

Type B35

| | |
|-------------------------------|---|
| Ventilation | natural ventilation up to and including 175 kVAr forced ventilation from 200 kVAr |
| Isolation voltage | 500 Vac |
| THD(I)_{max} | 35% on the capacitors (20% to 25% in the network) |
| Frequency | 50 Hz |
| Working voltage | 415 V |
| Power | Q _n = received power on the required tension and frequency |
| Operating voltage | 400 V or 230 V via a built-in transformer (400/230 V) |
| Temperature range | -5°C / +40°C |
| Lock | screws : G3E, G4E, G4RM and G5E key : G7M kit |
| Cubicle | in robust sheet steel, RAL 7035 |
| Protection degree | G3E/G4E/G4RM/G5E external IP 31 = Internal : IP 00 G7M Kit external IP 40 = internal IP 20. |
| Short-circuit capacity | series G3E, G4E and G4RM : 10 kA in 1 sec series G5E, G7M = 40 KA. |
| Switch | G3E/G4E/G4RM/G5E = 3 pole switch (blocks the door by turning on) |
| Terminal | G3E, G4E, G4RM, G5E : at the top G7M kit : at the bottom |
| Wiring | Internal wiring is realized according to the norm N07VK CEI 20-22 II fireproof |
| Contactors | for high reliability each bank of capacitors is controlled by its own three-pole contactor. To limit the switching on inrush current each contactor is provided with chokes or resistors. |
| Fuses | Every bank is protected by a set of 3 HRC fuses (NH00 type – curve gG); the driving circuit is protected with tube fuses (10x38 mm) |
| Capacitors | single phase, connected in triangle self-healing, metalized polypropylene film, equipped with overpressure safety device and discharge resistor. All are compliant with standard dry type (only the dielectricum is impregnated with biodegradable oil, PCB free) <ul style="list-style-type: none"> ○ capacitance tolerance : -5% / +10% ○ total losses of the capacitors : ≤0.4 W/kVAr ○ temperature category : -25/D according to standard CEI EN 60831-1 |
| Regulator | varmetric relay (type QSR / BMR) entry 5A for TI 5VA class 1, secondary current adapted to the network entry for voltage 415 V switching on/off times : 25 à 30 sec |
| Reference standards | capacitors : CEI EN 60831-1/2 IEC 831-1/2 UL 810 equipment : CEI EN 60439-1 EIC 439-1 |

STANDARD CAPACITIES TYPE B35

| Type | Qn kVAr | In A | Steps kVAr | Principle n x kVAr | Switch A | Regulator | Dimensions h x w x d mm | Weight kg |
|-------------|------------|---------|------------------|-----------------------|-------------|-------------|----------------------------|--------------|
| G3E B35 | 17,5 | 24 | 2,5 5 10 | 7 x 2,5 | 40 | QSR4 | 580 x 280 x 230 | 16 |
| G3E B35 | 25 | 35 | 5 10 10 | 5 x 5 | 80 | | | 17 |
| G3E B35 | 31 | 43 | 6 12,5 12,5 | 5 x 6,2 | 80 | | | 18 |
| G3E B35 | 43,5 | 61 | 6 12,5 25 | 7 x 6,2 | 125 | QSR4 | 630 x 365 x 250 | 22 |
| G3E B35 | 50 | 70 | 12,5 12,5 25 | 4 x 12,5 | 125 | | | 23 |
| G3E B35 | 62,5 | 87 | 12,5 25 25 | 5 x 12,5 | 125 | | | 26 |
| G4E B35 | 75 | 104 | 12,5 12,5 25 25 | 6 x 12,5 | 160 | QSR4 | 800 x 430 x 320 | 38 |
| G4E B35 | 100 | 139 | 12,5 12,5 25 50 | 8 x 12,5 | 200 | | | 43 |
| G4RM B35 | 125 | 174 | 25 50 50 | 5 x 25 | 250 | QSR4 | 1210 x 550 x 430 | 80 |
| G4RM B35 | 150 | 209 | 25 25 50 50 | 6 x 25 | 250 | | | 85 |
| G4RM B35 | 175 | 244 | 25 50 50 50 | 7 x 25 | 315 | | | 87 |
| G4RM B35 | 200 | 279 | 25 25 50 100 | 8 x 25 | 400 | | | 89 |
| G4RM B35 | 225 | 313 | 25 50 50 100 | 9 x 25 | 400 | | | 95 |
| G4RM B35 | 250 | 348 | 25 50 75 100 | 10 x 25 | 400 | | | 102 |
| G5E B35 | 300 | 420 | 4 x 50 + 100 | 6 x 50 | 630 | BMR | 1520 x 810 x 380 | 185 |
| G5E B35 | 350 | 487 | 5 x 50 + 100 | 7 x 50 | 630 | | | 200 |
| G5E B35 | 400 | 557 | 4 x 50 + 2 x 100 | 8 x 50 | 630 | | | 215 |
| G7M Kit B35 | 420 | 585 | 7 x 60 | 7 x 60 | optional | BMR | 2000 x 800 x 600 | 215 |
| G7M Kit B35 | 450 | 627 | 30 + 7 x 60 | 15 x 30 | optional | | + socle 100 | 225 |
| G7M Kit B35 | 480 | 669 | 8 x 60 | 8 x 60 | optional | | | 235 |
| G7M Kit B35 | 510 | 710 | 30 + 8 x 60 | 17 x 30 | optional | | | 245 |
| G7M Kit B35 | 540 | 752 | 9 x 60 | 9 x 60 | optional | | | 255 |
| G7M Kit B35 | 570 | 794 | 30 + 9 x 60 | 19 x 30 | optional | | | 265 |
| G7M Kit B35 | 600 | 836 | 10 x 60 | 10 x 60 | optional | | | 275 |