



## CV-40/20

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CV-40/20, Power Capacitor

Code: R2013F.

- > kvar 50 Hz: 20
- > kvar 60 Hz: 25
- > Frequency (Hz): 50
- > Use voltage (V): 400

### Description

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The CV dry-type prismatic capacitor range covers all power and voltage requirements, from 50 to 60 Hz. The design, manufacturing and testing processes of tubular capacitors guarantee the production of top quality and long lasting capacitors. The 4 internal protection levels (self-regulation of the internal fuse, protection cover and vermiculite) make prismatic capacitors the safest units in the market.

### Application

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Its application is based on the compensation in installations with fixed and variable loads (capacitor banks).



## CV-40/20

Low voltage three-phase power capacitors

Code: R2013F.

### Specifications

#### AC power supply

|           |            |
|-----------|------------|
| Frequency | 50 ó 60 Hz |
|-----------|------------|

#### Electrical characteristics

|                             |  |
|-----------------------------|--|
| Permanent overload          | 1,3 In   |
| Losses (W)                  | Dielectric: < 0,2 W / kvar Total: < 0,4 W / kvar   |
| Discharge resistance        | 75 V / 3 min   |
| Surge                       | 10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over 24 hours 30 % up to 1 min over 24 hours |
| Tolerance C                 | -5 ... +15 %   |
| Voltage                     | 230 V  |
| Insulation voltage, circuit | 3 / 15 kV  |

#### Mechanical characteristics

|                                  |  |
|----------------------------------|--|
| Size (mm) width x height x depth | 204 x 435 x 75 (mm)                                |
| Envelope                         | Treated and painted steel in RAL 3005 colour       |
| Thermal management               | Natural or forced depending on the cabinet         |
| Fastening                        | Vertical. Minimum distance between condensers 4 cm |
| Weight (kg)                      | 4,2  |

#### Environmental characteristics

|  |  |
|--|--|
| Protection class                         | IP 42 with terminal cover  |
| Relative humidity (without condensation) | 80%  |
| Working temperature                      | T <sup>3</sup> class C: Daily average: 40 °C, annual average: 30 °C, maximum: 50 °C, minimum: -40 °C |

#### Standards

|                                       |  |
|---------------------------------------|--|
| Certifications                        | VDE 560  |
| Electrical safety, Maximum height (m) | 2000   |
| Standards                             | IEC 60831-1, IEC 70/7, UNE-EN 20827, UNE-EN 20010, BS 1650 |

#### Protection

|                      |   |
|----------------------|---|
| Circuit breaker type | Dielectric regeneration Internal fuse Overpressure system Vermiculite |
|----------------------|---|

#### CV-50 Hz

Power capacitors for LV

| CODE    | TYPE | kvar 50 Hz | kvar 60 Hz | Use voltage (V) |
|---------|------|------------|------------|-----------------|
| 400 Vac |      |            |            |                 |



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| CODE           | TYPE       | kvar 50 Hz | kvar 60 Hz | Use voltage (V) |
|----------------|------------|------------|------------|-----------------|
| R20134.        | CV-40/2,5  | 2.5        | 3          | 400             |
| R20138.        | CV-40/5    | 5          | 4.5        | 400             |
| R2013A.        | CV-40/7,5  | 7.5        | 9          | 400             |
| R2013C.        | CV-40/10   | 10         | 12.5       | 400             |
| R2013D.        | CV-40/12,5 | 12.5       | 15         | 400             |
| R2013E.        | CV-40/15   | 15         | 17.5       | 400             |
| R2013F.        | CV-40/20   | 20         | 25         | 400             |
| R2013G.        | CV-40/25   | 25         | 30         | 400             |
| <b>440 Vac</b> |            |            |            |                 |
| R20144.        | CV-44/2,5  | 2.5        | 3          | 440             |
| R20148.        | CV-44/5    | 5          | 4.5        | 440             |
| R2014A.        | CV-44/7,5  | 7.5        | 9          | 440             |
| R2014C.        | CV-44/10   | 10         | 12.5       | 440             |
| R2014D.        | CV-44/12,5 | 12.5       | 15         | 440             |
| R2014E.        | CV-44/15   | 15         | 17.5       | 440             |
| R2014F.        | CV-44/20   | 20         | 25         | 440             |
| R2014G.        | CV-44/25   | 25         | 30         | 440             |
| R2014J.        | CV-44/30   | 30         | 35         | 440             |



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## Dimensions

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## CV-40/20

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### ENTRADA CABLES

