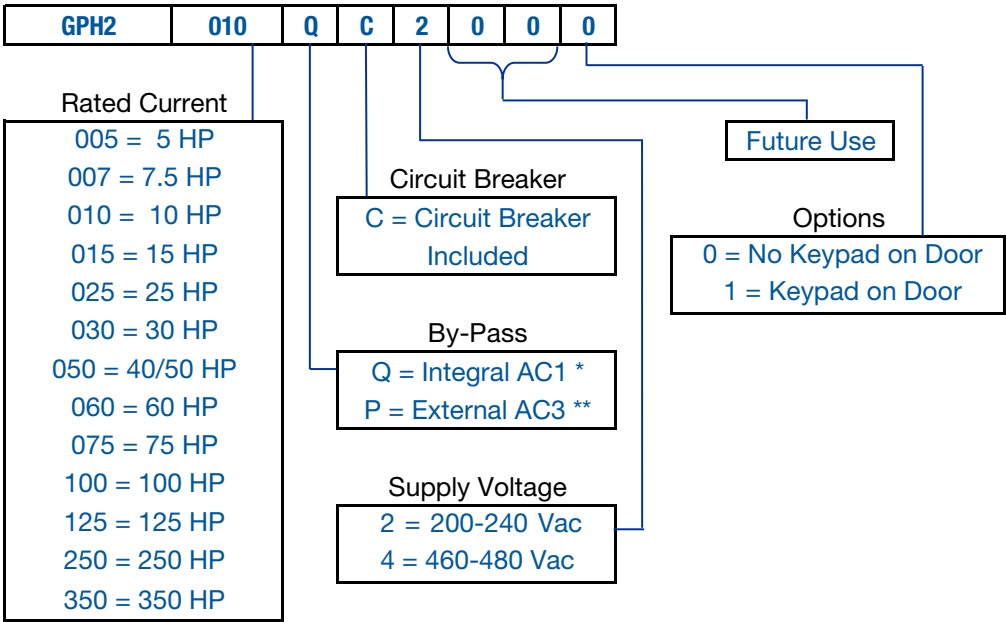
- Centrifugal Pumps
- Screw Compressors
- Centrifugal Fans
- Wood Chipper
- Veneer Lathe
- Saw
- Conveyor

Optional Features

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



GPH2 Catalog Number Sequence



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

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW11M
PUMP GENIUS
CFW700 SINGLE PHASE
CFW08 WASH
CFW501
CFW701
HVW701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2

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

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight ⁴ (lbs.)	List Price	Multiplier
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.

GPH2

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

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight ⁴ (lbs.)	List Price	Multiplier
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.

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

Motor Voltage	Motor HP 1	Starter Amps 2	Catalog Number	Frame Size	Approx. Weight 4 (lbs.)	List Price	Multiplier
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.

