

CONDENSADORES DE POTENCIA FILMETAL FILMETAL POWER CAPACITORS

DESCRIPCIÓN

Condensadores auto-regenerantes montados en cajas de chapa de acero de sección rectangular, equipados con resistencias de descarga en los terminales, los cuáles están protegidos por una cubierta.

Estos condensadores son adecuados tanto para la compensación individual de cargas inductivas como para la construcción de baterías automáticas de condensadores.

DESCRIPTION

Self-healing capacitors fitted in a rectangular sheet steel plate enclosure having discharge resistors connected to the terminals, which are protected by the cover.

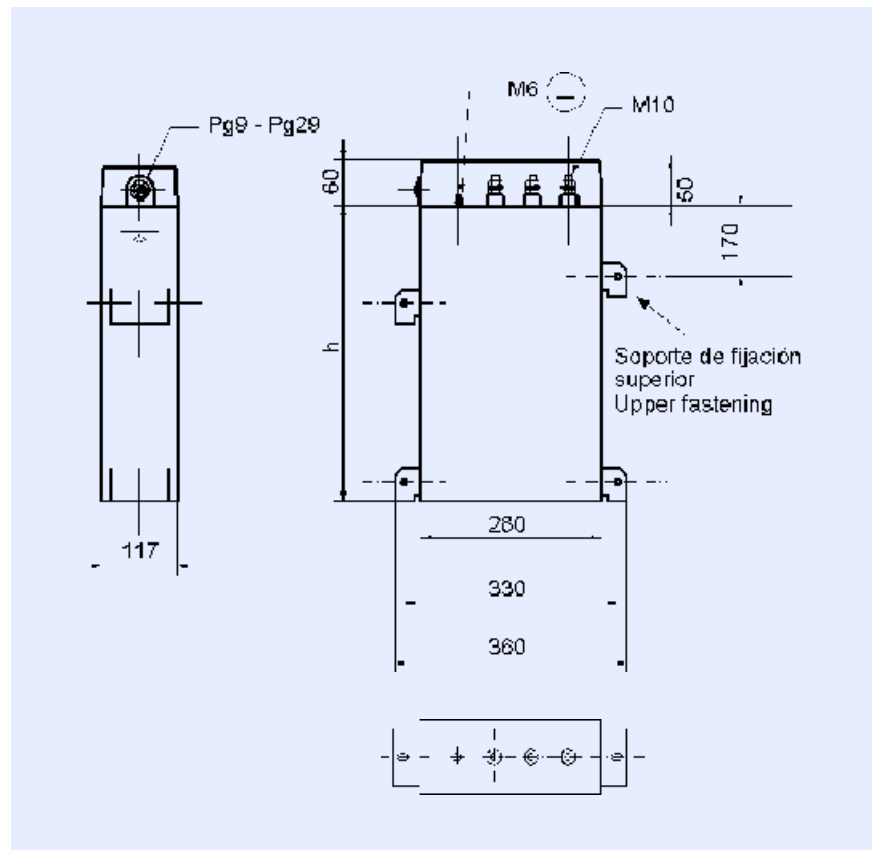
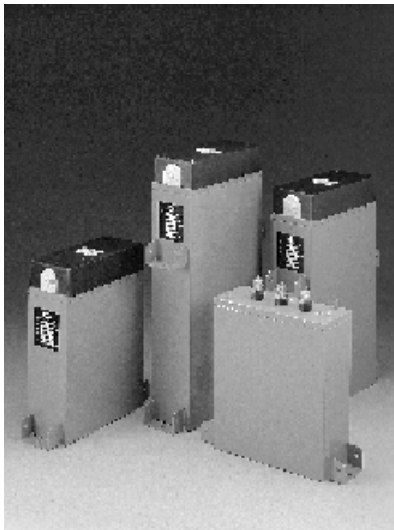
They are suitable for the individual compensation of inductive loads and in the construction of automatic capacitor banks.

CARACTERÍSTICAS TÉCNICAS / TECHNICAL CHARACTERISTICS

| | |
|--|---|
| Frecuencia / Frequency | 50 Hz – 60 Hz |
| Nivel de aislamiento / Insulation level | 3kV rms/15 kV cresta / 3kV rms/15 kV crest |
| Dieléctrico / Dielectric | Polipropileno / Polypropylene |
| Resistencias de descarga / Discharge resistors | Incorporadas / Fitted |
| Pérdidas dieléctricas / Dielectric losses | < 0.2 W/kvar |
| Pérdidas totales / Total losses | < 0.5 W/kvar |
| Sobretensión máxima / Max. overvoltage | 1.1 U_N |
| Sobrecorriente máxima / Max. overcurrent | 1.3 I_N |
| Tolerancia de potencia / Power tolerance | -5 / +10 % |
| Gama climática / Temperature range | -40 / +50 °C |
| Bornes de conexión / Connection terminals | M10 |
| Par de apriete máximo / Maximum torque | 15 N·m |
| Normas / Standards | IEC 831 IEC 70/70A BS 1650 VDE 560 EN 60831 |

* Otras tensiones y frecuencias bajo pedido / Other voltages and frequencies on request.

