

Technical Data Sheet

Product Range – Power Factor Correction (PFC) Model – PFC-EM31-460-WM

System kVAr Rating	31kVAr
Nominal Supply Voltage	415V 3/Ph
Capacitor Rated Voltage	460V 3/Ph
Nominal Operating Current	61.67A
Recommended Fuse Size	63A
Frequency	50Hz
PFC Type Standard/Detuned	Standard* (See description)
PFC Control	Automatic
Switching Type	Contactors
Total Number of Stages	5
Stage Configuration	1x1.6/1x3.3/2x6.5/1x13.1kVAr
Minimum kVAr Resolution	1.6kVAr
Enclosure	Zinc Passivated Metallic enclosure painted with epossidic dust paint
Ingress protection	IP3X
Operating Ambient Temp	-5°C/+40°C
Ventilation	Natural
Height Approx	480 mm
Width Approx	610 mm
Depth Approx	260 mm
Weight Approx	20Kg
Fixing Points	4 x M6 Key Holes
Cable Entry	Bottom & Bottom Sides
Warranty	1 Year



Description

IP3X wall mounted enclosure with Bottom & Bottom Sides cable entry, 480(h) x 610(w) x 260(d). High quality 400/415V 3PH capacitors to give S1-1.6/S2-3.3/S3-6.5/S4-6.5/S5-13.1kVar contactor switched stages. Naturally air cooled with over temperature alarm and automatic disconnection of PFC stages. High accuracy PFC controller provides a wide selection of electrical measurements, including voltage and current THD with harmonic analysis up to 31st order. Intelligent automatic balanced use of stages which extends the life of the capacitors when compared to conventional PFC systems. Standard PFC systems are suitable for use on 400/415V 3 Ph 50Hz systems, with Total Harmonic Distortion values up to THDi%: ≤20% (total harmonic distortion relatively to the current in the plant) and THDc ≤70% (total harmonic distortion that capacitor withstands).

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