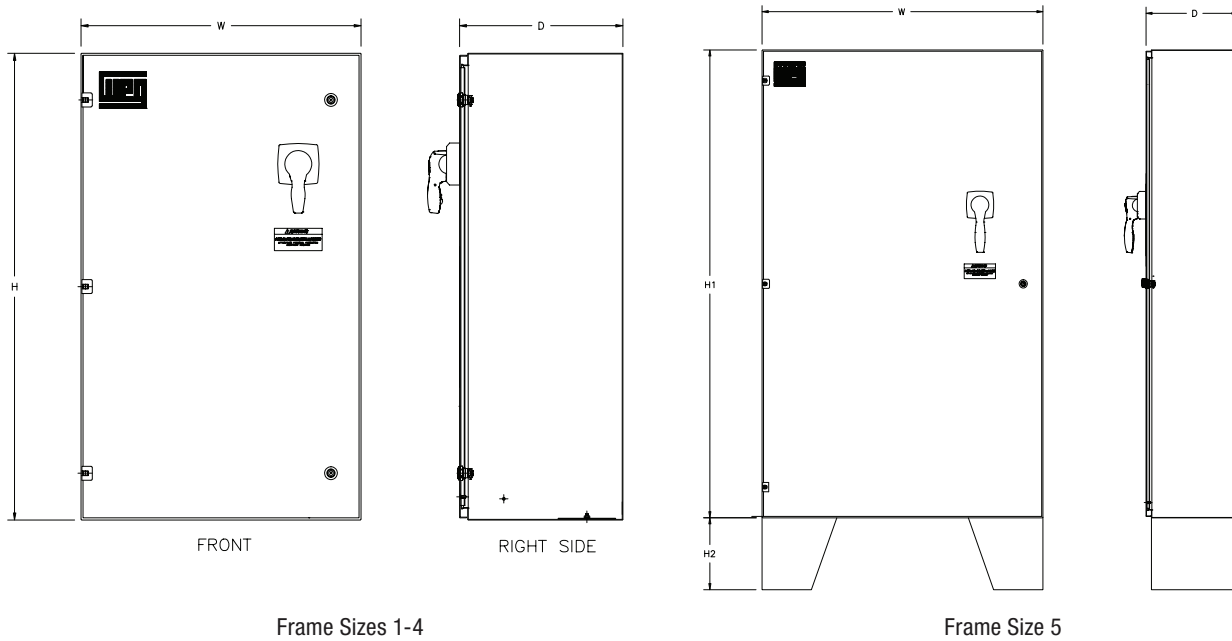
GPH2

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

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight ⁴ (lbs.)	List Price	Multiplier 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.



GPH Dimensions

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

Notes: H1 + H2 = overall height

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW1M
PUMP
GENIUS
CFW700
SINGLE
PHASE
CFW08
WASH
CFW501
CFW701
HVV701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2

Soft Starters



TPH2 Crusher Duty®

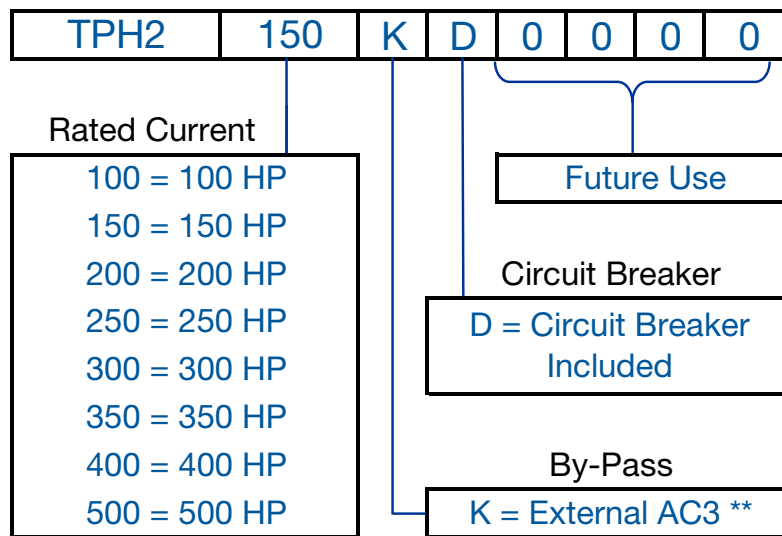
The WEG TPH2 Series of Crusher Duty® soft starters are designed to conquer the most demanding AC motor starting applications. While surpassing the highest starting torque requirements, the protective NEMA 4/12 enclosure makes the TPH2 Crusher Duty® soft starters ideal for the harsh industrial environments,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

Standard Features

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



TPH2 Catalog Number Sequence



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

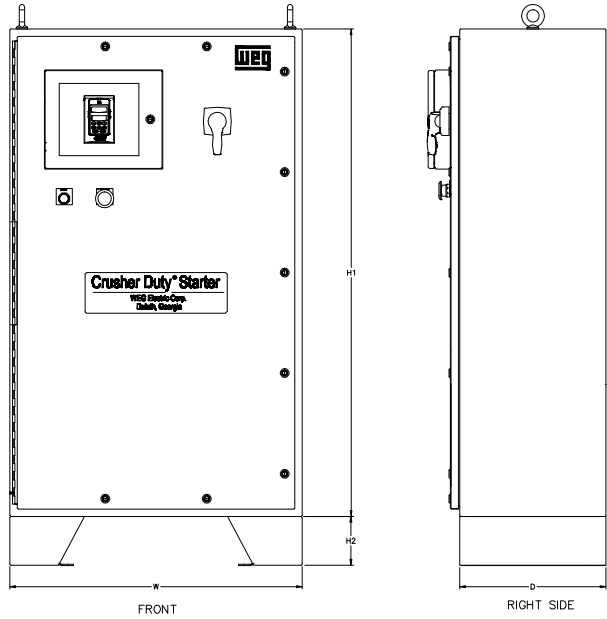
Soft Starters

TPH2

NEMA 4 / 12 Enclosure

Motor Voltage	Motor HP ¹	Starter Amps ²	Catalog Number	Frame Size	Approx. Weight (lbs.) ³	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.
3) Dimensions and weights are for estimating purposes only.
For other technical data please refer to WEG product manual.



