



MANTL VFD

STANDARD PACKAGE

- Custom PCP programming
 - Presco Bypass with selector switch in the event of more than one device
 - Backspin timer
 - Door mounted speed potentiometer for convenient speed changes
 - On board PLC that allows for complete customization
 - LED fault light for fault indication
- WEG CFW-11
 - Lightning arrestor
 - Nema 3R two door enclosure
 - Fused disconnect
 - Terminal blocks for easy field installation
 - 3% line reactor
 - Single Phase to Three Phase conversion



OPERATING FEATURES AND CHARACTERISTICS

Power supply and power range		
Voltage and power range	Single phase	220-240 V ac (+10%, -15%) (1.5 to 3 HP) 1.1 to 2.2 kW
	Three phases	220-240 V ac (+10%, -15%) (1.5 to 75 HP) 1.1 to 55 kW
		380-480 V ac (+10%, -15%) (2 to 1,000 HP) 1.5 to 750 kW
		500-600 V ac (+10%, -15%) (2 to 900 HP) 1.5 to 630 kW
		660-690 V ac (+10%, -15%) (3 to 900 HP) 1.5 to 630 kW
Frequency	50/60 Hz (+/-2%: 48 a 63 Hz)	
Displacement factor	Greater than 0.98	
Efficiency	Greater than 0.97	

Inverter output		
Voltage range	Three phase, 0 up to power supply voltage	
Frequency range	0 to 3.4x motor rated frequency ¹⁾	
Switching frequency	Standard: 5 kHz (frame sizes A, B, C, D); 2.5 kHz (frame size E); 2 kHz (frame size F, G and H) Options available 2.5 / 5 / 10 kHz	
Overload	Normal duty cycle	110% for 1min every 10min 150% for 3s every 10min
	Heavy duty cycle	150% for 1min every 10min 200% for 3s every 10min
Time (ramps)	Acceleration	0 to 999s
	Deceleration	0 to 999s

A complete keypad that will control, configure, and closely monitor the WEG CFW-11 unit as it controls operations. LCD Operators Keypad can save the configuration file for easy upload/ download.

