

# CHV-T 500/6,6

CHV-T 500/6,6, Three-phase MV power capacitors

Code: R8K500000660E

> BIL (kV): 20/60
> Measure: Three-phase
> Frequency (Hz): 50
> Q (kvar): 500
> Un (V): 6600

## Description

**CHV** medium-voltage capacitor, made up of different basic capacitive elements.
These basic units are connected in series and parallel with the purpose of obtaining the power at the necessary voltage.

All the elements are protected by an internal fuse. This fuse is disconnected if a fault is detected, isolating only the basic unit that has been damaged. Internal fuse protection ensures greater system safety and service continuity.

## Application

**CHV-T** capacitors are used to build static and automatic capacitor banks of up to 12 kV.

The stainless-steel box of the **CHV-T** makes it a versatile product that can be used in indoor and outdoor applications.



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# CHV-T 500/6,6

Three-phase capacitor (indoor and outdoor use)

Code: R8K500000660E

## Specifications

### Isolators

| | |
|---|---|
| Material | Porcelain |
| Insulation level | 20/60 kV |
| Pollution level | 16 mm / kV |

### Electrical characteristics

| | |
|---|---|
| Losses (W) | ≤ 0,15 W / kvar |
| Power | 500 kvar |
| Discharge resistance | Location: Indoor Discharge time: ≤ 10 minutes Residual voltage: ≤ 75 V |
| Surge | 1.1 A 12 h in 24 hours 1.15 A 30 min in 24 hours 1.2 A 5 min in 24 hours 1.30 1 min in 24 hours |
| Voltage | 6600 V |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 350 x 1032 x 175 (mm) |
| Material | Dielectric: Rough polypropylene film Electrode: Laser-cut aluminium foil Impregnating oil: SAS-40E or M/DBT (PCB-free) |
| Envelope | Stainless steel painted RAL 7035. With 2 wings for fixing to the frame to avoid mechanical stress on the porcelain terminals. |
| Fastening | Horizontal or vertical |
| Weight (kg) | 57 |

### Environmental characteristics

| | |
|---|---|
| Installation, location, position. | Indoor / Outdoor |

### Standards

| | |
|---|---|
| Standards | IEC 60871-1, IEC 60871-5 |

**CHV-T**

Three-phase MV power capacitors

| CODE | TYPE | Q (kvar) | Un (V) | BIL (kV) | w x h x d | weight (kg) |
|---|---|---|---|---|---|---|
| **BIL 20/60 kV (50 Hz) - 3,3 kV** | | | | | | |
| R8K0500003305 | CHV-T 50/3,3 | 50 | 3300 | 20/60 | 350 x 422 x 160 | 18,8 |
| R8K0750003305 | CHV-T 75/3,3 | 75 | 3300 | 20/60 | 350 x 472 x 160 | 22,4 |
| R8K100000330E | CHV-T 100/3,3 | 100 | 3300 | 20/60 | 350 x 472 x 160 | 22,8 |
| R8K150000330E | CHV-T 150/3,3 | 150 | 3300 | 20/60 | 350 x 572 x 160 | 30 |
| R8K200000330E | CHV-T 200/3,3 | 200 | 3300 | 20/60 | 350 x 632 x 160 | 34,4 |
| R8K250000330E | CHV-T 250/3,3 | 250 | 3300 | 20/60 | 350 x 802 x 160 | 45,7 |

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Three-phase capacitor (indoor and outdoor use)

