

# Technical Data Sheet

## Product Range – Power Factor Correction (PFC) Model – PFC-EM842-460

System kVAr Rating	842kVAr
Nominal Supply Voltage	415V 3/Ph
Capacitor Rated Voltage	460V 3/Ph
Nominal Operating Current	1675.09A
Recommended Fuse Size	1750A
Frequency	50Hz
PFC Type Standard/Detuned	Standard* (See description)
PFC Control	Automatic
Switching Type	Contactors
Total Number of Stages	6
Stage Configuration	2x84.2/4x168.4kVAr
Minimum kVAr Resolution	84.2kVAr
Enclosure	Zinc Passivated Metallic enclosure painted with epossidic dust paint
Ingress protection	IP4X
Operating Ambient Temp	-5°C/+40°C
Ventilation	Natural
Height Approx.	1960 mm
Width Approx.	1220 mm
Depth Approx.	670 mm
Weight Approx.	620Kg
Cable Entry	Bottom & Bottom Sides
Warranty	1 Year



### Description

IP4X floor standing enclosure with Bottom & Bottom Sides cable entry, 1960(h) x 1220(w) x 670(d). High quality 400/415V 3PH capacitors to give S1-84.2/S2-84.2/S3-168.4/S4-168.4/S5-168.4/S6-168.4kVar 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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