

FML_Z**60Hz****5 ... 100kvar****CONDENSADOR PRISMÁTICO TRIFÁSICO****THREE PHASE PRISMATIC CAPACITOR****DESCRIPCIÓN / DESCRIPTION**

Condensadores auto-regenerantes con dieléctrico de polipropileno de bajas pérdidas sin impregnantes líquidos. Montados en cajas de chapa de sección rectangular, equipadas con resistencia de descarga y terminales protegidos con cubierta plástica.

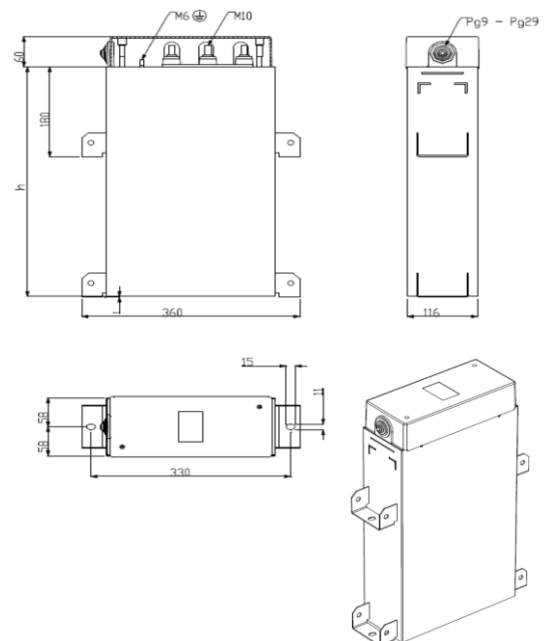
Estos condensadores están especialmente indicados para la compensación de cargas inductivas y para la construcción de baterías automáticas.

Self-healing capacitors with low losses metallized polypropylene dielectric without liquid impregnants. Mounted in rectangular sheet steel plate enclosure having discharge resistors connected to the terminals, which are protected by plastic cover.

These capacitors are especially suitable for the individual compensation of inductive loads and

**CARACTERÍSTICAS TÉCNICAS / TECHNICAL CHARACTERISTICS**

| | |
|--|-------------------------------------|
| • Tensión Nominal / <i>Rated Voltage</i> | 230...1000 V |
| • Frecuencia / <i>Frequency</i> | 60Hz |
| • Dieléctrico / <i>Dielectric</i> | Polipropileno/ <i>Polypropylene</i> |
| • Resistencias descarga / <i>Discharge Resistors</i> | Integradas/ <i>Fitted</i> |
| • Pérdidas dieléctricas / <i>Dielectric losses</i> | $\leq 0,2 \text{ W/kvar}$ |
| • Pérdidas totales / <i>Total losses</i> | $\leq 0,4 \text{ W/kvar}$ |
| • Sobretensión máx. / <i>Max. Overvoltage</i> | 1,1 UN |
| • Sobreintensidad máx. / <i>Max. Overcurrent</i> | 1,3 IN |
| • Nivel de aislamiento / <i>Isolation level</i> | 3/15 kV |
| • Tolerancia de potencia / <i>Power tolerance</i> | - 5 / + 10 % |
| • Gama climática/ <i>Climatic Range</i> | - 40 / D (55°C Max) |
| • Conexión/ <i>Connection</i> | M10 |
| • Grado de protección / <i>Protection degree</i> | IP41 |
| • Normas/ <i>Standards</i> | IEC 60831 EN 60831 RAL7035 |
| • Color/ <i>Colour</i> | |

**230V 60Hz (FMLxxxxZ)**

| Referencia <i>Part Number</i> | 60 Hz | | | | | | $C_N^{(*)}$ (μF) | Altura <i>Dim.</i> h (mm) | Peso <i>Weight</i> (kg) |
|----------------------------------|-----------|--------|-----------|--------|-----------|--------|----------------------------------|---------------------------------|-------------------------------|
| | 230 V | | 240 V | | 260 V | | | | |
| | Qn (kvar) | In (A) | Qn (kvar) | In (A) | Qn (kvar) | In (A) | | | |
| FML2315Z | 15 | 37,7 | 16,3 | 39,3 | 19,2 | 42,6 | 3 x 376 | 270 | 3,5 |
| FML2320Z | 20 | 50,2 | 21,8 | 52,4 | 25,6 | 56,8 | 3 x 501 | 270 | 4,2 |
| FML2325Z | 25 | 62,8 | 27,2 | 65,5 | 31,9 | 70,9 | 3 x 627 | 270 | 4,2 |
| FML2330Z | 30 | 75,3 | 32,7 | 78,6 | 38,3 | 85,1 | 3 x 752 | 270 | 5,0 |
| FML2340Z | 40 | 100,4 | 43,6 | 104,8 | 51,1 | 113,5 | 3 x 1003 | 460 | 6,8 |

(*) Capacidad Medida (Aparente) (Ver Nota Técnica: TS 03-020) (*) Measured (Apparent) (Refer to the technical note: TS 03-020)