Code: R8K500000660E

| CODE | TYPE | Q (kvar) | Un (V) | BIL (kV) | w x h x d | weight (kg) |
|---|---|---|---|---|---|---|
| R8K300000330E | CHV-T 300/3,3 | 300 | 3300 | 20/60 | 350 x 802 x 160 | 46,7 |
| R8K333000330E | CHV-T 333/3,3 | 333 | 3300 | 20/60 | 350 x 862 x 175 | 55,6 |
| R8K400000330E | CHV-T 400/3,3 | 400 | 3300 | 20/60 | 350 x 892 x 175 | 58,3 |
| **BIL 20/60 kV (50 Hz) - 6,6 kV** | | | | | | |
| R8K0500006605 | CHV-T 50/6,6 | 50 | 6600 | 20/60 | 350 x 422 x 160 | 19,2 |
| R8K0750006605 | CHV-T 75/6,6 | 75 | 6600 | 20/60 | 350 x 472 x 160 | 22,6 |
| R8K1000006605 | CHV-T 100/6,6 | 100 | 6600 | 20/60 | 350 x 472 x 160 | 23 |
| R8K1500006605 | CHV-T 150/6,6 | 150 | 6600 | 20/60 | 350 x 572 x 160 | 30,2 |
| R8K200000660E | CHV-T 200/6,6 | 200 | 6600 | 20/60 | 350 x 632 x 160 | 38,3 |
| R8K250000660E | CHV-T 250/6,6 | 250 | 6600 | 20/60 | 350 x 802 x 160 | 45,9 |
| R8K300000660E | CHV-T 300/6,6 | 300 | 6600 | 20/60 | 350 x 802 x 160 | 46,9 |
| R8K333000660E | CHV-T 333/6,6 | 333 | 6600 | 20/60 | 350 x 862 x 175 | 55,9 |
| R8K400000660E | CHV-T 400/6,6 | 400 | 6600 | 20/60 | 350 x 892 x 175 | 58,6 |
| R8K500000660E | CHV-T 500/6,6 | 500 | 6600 | 20/60 | 350 x 1032 x 175 | 69,7 |
| R8K600000660E | CHV-T 600/6,6 | 600 | 6600 | 20/60 | 350 x 1182 x 175 | 81,2 |
| R8K750000660E | CHV-T 750/6,6 | 750 | 6600 | 20/60 | 350 x 1252 x 200 | 97,6 |
| **BIL 28/75 kV (50 Hz) - 11 kV** | | | | | | |
| R8L0500011005 | CHV-T 50/11 | 50 | 11000 | 28/75 | 350 x 422 x 160 | 19,3 |
| R8L0750011005 | CHV-T 75/11 | 75 | 11000 | 28/75 | 350 x 472 x 160 | 22,7 |
| R8L1000011005 | CHV-T 100/11 | 100 | 11000 | 28/75 | 350 x 472 x 160 | 23 |
| R8L1500011005 | CHV-T 150/11 | 150 | 11000 | 28/75 | 350 x 572 x 160 | 30,1 |
| R8L2000011005 | CHV-T 200/11 | 200 | 11000 | 28/75 | 350 x 632 x 160 | 34,4 |
| R8L2500011005 | CHV-T 250/11 | 250 | 11000 | 28/75 | 350 x 802 x 160 | 45,7 |
| R8L3000011005 | CHV-T 300/11 | 300 | 11000 | 28/75 | 350 x 802 x 160 | 46,5 |
| R8L3330011005 | CHV-T 333/11 | 333 | 11000 | 28/75 | 350 x 862 x 175 | 53 |
| R8L600001100E | CHV-T 600/11 | 600 | 11000 | 28/75 | 350 x 1182 x 175 | 80,7 |
| R8L750001100E | CHV-T 750/11 | 750 | 11000 | 28/75 | 350 x 1252 x 200 | 92,1 |

Codes R8xxxxxxxxxxx5 cannot have an internal fuse.

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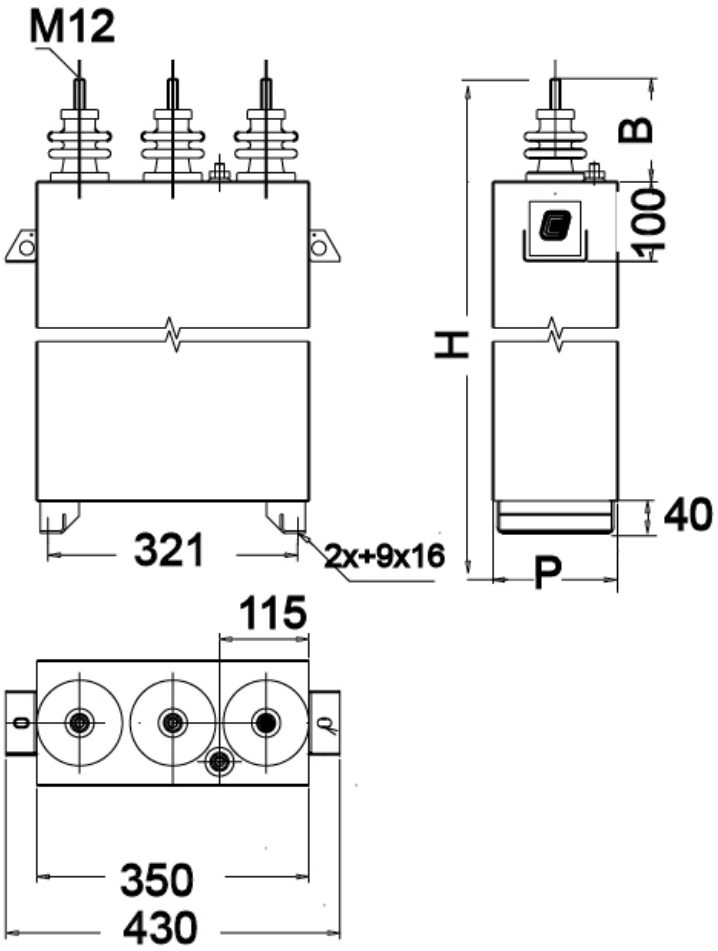


# CHV-T 500/6,6

Three-phase capacitor (indoor and outdoor use)

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## Dimensions






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