RPC

Capacitor banks for 19'' switchboard



RPC series drawers are designed for installation inside standard **Data** and **Power Centre** cabinets using **19-inch** drawers. .

PERFORMANCE DATA

Tolerance on capacitance	-5% / +10
Rated frequency	50 Hz
Power supply	Three-phase + earth
Voltage overload	1.1 Un (max. 8 hrs. per 24)
Connection	M8 bolt on the fuse holder
Auxiliary circuits	230 Vac

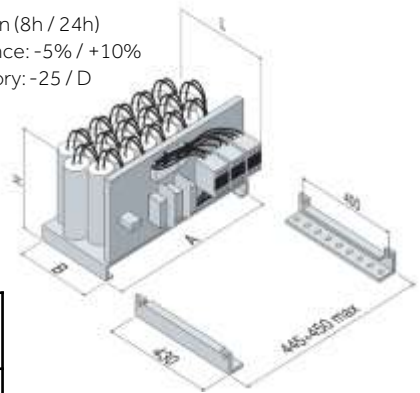
HARMONIC CONTENT

RESONANCE NOT ADMITTED

RPC-B15:	THD(I)max. = 15%. THD(Ic)max. = 50 %	in the grid on capacitors
RPC-B50:	THD(I)max. = 35 % THD(Ic)max. = 80 %	in the grid on capacitors

TECHNICAL DATA

Rack	Made of galvanised sheet steel.
Ventilation	Not present. By the installer/assembler.
Installation	Indoor, in enclosure not exposed to direct sunlight.
Protection degree	IP 00.
Fuses	The capacitive banks are protected by fuses. The protection of the power circuits (fuses NH-00 curve gG) involves the use of high breaking capacity fuses (100kA).
Contactors	Suitable for switching capacitive loads with pre-insertion resistors.
Capacitors	Single-phase capacitors made of self-healing (SH) metallised polypropylene (MKP) Over pressure safety device — Discharge resistor (75V within 3') PCB-free vegetable oil impregnation — Delta connection. Continuous service — Overvoltage: 1.1 x Un (8h / 24h) Current overload: 1.3 x In — Capacitance tollerance: -5% / +10% Dissipation losses: ≤0.4 W/kvar — Temperature category: -25 / D rated voltage / max. voltage **B15**: 415 Vac / 450 Vac ‖ **B50**: 500 Vac / 550 Vac
Working temperature	-5°C / +40°C



STANDARD CONFIGURATIONS

Code	Type	Qn (kvar)	In (A)	Batteries (kvar)	Dimensions A x B x L x H (mm)	Weight (kg)
8701412250320	RPC-B15	25	35	2	440 x 340 x 490 x 270	11
8701412375320	RPC-B15	37,5	52	3	440 x 340 x 490 x 270	13
8701412500320	RPC-B15	50	70	4	440 x 340 x 490 x 270	17
8701412750320	RPC-B15	75	104	3	440 x 340 x 490 x 270	19
8701413100320	RPC-B15	100	139	4	440 x 340 x 490 x 270	23
8701414010320	RPC-B15	100	139	2	440 x 340 x 490 x 270	23
8721412250350	RPC-B50	25	35	2	440 x 340 x 490 x 270	13
8721412375350	RPC-B50	37,5	52	3	440 x 340 x 490 x 270	15
8721412500350	RPC-B50	50	70	4	440 x 340 x 490 x 270	19
8721412750350	RPC-B50	75	104	3	440 x 340 x 490 x 270	21
8721413100350	RPC-B50	100	139	4	440 x 340 x 490 x 270	25
8721414010350	RPC-B50	100	139	2	440 x 340 x 490 x 270	25

Note

- The power rating is expressed at 400 V - 50 Hz.
- Capacitor banks must be protected by a disconnection and protection device and earthed. (in charge of installer)
- Racks are available in different series, for applications with different current or voltage harmonic content on capacitors.
- Dimension 'L' refers to the overall depth, taking the contactor into account.

QUALITY AND TESTING

Regulations	IEC / EN 60831-1/2. EN 61921.
European Directives	Low voltage: 2014/35/EC; Electromagnetic compatibility: 2014/30/EC.
Testing	100% of equipment undergoes visual inspection, insulation testing: phase-to-phase and phase-to-ground, power testing checks