r48filter-fix

50 kvar at 400 V 50 Hz

Code	**FFTR4850**
Rated Voltage	400 ÷ 415 V ± 10%
Rated Frequency	50 Hz
Capacitors Voltage	480 V
THDi max	100 %
THDv max	≤ 6 %
Power (400 V)	50 kvar
Rated Current	72 A
Temperature class	-5 / +52°C
Insulating Voltage	690 V
Max overcurrent	1,3 In
Total losses	< 4 W/kvar
Reference standards	EN61921, EN61439-1

Capacitors
Three-phase metallized polypropylene Capacitors Oil filled, MKPR Series, Rated Voltage 480 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: 480 V (24h), 530 V (8h), 555 V (30m), 585 V (5m), 625 V (1m), 1450 V (Picco)
Overcurrent: 2In (24h), 3In (30m), 4In (15m), 10In (Picco)

Detuning Reactors
Detuning reactors made of sheet oriented crystals, placed in series between the contactor and the capacitor bank, with the following features: linearity 1.8 Ip/In, realized in class H, over temperature range: 60°C, complete with thermal probe for switching off Capacitors Banks in case of overtemperature, limit the peak current inrush capacitors, detuning frequency 189 Hz (p=7%), standard for 5th Harmonic

Switch Disconnector
N. 1 Switch Disconnectors with door interlock sized 1,5 time the nominal current of PFC Unit as per EN61921, 3*125 A

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

Cabinet
Sheet-steel enclosure 15 and 20/10, painted with epoxy dust paint, colour RAL7035 (others on request).
Protection degree IP30 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 / 65 Kg
Ventilation	Ventilation Natural