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

Notes:
* H1 + H2 = overall height



My Notes:

General Information
CFW100
CFW300
CFW500
CFW700
CFW11
CFW11M
PUMP GENIUS
CFW700 SINGLE PHASE
CFW08 WASH
CFW501
CFW701
HVW701
SSW05
SSW07
SSW06
EDP11
GPH2
TPH2

CFW10 IP20 Enclosure ➡ Replace with ➡ CFW100 IP20 Enclosure

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

Notes:

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

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

3) CFW100 has an optional potentiometer available.

For other technical data please refer to WEG product manual."

CFW10 IP20 Enclosure ➡ Replace with ➡ CFW300 IP20 Enclosure

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

Notes:

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

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

3) CFW300 has keypad speed adjustment in lieu of CFW10 with Potentiometer.

For other technical data please refer to WEG product manual."



CFW08 Plus



Replace with



CFW500

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

NEMA 1 Enclosure

Motor Voltage	Motor HP ¹	Drive Amps ²	CFW08 Catalog Number	Braking Transistor		Drive Amps ²	CFW500 Catalog Number	Braking Transistor	List Price	Multiplier
230 Vac	Input Power Supply: Three-Phase 230 Vac									
	1/4 - 1/3	1.6	CFW080016BDN1A1Z	No		1.6	CFW500A01P6B2NB20	No	\$456	V1
	1/2	2.6	CFW080026BDN1A1Z	No		2.6	CFW500A02P6B2NB20	No	\$467	V1
	1	4.0	CFW080040BDN1A1Z	No		4.3	CFW500A04P3B2NB20	No	\$506	V1
	2	7.0	CFW080070TDN1A1Z	No		7.0	CFW500A07P0T2NB20	No	\$628	V1
	2	7.3	CFW080073BDN1A1Z	Yes		7.3	CFW500B07P3B2DB20	Yes	\$678	V1
	3	10	CFW080100BDN1A1Z	Yes		10	CFW500B10P0B2DB20	Yes	\$789	V1
	5	16	CFW080160TDN1A1Z	Yes		16	CFW500B16P0T2DB20	Yes	\$842	V1
	7 1/2	22	CFW080220TDN1A1Z	Yes		24	CFW500C24P0T2DB20	Yes	\$1,427	V1
	10	28	CFW080280TDN1A1Z	Yes		28	CFW500D28P0T2DB20	Yes	\$1,777	V1
460 Vac						33	CFW500D33P0T2DB20	Yes	\$2,146	V1
						47	CFW500D47P0T2DB20	Yes	\$2,910	V1
	Input Power Supply: Three-Phase 460 Vac									
	1/4 - 1/3	1.0	CFW080010TGN1A1Z	No		1.0	CFW500A01P0T4NB20	No	\$582	V1
	3/4	1.6	CFW080016TGN1A1Z	No		1.6	CFW500A01P6T4NB20	No	\$604	V1
	1	2.6	CFW080026TGN1A1Z	No		2.6	CFW500A02P6T4NB20	No	\$649	V1
	1	2.7	CFW080027TGN1A1Z	Yes		2.6	CFW500B02P6T4DB20	Yes	\$708	V1
	2	4.0	CFW080040TGN1A1Z	No		4.3	CFW500A04P3T4NB20	No	\$799	V1
	2	4.3	CFW080043TGN1A1Z	Yes		4.3	CFW500B04P3T4DB20	Yes	\$892	V1
	3	6.5	CFW080065TGN1A1Z	Yes		6.5	CFW500B06P5T4DB20	Yes	\$1,067	V1
	5	10	CFW080100TGN1A1Z	Yes		10	CFW500B10P0T4DB20	Yes	\$1,207	V1
	7 1/2	13	CFW080130TGN1A1Z	Yes		14	CFW500C14P0T4DB20	Yes	\$1,495	V1
	10	16	CFW080160TGN1A1Z	Yes		16	CFW500C16P0T4DB20	Yes	\$1,684	V1
575 Vac ⁴	15	24	CFW080240TGN1A1Z	Yes		24	CFW500D24P0T4DB20	Yes	\$2,229	V1
	20	30	CFW080300TGN1A1Z	Yes		31	CFW500D31P0T4DB20	Yes	\$2,783	V1
	Input Power Supply: Three-Phase 575 Vac									
	1	1.7	CFW080017THN1A1Z	Yes		1.7	CFW500C01P7T5DB20	Yes	\$910	V1
	2	3.0	CFW080030THN1A1Z	Yes		3.0	CFW500C03P0T5DB20	Yes	\$954	V1
	3	4.3	CFW080043THN1A1Z	Yes		4.3	CFW500C04P3T5DB20	Yes	\$1,073	V1
	5	7.0	CFW080070THN1A1Z	Yes		7.0	CFW500C07P0T5DB20	Yes	\$1,276	V1
	7 1/2	10	CFW080100THN1A1Z	Yes		10	CFW500C10P0T5DB20	Yes	\$1,621	V1
	10	12	CFW080120THN1A1Z	Yes		12	CFW500C12P0T5DB20	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 (IP20) & CFW11
(NEMA 1) Enclosure

