

Industrial Refrigeration Control Products

Standard Control Panels
for Industrial Refrigeration

Motors

Automation

Energy

Transmission and
Distribution

Coatings

Member



WEG Soft Starter Panels



Standard Features

- UL / cUL Listed
- Built in accordance with UL 508A standards
- Remote Mount / Free Standing gasketed enclosure
- NEMA 1 rated design - other ratings available
- 460V/120V - other voltages available
- 65kAIC SCCR panel rating
- Ambient temperature: -10°C to 40°C (14°F to 104°F) - custom options available for higher or lower temperature applications
- Elevation: 1000m (3300ft) - custom options available for higher elevation applications
- Humidity: 5 - 90% Non-condensing
- 3kVA control power transformer
- Door mounted Rotary Disconnect with shunt trip
- Door mounted keypad
- Soft starter with internal AC-1 bypass
- Oil pump starter up to 10 hp
- RS485 module for communications
- Current monitoring via Analog Output
- Terminal block interface for field wiring
- Complete factory test allowing for trouble free startup
- Customizable to meet any specification

Optional Features*

- Unit Mount / Compressor Mounted gasketed enclosure
- Door in Door Low Voltage Compartment
- Door mounted Flange Disconnect with shunt trip
- 5kVA Control Power Transformer
- Communications (Modbus, Ethernet, etc.)
- Panel space heater
- Motor space heater
- Door mounted voltage monitor
- Lightning Arrestor
- Ground fault detection
- Power Factor Correction
- SUSE Service Rated Entrance

*Consult Factory

Product Information - Soft Starter Panels

Voltage	SCCR Panel Rating	HP Rating	NEC Motor FLA (A)	Circuit Breaker Trip Setting (A)	Soft Starter Model	WEG Enclosure Dimensions (in) (H x W x D)
460V	65kAIC	75	96	200	SSW900B0105T5E2B	51 x 32 x 16
		100	124	225	SSW900C0171T5E2B	
		125	156	250	SSW900C0171T5E2B	
		150	180	300	SSW900D0255T5E3B	
		200	240	400	SSW900D0255T5E3B	
		250	302	500	SSW900D0312T5E3B	
		300	361	600	SSW900D0365T5E3B	71 x 32 x 20
		350	414	800	SSW900E0604T5E3B	
		400	477	800	SSW900E0604T5E3B	
		450	515	800	SSW900E0670T5E3B	
		500	590	1000	SSW900F0820T5E3B	79 x 40 x 24
		600	720	1200	SSW900F0950T5E3B	
		700	840	1200 (100% Rated)	SSW900G1100T5E3B	
		800	960	1200 (100% Rated)	SSW900G1100T5E3B	

Note: For other voltages, consult WEG for more information and pricing.

Warranty:

Starter Panel Only: 12/18 Months

Optimal Match: (New WEG motor + Starter Panel) 30/36 Months



WEG VFD Panels



Standard Features

- UL / cUL Listed
- Built in accordance with UL 508A standards
- Remote Mount / Free Standing gasketed enclosure
- NEMA 1 rated design - other ratings available
- 460V/120V - other voltages available
- 65kAIC SCCR panel rating
- Ambient temperature: 10°C to 40°C (50°F to 104°F) - custom options available for higher or lower temperature applications
- Elevation: 1000m (3300ft) - custom options available for higher elevation applications
- Humidity: 5 - 90% Non-condensing
- 3kVA Control Power Transformer
- Door mounted Rotary Disconnect with shunt trip
- Door mounted keypad
- Oil pump starter up to 10 hp
- RS485 module for communications
- Current monitoring via Analog Output
- Terminal block interface for field wiring
- Complete factory test allowing for trouble free startup
- Customizable to meet any specification

Optional Features*

- Door in Door Low Voltage Compartment
- Door mounted Flange Disconnect with shunt trip
- 5kVA Control Power Transformer
- Communications (Modbus, Ethernet, etc.)
- Input / Output Reactors & Filters
- Panel space heater
- Motor space heater
- Door mounted voltage monitor
- Lightning Arrestor
- Ground fault detection
- SUSE Service Rated Entrance