* Los condensadores de altura $h < 420$ mm no llevan el soporte de fijación superior
Capacitors with a height of $h < 420$ mm do not have upper fastenings.



50 Hz

| 230 V | | | | 380 V | | | | 400 V | | | |
|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|
| Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) |
| FMD2305 | 5 | 180 | 4 | FMD3810 | 10 | 180 | 5 | FMD4010 | 10 | 180 | 4 |
| FMD2307 | 7.5 | 180 | 4 | FMD3815 | 15 | 180 | 5 | FMD4015 | 15 | 180 | 5 |
| FMD2310 | 10 | 180 | 5 | FMD3820 | 20 | 230 | 6 | FMD4020 | 20 | 180 | 5 |
| FMD2315 | 15 | 180 | 5 | FMD3825 | 25 | 270 | 6 | FMD4025 | 25 | 180 | 6 |
| FMD2320 | 20 | 230 | 6 | FMD3830 | 30 | 270 | 8 | FMD4030 | 30 | 230 | 6 |
| FMD2325 | 25 | 270 | 8 | FMD3840 | 40 | 330 | 9 | FMD4040 | 40 | 270 | 8 |
| FMD2330 | 30 | 270 | 8 | FMD3850 | 50 | 420 | 11 | FMD4050 | 50 | 330 | 9 |
| FMD2335 | 35 | 330 | 11 | FMD3860 | 60 | 420 | 13 | FMD4060 | 60 | 420 | 11 |
| FMD2340 | 40 | 420 | 11 | FMD3875 | 75 | 550 | 16 | FMD4075 | 75 | 460 | 14 |
| FMD2350 | 50 | 420 | 13 | FMD3880 | 80 | 550 | 16 | FMD4080 | 80 | 460 | 14 |
| FMD2360 | 60 | 460 | 14 | FMD3890 | 90 | 550 | 17 | FMD4099 | 100 | 550 | 17 |

| 415 V | | | | 440 V | | | | 500 V | | | |
|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|
| Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) |
| FMD4110 | 10 | 180 | 4 | FMD4410 | 10 | 180 | 4 | FMD5010 | 10 | 180 | 5 |
| FMD4115 | 15 | 180 | 4 | FMD4415 | 15 | 180 | 5 | FMD5015 | 15 | 230 | 6 |
| FMD4120 | 20 | 180 | 4 | FMD4420 | 20 | 230 | 6 | FMD5020 | 20 | 270 | 8 |
| FMD4125 | 25 | 230 | 6 | FMD4425 | 25 | 270 | 8 | FMD5025 | 25 | 270 | 8 |
| FMD4130 | 30 | 230 | 6 | FMD4430 | 30 | 270 | 8 | FMD5030 | 30 | 330 | 9 |
| FMD4140 | 40 | 270 | 8 | FMD4440 | 40 | 420 | 11 | FMD5040 | 40 | 420 | 13 |
| FMD4150 | 50 | 330 | 9 | FMD4450 | 50 | 460 | 14 | FMD5050 | 50 | 460 | 14 |
| FMD4160 | 60 | 420 | 11 | FMD4460 | 60 | 460 | 14 | FMD5060 | 60 | 550 | 17 |
| FMD4175 | 75 | 460 | 14 | FMD4475 | 75 | 550 | 17 | FMD5075 | 75 | 650 | 20 |
| FMD4180 | 80 | 460 | 14 | FMD4480 | 80 | 650 | 19 | FMD5080 | 80 | 750 | 22 |
| FMD4199 | 100 | 550 | 17 | FMD4499 | 100 | 750 | 22 | | | | |