FML_Z**CONDENSADOR PRISMÁTICO TRIFÁSICO****60Hz****THREE PHASE PRISMATIC CAPACITOR****5 ... 100kvar****380V 60Hz (FMLxxxxZ)**

| Referencia Part Number | 60 Hz | | | | | | C _N ^(*) (μF) | Altura Dim. h (mm) | Peso Weight (kg) |
|---------------------------|-----------|--------|-----------|--------|-----------|--------|---------------------------------------|--------------------------|------------------------|
| | 380 V | | 400 V | | 415 V | | | | |
| | Qn (kvar) | In (A) | Qn (kvar) | In (A) | Qn (kvar) | In (A) | | | |
| FML3810Z | 10 | 15,2 | 11,1 | 16,0 | 11,9 | 16,6 | 3 x 92 | 270 | 3,5 |
| FML3820Z | 20 | 30,4 | 22,2 | 32,0 | 23,9 | 33,2 | 3 x 184 | 270 | 3,5 |
| FML3825Z | 25 | 38,0 | 27,7 | 40,0 | 29,8 | 41,5 | 3 x 230 | 270 | 4,2 |
| FML3830Z | 30 | 45,6 | 33,2 | 48,0 | 35,8 | 49,8 | 3 x 276 | 270 | 4,2 |
| FML3835Z | 35 | 53,2 | 38,8 | 56,0 | 41,7 | 58,1 | 3 x 321 | 270 | 4,2 |
| FML3840Z | 40 | 60,8 | 44,3 | 64,0 | 47,7 | 66,4 | 3 x 367 | 270 | 4,2 |
| FML3845Z | 45 | 68,4 | 49,9 | 72,0 | 53,7 | 74,7 | 3 x 413 | 270 | 5,0 |
| FML3850Z | 50 | 76,0 | 55,4 | 80,0 | 59,6 | 83,0 | 3 x 459 | 270 | 5,0 |
| FML3855Z | 55 | 83,6 | 60,9 | 88,0 | 65,6 | 91,3 | 3 x 505 | 460 | 6,8 |
| FML3860Z | 60 | 91,2 | 66,5 | 96,0 | 71,6 | 99,6 | 3 x 551 | 460 | 6,8 |
| FML3880Z | 80 | 121,5 | 88,6 | 127,9 | 95,4 | 132,7 | 3 x 735 | 460 | 7,5 |

460V 60Hz (FMLxxxxZ)

| Referencia Part Number | 60 Hz | | | | | | C _N ^(*) (μF) | Altura Dim. h (mm) | Peso Weight (kg) |
|---------------------------|-----------|--------|-----------|--------|-----------|--------|---------------------------------------|--------------------------|------------------------|
| | 460 V | | 400 V | | 440 V | | | | |
| | Qn (kvar) | In (A) | Qn (kvar) | In (A) | Qn (kvar) | In (A) | | | |
| FML4605Z | 5 | 6,28 | 3,8 | 5,46 | 4,6 | 6,00 | 3 x 31 | 270 | 2,8 |
| FML4610Z | 10 | 12,6 | 7,6 | 10,9 | 9,1 | 12,0 | 3 x 63 | 270 | 2,8 |
| FML4615Z | 15 | 18,8 | 11,3 | 16,4 | 13,7 | 18,0 | 3 x 94 | 270 | 3,5 |
| FML4620Z | 20 | 25,1 | 15,1 | 21,8 | 18,3 | 24,0 | 3 x 125 | 270 | 3,5 |
| FML4625Z | 25 | 31,4 | 18,9 | 27,3 | 22,9 | 30,0 | 3 x 157 | 270 | 4,2 |
| FML4630Z | 30 | 37,7 | 22,7 | 32,7 | 27,4 | 36,0 | 3 x 188 | 270 | 4,2 |
| FML4635Z | 35 | 43,9 | 26,5 | 38,2 | 32,0 | 42,0 | 3 x 219 | 270 | 4,2 |
| FML4640Z | 40 | 50,2 | 30,2 | 43,7 | 36,6 | 48,0 | 3 x 251 | 270 | 5,0 |
| FML4645Z | 45 | 56,5 | 34,0 | 49,1 | 41,2 | 54,0 | 3 x 282 | 270 | 5,0 |
| FML4650Z | 50 | 62,8 | 37,8 | 54,6 | 45,7 | 60,0 | 3 x 313 | 460 | 6,8 |
| FML4655Z | 55 | 69,0 | 41,6 | 60,0 | 50,3 | 66,0 | 3 x 345 | 460 | 6,8 |
| FML4660Z | 60 | 75,3 | 45,4 | 65,5 | 54,9 | 72,0 | 3 x 376 | 460 | 6,8 |
| FML4665Z | 65 | 81,6 | 49,1 | 70,9 | 59,5 | 78,0 | 3 x 407 | 460 | 7,5 |
| FML4670Z | 70 | 87,9 | 52,9 | 76,4 | 64,0 | 84,0 | 3 x 439 | 460 | 7,5 |
| FML4675Z | 75 | 94,1 | 56,7 | 81,9 | 68,6 | 90,0 | 3 x 470 | 460 | 8,2 |

480V 60Hz (FMLxxxxZ)

| Referencia Part Number | 60 Hz | | | | | | C _N ^(*) (μF) | Altura Dim. h (mm) | Peso Weight (kg) |
|---------------------------|-----------|--------|-----------|--------|-----------|--------|---------------------------------------|--------------------------|------------------------|
| | 480 V | | 525 V | | 550 V | | | | |
| | Qn (kvar) | In (A) | Qn (kvar) | In (A) | Qn (kvar) | In (A) | | | |
| FML4825Z | 25 | 30,1 | 29,9 | 32,9 | 32,8 | 34,5 | 3 x 144 | 270 | 4,2 |
| FML4830Z | 30 | 36,1 | 22,7 | 32,7 | 27,4 | 28,8 | 3 x 173 | 270 | 4,2 |
| FML4850Z | 50 | 60,1 | 37,8 | 54,6 | 45,7 | 48,0 | 3 x 288 | 460 | 7,0 |
| FML4860Z | 60 | 72,2 | 45,4 | 65,5 | 54,9 | 57,6 | 3 x 345 | 460 | 8,0 |

(*) Capacidad Medida (Aparente) (Ver Nota Técnica: TS 03-020) (*) Measured (Apparent) (Refer to the technical note: TS 03-020)