

Power Factor Correction Systems

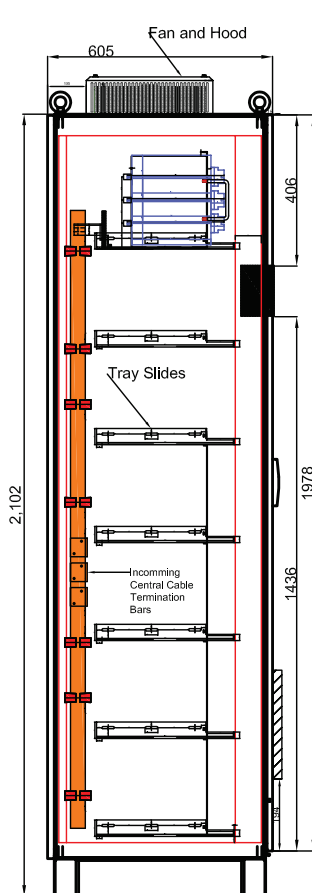


PRODUCT INFORMATION
UPDATED: May 2024

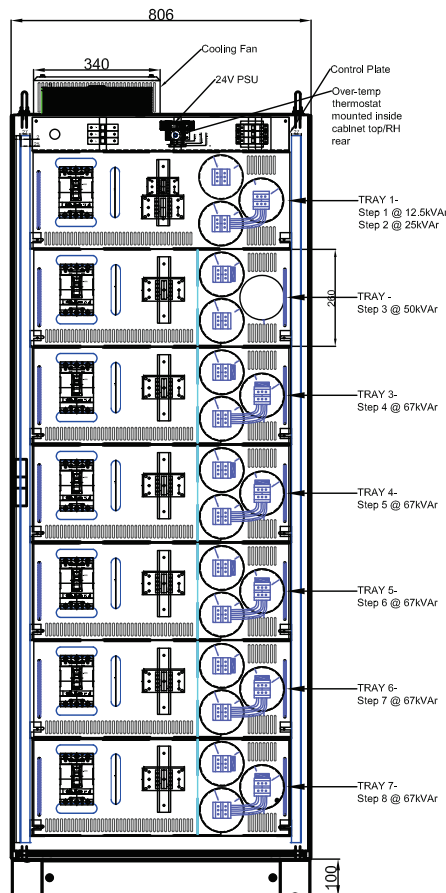
Product: Capacitor Based Power Factor Unit,
Standard Rearbus System

Description: Up to 405kVAR, Capacitor Based 7 step unit,
Standard Rearbus connection, which makes it easier to hot-swap trays.

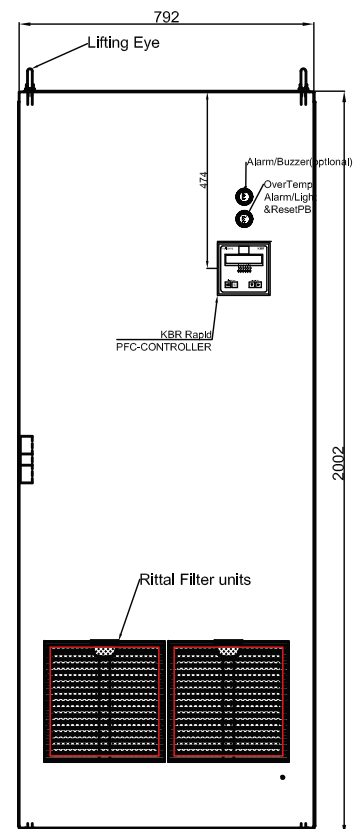
Major Part Vendor: Rittal, KBR, Elecktra & Noark



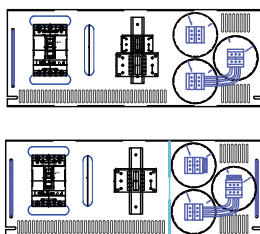
REAR BUS SYSTEM - Side view
(Side cover removed for clarity)



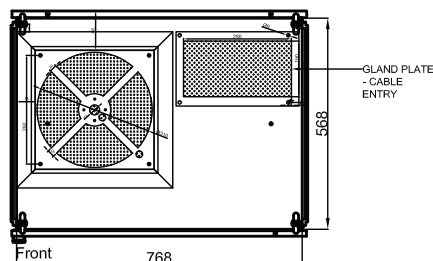
RITTAL TS8 8806.500
Front View - Door not shown



RITTAL TS8
8806.500 DOOR
CUTOUT VIEW
(showing internal frame detail)



STANDARD TRAY SYSTEM
- NOARC Or B&J Contactor
- NOARC MCCB to suit step size
- Elektra Harmonic Blocking Reactor (187Hz)
- KBR Capacitors



REAR BUS SYSTEM - Top View

General:

Installed Cabinet Dimensions: 2,202H x 792W x 578D

Weight: 500kg+

Operating Temperatures: 65°C

Housing: Powdercoated mild steel (Rittal)

Warranty: 2 years components, 5 years workmanship

System Parameters:

Nominal Current: 1.35x kVAR Rating

Rated Voltage: 415V

Power Frequency: 50Hz

Protective Device for Supply: 1.5x nominal current

Overall Performance & Mechanical:

Control: NOARK - rated for tray size

Reactor: Elektra - tuned at 187Hz

Leading or Lagging: Lagging

Switching Speed: 5-15 seconds

Monitoring Capabilities: Modbus Communication

Cooling System: Thermostat Controlled

Over temperature Protection: Thermostat Controlled

Tray (Step) Performance & Mechanical

Net Weight per Tray: 60kg~

Rated Voltage: 415/440

Hot Swappable: True

kVAR Ratings Available: 6.25/12.5, 8.3/17, 12.5/25, 17/33, 12.5, 17, 25, 33, 50, 67