| 660 V | | | | 690 V | | | | 1000 V | | | |
|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|
| Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) |
| FMY6610 | 10 | 180 | 5 | FMY6910 | 10 | 180 | 4 | FMC0010 | 10 | 180 | 4 |
| FMY6615 | 15 | 180 | 5 | FMY6915 | 15 | 180 | 5 | FMC0015 | 15 | 270 | 8 |
| FMY6620 | 20 | 230 | 6 | FMY6920 | 20 | 180 | 5 | FMC0020 | 20 | 270 | 8 |
| FMY6625 | 25 | 270 | 6 | FMY6925 | 25 | 230 | 6 | FMC0025 | 25 | 420 | 13 |
| FMY6630 | 30 | 270 | 8 | FMY6930 | 30 | 230 | 6 | FMC0030 | 30 | 420 | 13 |
| FMY6640 | 40 | 330 | 9 | FMY6940 | 40 | 270 | 8 | FMC0040 | 40 | 460 | 14 |
| FMY6650 | 50 | 420 | 11 | FMY6950 | 50 | 330 | 9 | FMC0050 | 50 | 460 | 17 |
| FMY6660 | 60 | 420 | 13 | FMY6960 | 60 | 420 | 11 | FMC0060 | 60 | 550 | 20 |
| FMY6675 | 75 | 550 | 16 | FMY6975 | 75 | 460 | 14 | FMC0065 | 65 | 650 | 22 |
| FMY6680 | 80 | 550 | 16 | FMY6980 | 80 | 460 | 14 | FMC0070 | 70 | 650 | 22 |
| FMY6690 | 90 | 550 | 17 | FMY6999 | 100 | 550 | 17 | | | | |

60 Hz

| 220 V | | | | 240 V | | | | 380 V | | | |
|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|
| Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) |
| FMZ2205 | 5 | 180 | 4 | FMZ2405 | 5 | 180 | 4 | FMZ3810 | 10 | 180 | 4 |
| FMZ2207 | 7.5 | 180 | 4 | FMZ2407 | 7.5 | 180 | 4 | FMZ3815 | 15 | 180 | 5 |
| FMZ2210 | 10 | 180 | 5 | FMZ2410 | 10 | 180 | 4 | FMZ3820 | 20 | 180 | 5 |
| FMZ2215 | 15 | 230 | 6 | FMZ2415 | 15 | 180 | 5 | FMZ3825 | 25 | 230 | 6 |
| FMZ2220 | 20 | 230 | 6 | FMZ2420 | 20 | 180 | 5 | FMZ3830 | 30 | 230 | 6 |
| FMZ2225 | 25 | 230 | 6 | FMZ2425 | 25 | 230 | 6 | FMZ3840 | 40 | 270 | 8 |
| FMZ2230 | 30 | 270 | 8 | FMZ2430 | 30 | 230 | 6 | FMZ3850 | 50 | 330 | 9 |
| FMZ2235 | 35 | 330 | 9 | FMZ2435 | 35 | 270 | 8 | FMZ3860 | 60 | 420 | 11 |
| FMZ2240 | 40 | 330 | 9 | FMZ2440 | 40 | 270 | 8 | FMZ3875 | 75 | 460 | 14 |
| FMZ2250 | 50 | 420 | 13 | FMZ2450 | 50 | 330 | 9 | FMZ3880 | 80 | 460 | 14 |
| | | | | FMZ2460 | 60 | 420 | 11 | FMZ3899 | 100 | 550 | 17 |

| 400 V | | | | 440 V | | | | 480 V | | | |
|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|-----------------|-----------------------|--------|--------------------|
| Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) | Referencia Code | Q _N (kvar) | h (mm) | Peso / Weight (kg) |
| FMZ4010 | 10 | 180 | 4 | FMZ4410 | 10 | 180 | 4 | FMZ4810 | 10 | 180 | 5 |
| FMZ4015 | 15 | 180 | 5 | FMZ4415 | 15 | 180 | 5 | FMZ4815 | 15 | 180 | 5 |
| FMZ4020 | 20 | 180 | 5 | FMZ4420 | 20 | 230 | 6 | FMZ4820 | 20 | 230 | 6 |
| FMZ4025 | 25 | 180 | 6 | FMZ4425 | 25 | 270 | 8 | FMZ4825 | 25 | 270 | 8 |
| FMZ4030 | 30 | 230 | 6 | FMZ4430 | 30 | 270 | 8 | FMZ4830 | 30 | 270 | 8 |
| FMZ4040 | 40 | 230 | 9 | FMZ4440 | 40 | 330 | 9 | FMZ4840 | 40 | 420 | 11 |
| FMZ4050 | 50 | 330 | 9 | FMZ4450 | 50 | 420 | 13 | FMZ4850 | 50 | 420 | 13 |
| FMZ4060 | 60 | 330 | 9 | FMZ4460 | 60 | 420 | 14 | FMZ4860 | 60 | 460 | 14 |
| FMZ4075 | 75 | 420 | 13 | FMZ4475 | 75 | 460 | 17 | FMZ4875 | 75 | 550 | 17 |
| FMZ4090 | 90 | 460 | 14 | | | | | FMZ4880 | 80 | 650 | 19 |