Motor Voltage	ND / VT ¹		HD / CT ¹		CFW09 Catalog Number	Braking Transistor		ND / VT ¹	HD / CT ¹	CFW700 Catalog Number	Braking Transistor	List Price	Multiplier	
	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	CFW700A06P0B2DB20	Yes	\$1,370	V1	
	2	7.0	2	7.0	CFW-090007TDZ	Yes		7.0	7.0	CFW700A07P0B2DB20	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	CFW700A13P0T2DB20	Yes	\$1,440	V1	
	3	13	3	13	CFW-090013TDZ	Yes		16	13	CFW700A16P0T2DB20	Yes	\$1,542	V1	
	5	16	5	16	CFW-090016TDZ	Yes		24	20	CFW700B24P0T2DB20	Yes	\$2,020	V1	
	7 1/2	24	7 1/2	24	CFW-090024TDZ	Yes		28	24	CFW700B28P0T2DB20	Yes	\$2,201	V1	
	10	28	10	28	CFW-090028TDZ	Yes		33.5	28	CFW700B33P5T2DB20	Yes	\$2,600	V1	
	15	45	15	45	CFW-090045TDZ	Yes		54	45	CFW700C54P0T2DB20	Yes	\$3,700	V1	
	25	68	20	54	CFW-090054TDDbz	Yes		70	56	CFW700C70P0T2DB20	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	CFW700D105T2DBN1	Yes	\$8,100	V1	
	50	130	40	105	CFW-090105TDDbz	Yes		142	115	CFW700E142T2DB20C3	Yes	\$11,500	V1	
	50	150	50	130	CFW-090130TDDbz	Yes		180	142	CFW700E180T2DB20C3	Yes	\$15,500	V1	
	60	174	50	142	CFW-090142TDDbz	Yes		211	180	CFW700E211T2DB20C3	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	CFW700C70P0T2DB20	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	CFW700D105T2DBN1	Yes	\$6,101	V1	
	50	130	40	105	CFW-090105TDZ	No		142	115	CFW700E142T2NB20C3	No	\$10,101	V1	
	50	150	50	130	CFW-090130TDZ	No		180	142	CFW700E180T2NB20C3	No	\$12,999	V1	
	60	174	50	142	CFW-090142TDZ	No		180	142	CFW700E180T2NB20C3	No	\$12,999	V1	
	60	180	60	180	CFW-090180TDZ	No		211	180	CFW700E211T2NB20C3	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	CFW700A03P6T4DB20	Yes	\$1,350	V1	
	2	4.0	2	4.0	CFW-090004TGZ	Yes		5.0	5.0	CFW700A05P0T4DB20	Yes	\$1,444	V1	
	3	5.5	3	5.5	CFW-090005TGZ	Yes		7.0	5.5	CFW700A07P0T4DB20	Yes	\$1,510	V1	
	5	9.0	5	9.0	CFW-090009TGZ	Yes		10	10	CFW700A10P0T4DB20	Yes	\$1,600	V1	
	7.5	13	7.5	13	CFW-090013TGZ	Yes		17	13.5	CFW700B17P0T4DB20	Yes	\$2,055	V1	
	10	16	10	16	CFW-090016TGZ	Yes		24	19	CFW700B24P0T4DB20	Yes	\$2,455	V1	
	15	24	15	24	CFW-090024TGZ	Yes		31	25	CFW700B31P0T4DB20	Yes	\$3,450	V1	
	25	36	20	30	CFW-090030TGZ	Yes		38	33	CFW700C38P0T4DB20	Yes	\$3,888	V1	
	30	45	25	38	CFW-090038TGDBZ	Yes		45	38	CFW700C45P0T4DB20	Yes	\$5,000	V1	
	40	54	30	45	CFW-090045TGDBZ	Yes		58.5	47	CFW700C58P5T4DB20	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	CFW700E105T4DB20C3	Yes	\$11,989	V1	
	100	130	75	105	CFW-090105TGDBZ	Yes		142	115	CFW700E142T4DB20C3	Yes	\$14,989	V1	
	150	174	100	142	CFW-090142TGDBZ	Yes		180	142	CFW700E180T4DB20C3	Yes	\$20,989	V1	

