r46

87.5 kvar at 400 V 50 Hz

Code	TLR4687.5
Rated Voltage	400 ÷ 415 V ± 10%
Rated Frequency	50 Hz
Capacitors Voltage	460 V
THDi max	≤ 19 %
Power (400 V)	87.5 kvar
Rated Current	126 A
Banks (400 V)	12.5 - 25 – 25 - 25
Steps	7*12.5 kVAr
Temperature class	-5 / +52°C
Insulating Voltage	690 V
Max overcurrent	1,3 In
Total losses	< 2 W/kvar
Reference standards	EN61921, EN61439-1

Capacitors
Three-phase metallized polypropylene Capacitors with Oil, “dry type”, MKPR Series, Rated Voltage 460 V, Operating Voltage 400 V, Insulation Voltage 690 V, equipped with discharge resistors, overpressure safety device and IP20 terminals. Dielectric losses < 0,2W/kVAr. Reference Standards IEC60831-1/2, UL N.810, CSA
Overvoltage: 460 V (24h), 510 V (8h), 535 V (30m), 555 V (5m), 600 V (1m), 1410 V (Picco)
Overcurrent: 2In (24h), 3In (30m),4In (15m), 10In (Picco)

Contactors
Three-pole Contactors for capacitor banks, with high number of insertions (>250.000), with resistors for the limitation of high current from capacitor’s insertion (> di 100 In), and auxiliary contact. Reference standard IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1

Microprocessor PFC Controller
PFC406 Series, completed with Display and the following features: Cosphi, Current, Voltage, Reactive Power, Overvoltage, minimum voltage, AUT/MAN, C.T. recognize

Switch Disconnector
N. 1 Switch Disconnectors with door interlock sized 1,43 time the nominal current of PFC Unit as per EN61921, 3*250 A

Fuses
NH00 Fuses 100 kA for the protection of each capacitor bank. Auxiliary circuits are protected through 10,3 x 38 Fuses

Transformer
Single phase transformer for separating the power circuit from the auxiliary circuit (230 Vac)

Cabinet
Sheet-steel enclosure 15 and 20/10, painted with epoxy dust paint, colour RAL7035 (others on request).
Protection degree IP31 external, IP00 internal (IP20 with open doors on live parts).
Internal wiring made with cables are FS17 type, Reference standards CEI EN 50575, CEI UNEL 35716, CEI EN 50525 e CPR UE305/11.

Incoming cables	From the Top
Dimensions / Weight	(W*H*D) 462*782*262 mm / 45 Kg
Ventilation	Natural ventilation