*Consult Factory

Product Information - VFD Panels

VFD

Voltage	SCCR Panel Rating	HP Rating	NEC Motor FLA (A)	Circuit Breaker Trip Setting (A)	VFD Model	WEG Enclosure Dimensions (in) (H x W x D)
460V	65kAIC	75	96	200	CFW110142T40N1Z	89 x 32 x 24
		100	124	225	CFW110180T40N1Z	
		125	156	250	CFW110180T40N1Z	
		150	180	300	CFW110211T40N1Z	
		200	240	400	CFW110312T4SZ	95 x 48 x 24
		250	302	500	CFW110370T4SZ	
		300	361	600	CFW110477T4SZ	
		350	414	800	CFW110477T4SZ	
		400	477	800	CFW110601T4SZ	95 x 56 x 24
		450	515	800	CFW110601T4SZ	
		500	590	1000	CFW110760T4OYZ	
		600	720	1200	CFW110877T4OYZ	
		700	840	1200 (100% Rated)	CFW111062T4OYZ	95 x 80 x 24
		800	960	1200 (100% Rated)	CFW111141T4OYZ	

VFD w/SS Bypass

Voltage	SCCR Panel Rating	HP Rating	NEC Motor FLA (A)	Circuit Breaker Trip Setting (A)	VFD Model	Soft Starter Model	WEG Enclosure Dimensions (in) (H x W x D)
460V	65kAIC	75	96	200	CFW110142T40N1Z	SSW900B0105T5E2B	89 x 40 x 24
		100	124	225	CFW110180T40N1Z	SSW900C0171T5E2B	
		125	156	250	CFW110180T40N1Z	SSW900C0171T5E2B	
		150	180	300	CFW110211T40N1Z	SSW900D0255T5E3B	
		200	240	400	CFW110312T4SZ	SSW900D0255T5E3B	95 x 56 x 24
		250	302	500	CFW110370T4SZ	SSW900D0312T5E3B	
		300	361	600	CFW110477T4SZ	SSW900D0365T5E3B	
		350	414	800	CFW110477T4SZ	SSW900E0604T5E3B	
		400	477	800	CFW110601T4SZ	SSW900E0604T5E3B	95 x 88 x 24
		450	515	800	CFW110601T4SZ	SSW900E0670T5E3B	
		500	590	1000	CFW110760T4OYZ	SSW900F0820T5E3B	
		600	720	1200	CFW110877T4OYZ	SSW900F0950T5E3B	
		700	840	1200 (100% Rated)	CFW111062T4OYZ	SSW900G1100T5E3B	95 x 120 x 24
		800	885	1200 (100% Rated)	CFW111141T4OYZ	SSW900G1100T5E3B	

Note: For other voltages consult WEG for more information and pricing.

Warranty:

Starter Panel Only: 12/18 Months

Optimal Match: (New WEG motor + Starter Panel) 30/36 Months



WEG Industrial Refrigeration Control Panel Product Code Matrix

1-3	4 - 7	8	9	10
Package Type	HP Rating	Line VAC	Oil Pump	NEMA Rating
WRS = WEG Refrigeration Soft Starter Panel	0020 = 20 HP	A = 460 V/120 V 60 Hz	A = None	1 = NEMA 1
WRM = WEG Refrigeration Soft Starter Panel w/ Wall Mount Bracket	0030 = 30 HP	B = 575 V/120 V 60 Hz	B = 0.75 HP	2 = NEMA 12
WRD = WEG Refrigeration VFD Panel	0040 = 40 HP	C = 380 V/120 V 60 Hz	C = 1.0 HP	3 = NEMA 3R
WRB = WEG Refrigeration VFD w/SS Bypass Panel	0050 = 50 HP		D = 1.5 HP	4 = NEMA 4
	0060 = 60 HP		E = 2.0 HP	
	0075 = 75 HP		F = 3.0 HP	
	0100 = 100 HP		G = 5.0 HP	
	0125 = 125 HP		H = 7.5 HP	
	0150 = 150 HP		J = 10 HP	
	0200 = 200 HP			
	0250 = 250 HP			
	0300 = 300 HP			
	0350 = 350 HP			
	0400 = 400 HP			
	0450 = 450 HP			
	0500 = 500 HP			
	0600 = 600 HP			
	0700 = 700 HP			
	0800 = 800 HP			

Note: Wall Mount Bracket only available for Soft Starter Panels up to 300HP

Information needed to quote:

- Type of Starter (Soft Starter, VFD, etc)
- Voltage
- HP
- Motor FLA
- Motor Service Factor
- Enclosure Rating
- Panel Options (oil pump starter, comms, etc)
- Ambient Temperature & Altitude
- Cable Entry & Exit Locations
- Existing Starter Data (dimensions, rating, etc)
- Motor Nameplate Data



WEG's scope of solutions is not limited to the products and solutions presented in this brochure.

Contact WEG for information on additional products and solutions.

**For WEG's worldwide
operations visit our website**



www.weg.net



 **1-800-ASK-4WEG**

 **refrigeration@weg.net**

 **Duluth, GA**