continued on next page



CFW09

NEMA 1 Enclosure

Replace with

WEG Drives Replacement Guide

CFW700 (IP20) & CFW11 (NEMA 1)
Enclosure

	ND / VT ¹		HD / CT ¹		CFW09 Catalog Number	Braking Transistor		ND / VT ¹	HD / CT ¹	CFW700 Catalog Number	Braking Transistor	List Price	Multiplier	
	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	CFW700C38P0T4DB20	Yes	\$3,888	V1	
	40	54	30	40	CFW-090045TGZ	No		45	38	CFW700C45P0T4DB20	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	CFW700E105T4NB20C3	No	\$9,999	V1	
	100	130	75	100	CFW-090105TGZ	No		142	115	CFW700E142T4NB20C3	No	\$12,000	V1	
	125	174	100	125	CFW-090142TGZ	No		180	142	CFW700E180T4NB20C3	No	\$15,400	V1	
	150	180	150	180	CFW-090180TGZ	No		211	180	CFW700E211T4NB20C3	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	CFW700B04P2T5DB20	Yes	\$1,759	V1	
	5	7.0	3	4.2	CFW-090004THZ	Yes		7.0	6.5	CFW700B07P0T5DB20	Yes	\$1,874	V1	
	7 1/2	10	5	7.0	CFW-090007THZ	Yes		10	9.0	CFW700B10P0T5DB20	Yes	\$2,048	V1	
	10	12	7 1/2	10	CFW-090010THZ	Yes		12	10	CFW700B12P0T5DB20	Yes	\$2,171	V1	
	15	14	10	12	CFW-090012THZ	Yes		17	17	CFW700B17P0T5DB20	Yes	\$2,552	V1	
	15	14	15	14	CFW-090014THZ	Yes		17	17	CFW700B17P0T5DB20	Yes	\$2,552	V1	
	25	27	20	32	CFW-090022THDBZ	Yes		27	22	CFW700C27P0T5DB20	Yes	\$4,506	V1	
	30	32	25	27	CFW-090027THDBZ	Yes		32	27	CFW700C32P0T5DB20	Yes	\$6,486	V1	
	30	32	30	32	CFW-090032THDBZ	Yes		44	36	CFW700C44P0T5DB20	Yes	\$7,309	V1	
	50	53	40	44	CFW-090044THDBZ	Yes		53	44	CFW700E53P0T5DB20C3	Yes	\$9,118	V1	
	60	63	50	53	CFW-090053THDBZ	Yes		63	53	CFW700E63P0T5DB20C3	Yes	\$11,580	V1	
	75	79	60	63	CFW-090063THDBZ	Yes		80	66	CFW700E80P0T5DB20C3	Yes	\$12,091	V1	
	100	99	75	79	CFW-090079THDBZ	Yes		107	90	CFW700E0107T5DB20C3	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	CFW700E53P0T5NB20C3	No	\$8,446	V1	
	60	63	50	53	CFW-090053THZ	No		63	53	CFW700E63P0T5NB20C3	No	\$10,728	V1	
	75	79	60	63	CFW-090063THZ	No		80	66	CFW700E80P0T5NB20C3	No	\$11,200	V1	
	100	99	75	79	CFW-090079THZ	No		107	90	CFW700E0107T5NB20C3	No	\$15,042	V1	
	150	147	100	107	CFW-090107THZ	No		150	122	CFW700E0150T5NB20C3	No	\$21,723	V1	
	200	196	150	147	CFW-090147THZ	No		216	180	CFW110216T60YZ	No	\$40,206	V1	
	200	211	200	211	CFW-090211THZ	No		289	240	CFW110289T60YZ	No	\$48,913	V1	
	300	315	250	247	CFW-090247THZ	No		315	289	CFW110315T60YZ	No	\$54,936	V1	
350	343	300	315	CFW-090315THZ	No		365	315	CFW110365T60YZ	No	\$71,061	V1		
400	418	350	343	CFW-090343THZ	No		435	357	CFW110435T60YZ	No	\$76,125	V1		
500	472	400	418	CFW-090418THZ	No		584	504	CFW110584T60YZ	No	Contact Factory			
600	555	500	472	CFW-090472THZ	No		584	504	CFW110584T60YZ	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.

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Notes: