

Continental Power PFC – 660V POWER FACTOR CORRECTION UNITS

Continental Power's Power Factor Correction Units are designed to provide an economical solution to improve lagging power factor. Lagging power factor problems are associated with a variety of inductive loads.

- Induction Motors
- Transformers
- Inductive Loading

The Continental Power 660V Power Factor Correction Units are UL approved for all 3-phase panels up to 480V (can be used on 208V, 240V and 480V panels and loads). The product is housed in a NEMA 3R enclosure for installations requiring weather proof housings. Each enclosure is pole mountable with conduit knockouts and a terminal block to simplify installation. By using 660V capacitors rather than typical 440V or 480V capacitors, application flexibility and life expectancy is significantly increased.



Continental Power PFC – 660V POWER FACTOR CORRECTION UNIT ORDERING INFORMATION

The Continental Power 660V Power Factor Correction Units are available in 11 different sizes.

PART NO.	Capacitance Per Phase	KVAR	Std Panel Mount	Cap Rated Voltage	UL Operational Voltage	Breaker Size - 3Φ	AMPS (nominal)	Wire Size	WEIGHT (LBS)
PFC-660-10	10 μF	2.6		660V	up to 480V	10A	3.1	12 AWG	14
PFC-660-25	25 μF	6.5		660V	up to 480V	10A	7.8	12 AWG	15
PFC-660-50	50 μF	13.0		660V	up to 480V	20A	15.7	12 AWG	18
PFC-660-75	75 μF	19.5	200A 3 Φ	660V	up to 480V	30A	23.5	12 AWG	20
PFC-660-100	100 μF	26.1		660V	up to 480V	40A	31.3	10 AWG	22
PFC-660-125	125 μF	32.6		660V	up to 480V	50A	39.2	10 AWG	24
PFC-660-150	150 μF	39.1	400A 3 Φ	660V	up to 480V	60A	47	10 AWG	27
PFC-660-175	175 μF	45.6		660V	up to 480V	70A	54.8	8 AWG	33
PFC-660-200	200 μF	52.1		660V	up to 480V	80A	62.7	8 AWG	36
PFC-660-225	225 μF	58.6		660V	up to 480V	90A	70.5	6 AWG	40
PFC-660-250	250 μF	65.1		660V	up to 480V	100A	78.3	6 AWG	45

Two units (model 40 & model 70) can be used as standard panel mount units to treat 200A and 400A 208/240/480V panels respectively. All 11 units are designed for use dedicated to inductive loads. To determine what unit is required for a particular load, measurements of KW and Power Factor are required and this data can be put into the Continental Power - Power Optimizer Software to determine the appropriate unit.

Electrical Specifications

- KVAR Range: (2.6 KVAR - 65 KVAR)
- Maximum Voltage 480V 3-Phase, 60Hz
- “Non PCB” Oil Filled Capacitors
- UL Listed

Enclosure Specifications

- NEMA 3R Rating
- Pole Mount
- Conduit Knockouts 3/4” & 1 1/4”

Continental Power PFC – 660V POWER FACTOR CORRECTION UNIT BENEFITS

Low power factors are one of the leading causes of electrical system inefficiencies. Proper application of Continental Power’s Power Factor Correction Units can solve a variety of electrical system problems by correcting lagging power factor.

- **Avoid Power Factor Penalties**
- **Improve System Capacity**
- **Improve Efficiency**
- **Minimize Line Losses**
- **Prevent Voltage Drops**
- **Decrease Infrastructure Costs**



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