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Variable Frequency Drives

CFW08



CFW08 – DB Resistors 10% Duty Cycle

CFW08

Motor Volts	Motor HP	For Use with CFW08 Plus Model Number:	Catalog Number	OHMS	WATTS	List Price	Multiplier Symbol
230 V	2	CFW080073BDN1A1Z or A5Z	CFDB39-224	39	224	\$183	V1
	3	CFW080100BDN1A1Z or A5Z	CFDB27-298	27	298	\$183	V1
	5	CFW080160TDN1A1Z or A5Z	CFDB22-373	22	373	\$183	V1
	7.5	CFW080220TDN1A1Z or A5Z	CFDB15-560	15	560	\$319	V1
	10	CFW080280TDN1A1Z or A5Z	CFDB10-746	10	746	\$319	V1
460 V	1	CFW080027TGN1A1Z or A5Z	CFDB120-298	120	298	\$183	V1
	2	CFW080043TGN1A1Z or A5Z	CFDB120-298	120	298	\$183	V1
	3	CFW080065TGN1A1Z or A5Z	CFDB100-224	100	224	\$183	V1
	5	CFW080100TGN1A1Z or A5Z	CFDB47-746	47	746	\$319	V1
	7.5	CFW080130TGN1A1Z or A5Z	CFDB33-746	33	746	\$319	V1
	10	CFW080160TGN1A1Z or A5Z	CFDB33-746	33	746	\$319	V1
	15	CFW080240TGN1A1Z or A5Z	CFDB22-1119	22	1119	\$481	V1
20	CFW080300TGN1A1Z or A5Z	CFDB18-1492	18	1492	\$638	V1	

Note: These are non-stocked items, consult WEG for availability

CFW08 Plus – Technical Data

Power Supply	Voltage	Single or Three Phase	220...240V (+10%, -15%)
		Three Phase	380...480V (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Cos (Displacement Power Factor)	Greater than 0.98	
Enclosure	Degree of Protection	NEMA1	
Control	Control Modes	V/Hz	
		Sensorless Voltage Vector	
	Processor	16 bit DSP	
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors 2.5, 5, 10 or 15kHz	
	Switching Frequency	2.5, 5, 10 or 15kHz Switching Frequency	
Frequency Range	0 - 300Hz		
Overload Capacity	150% during 60 sec. every 10 min.		
Control Inputs	4 programmable isolated digital inputs, NPN or 24Vdc logic (PNP)		
	2 x programmable differential analog inputs, programmable for current or voltage with 0.25% linearity error and can be set as DI or as PTC input		
Control Outputs	2 programmable relay outputs, one NO (Form A) and on NC (Form B): 250 V / 0.5 A		
	1 x outputs with independent NO and NC at a same common 1 x 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	0...104°F (40°C), up to 122°F (50°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5...90% Non Condensing	
	Altitude	0...3300 ft (1000m), up to 13,200 ft (4000m) with 10% / 3300 ft (1000m) output current derating	
Conformities	EMC Directive 89 / 336 / EEC	Electromagnetic compatibility – Industrial Environment EMC – Emission and Immunity	
	ENC61800-3		
	LVD 73/23/EEC	Low Voltage Directive	
	UL 508 C	Power Conversion Equipment	
Special Functions	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, maximum and minimum adjustable frequency limits, adjustable output current		
Keypad	4 digit display, 2 indicator LEDs and 8 keys		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		
Mounting	Screws or optional DIN rail mount		