



RCSE series power factor rack system

RC series power factor racks are designed for direct panel mounting onto vertical supports within floor standing electrical panels.

RCSE series rack design incorporates the following:

- Sheet metal mounting frame for easy panel mounting (*capacitors visible without having to remove rack*)
- Electronicon heavy duty "gas filled" cylindrical capacitors (*with integrated discharge resistors*)
- Special capacitor switching contactors 400 VAC coil (*230V on request*)
- Three-phase busbar mounted fuse holder with hinged fuse protection cover
- Suitably rated HRC fuses for each phase of each capacitor bank
- Incorporated busbar, supports and inter-connecting busbar links
- Dimensions:
 - from front of switchgear to front plate: 150 mm
 - Behind front mounting plate: 320 mm
 - Between vertical supports: 486 mm

| type | kvar at: | | | description | dimensions (mm) | | |
|------|----------|------|------|-------------|-----------------|-----|-----|
| | 400V | 440V | 480V | | (H) | (W) | (D) |

RCSE series single step racks (400...480V capacitors) fuse protection

| | | | | | | | |
|-------------------|-------------|-----|-----|-----------------------|-----|-----|-----|
| RCSE01204* | 12.5 | 15 | 18 | single capacitor rack | 270 | 555 | 470 |
| RCSE01504 | 15 | 20 | 24 | single capacitor rack | 270 | 555 | 470 |
| RCSE02004 | 20 | 25 | 30 | single capacitor rack | 270 | 555 | 470 |
| RCSE02504* | 25 | 30 | 36 | single capacitor rack | 270 | 555 | 470 |
| RCSE03004 | 30 | 40 | 43 | single capacitor rack | 270 | 555 | 470 |
| RCSE04004 | 40 | 50 | 58 | single capacitor rack | 270 | 555 | 470 |
| RCSE05004* | 50 | 60 | 72 | single capacitor rack | 270 | 555 | 470 |
| RCSE06004 | 60 | 80 | 86 | single capacitor rack | 270 | 555 | 470 |
| RCSE08004 | 80 | 100 | 115 | single capacitor rack | 270 | 555 | 470 |
| RCSE10004* | 100 | 120 | 144 | single capacitor rack | 270 | 555 | 470 |

RCDE series double-step racks (400...480V capacitors) separate fuse protection for each bank

| | | | | | | | |
|-------------------|----------------|---------|---------|-----------------------|-----|-----|-----|
| RCDE04024 | 2 x 20 | 2 x 25 | 2 x 30 | double capacitor rack | 270 | 555 | 470 |
| RCDE05024 | 2 x 25 | 2 x 30 | 2 x 36 | double capacitor rack | 270 | 555 | 470 |
| RCDE06024 | 2 x 30 | 2 x 40 | 2 x 43 | double capacitor rack | 270 | 555 | 470 |
| RCDE08024 | 2 x 40 | 2 x 50 | 2 x 58 | double capacitor rack | 270 | 555 | 470 |
| RCDE10024* | 2 x 50 | 2 x 60 | 2 x 72 | double capacitor rack | 270 | 555 | 470 |
| RCDE03734* | 12.5+25 | 15 + 30 | 18 + 36 | double capacitor rack | 270 | 555 | 470 |
| RCDE06034 | 20 + 40 | 25 + 50 | 30 + 60 | double capacitor rack | 270 | 555 | 470 |
| RCDE07534* | 25 + 50 | 30 + 60 | 36 + 72 | double capacitor rack | 270 | 555 | 470 |

* Preferred types

Wall mount power factor systems (automatic) 400/440V

For applications with varying capacitor requirements. An automatic reactive controller monitors the network and only switches capacitor banks when required, avoiding potential over or under compensation in a network.

WMSE series wall mount power factor systems (37 - 150 kvar - 400V)

Complete ready-to-install system comprising following

- Reverse-flow fan ventilated wall mount enclosure, bottom cable entry (*top entry on request*)
- Mains isolator, door interlocking (*with early make / late break auxiliary*)
- Heavy duty three phase capacitors (*with internal discharge resistors*)
- Reactive control relay DCRL 5 (*digital display of all important electrical network parameters*)
- "Special" capacitor switching contactors incorporating limiting resistors
- HRC fuse protection (*per capacitor bank*)

| type | kvar at: | | steps (kvar) at 400V | | | expands to (kvar) | dimensions (mm) | | |
|------|----------|------|----------------------|----|----|-------------------|-----------------|-----|-----|
| | 400V | 440V | 12.5 | 25 | 50 | | (H) | (W) | (D) |

WMSE series wall-mount complete power factor systems (440V capacitors)

| | | | | | | | | | |
|------------------|--------------|-----|---|---|---|------|-----|-----|-----|
| WMSE03704 | 37.5 | 45 | 1 | 1 | – | 87.5 | 700 | 600 | 300 |
| WMSE05004 | 50 | 60 | 2 | 1 | – | 87.5 | 700 | 600 | 300 |
| WMSE06204 | 62.5 | 75 | 1 | 2 | – | 87.5 | 700 | 600 | 300 |
| WMSE07504 | 75 | 90 | 2 | 2 | – | 87.5 | 700 | 600 | 300 |
| WMSE08704 | 87.5 | 105 | 1 | 3 | – | – | 700 | 600 | 300 |
| WMSE10004 | 100 | 120 | 2 | 1 | 1 | 150 | 700 | 900 | 300 |
| WMSE11204 | 112.5 | 135 | 1 | 2 | 1 | 150 | 700 | 900 | 300 |
| WMSE12504 | 125 | 150 | 2 | 2 | 1 | 150 | 700 | 900 | 300 |
| WMSE13704 | 137.5 | 165 | 1 | 1 | 2 | 150 | 700 | 900 | 300 |
| WMSE15004 | 150 | 180 | – | 2 | 2 | – | 700 | 900 | 300 |

See overleaf for larger floor standing power factor systems

