



Fig. 1

Fig. 2

尺寸規格表 / Specification Size

60Hz

| 額定電壓<br>Voltage | 型式<br>Model   | 額定容量<br>Capacity |      | 額定電流<br>Current<br>(A) | 尺寸<br>Size(mm) |     |     | 接線端子<br>Line<br>terminals | 概略重量<br>kg | 參考圖<br>Diagram |
|-----------------|---------------|------------------|------|------------------------|----------------|-----|-----|---------------------------|------------|----------------|
|                 |               | kVAR             | μF   |                        | L              | W   | H   |                           |            |                |
| 220V            | YRMA-22K05TDM | 5                | 274  | 13.1                   | 205            | 75  | 235 | M5                        | 1.9        | Fig.1          |
|                 | YRMA-22K10TDM | 10               | 548  | 26.2                   | 205            | 75  | 235 | M5                        | 2.4        | Fig.1          |
|                 | YSMA-22K15TDM | 15               | 822  | 39.4                   | 225            | 175 | 232 | M8                        | 5.5        | Fig.2          |
|                 | YSMA-22K20TDM | 20               | 1096 | 52.5                   | 225            | 175 | 240 | M10                       | 5.8        | Fig.2          |
|                 | YSMA-22K25TDM | 25               | 1370 | 65.6                   | 225            | 175 | 300 | M10                       | 7.5        | Fig.2          |
|                 | YSMA-22K30TDM | 30               | 1644 | 78.7                   | 225            | 175 | 370 | M10                       | 9.2        | Fig.2          |
|                 | YSMA-22K40TDM | 40               | 2192 | 105                    | 225            | 175 | 450 | M12                       | 11.3       | Fig.2          |
|                 | YSMA-22K50TDM | 50               | 2740 | 131                    | 225            | 175 | 520 | M12                       | 13.8       | Fig.2          |
| YSMA-22K60TDM   | 60            | 3288             | 157  | 225                    | 175            | 590 | M12 | 16.0                      | Fig.2      |                |
| 240V            | YRMA-24K05TDM | 5                | 230  | 12.0                   | 205            | 75  | 235 | M5                        | 1.6        | Fig.1          |
|                 | YRMA-24K10TDM | 10               | 461  | 24.1                   | 205            | 75  | 235 | M5                        | 2.2        | Fig.1          |
|                 | YSMA-24K15TDM | 15               | 691  | 36.1                   | 225            | 175 | 232 | M8                        | 4.8        | Fig.2          |
|                 | YSMA-24K20TDM | 20               | 921  | 48.1                   | 225            | 175 | 240 | M10                       | 5.5        | Fig.2          |
|                 | YSMA-24K25TDM | 25               | 1151 | 60.1                   | 225            | 175 | 300 | M10                       | 6.8        | Fig.2          |
|                 | YSMA-24K30TDM | 30               | 1382 | 72.2                   | 225            | 175 | 300 | M10                       | 7.3        | Fig.2          |
|                 | YSMA-24K40TDM | 40               | 1842 | 96.2                   | 225            | 175 | 380 | M12                       | 9.7        | Fig.2          |
|                 | YSMA-24K50TDM | 50               | 2303 | 120                    | 225            | 175 | 450 | M12                       | 11.6       | Fig.2          |
| YSMA-24K60TDM   | 60            | 2763             | 144  | 225                    | 175            | 520 | M12 | 14.0                      | Fig.2      |                |
| 260V            | YRMA-26K05TDM | 5                | 196  | 11.1                   | 205            | 75  | 235 | M5                        | 1.5        | Fig.1          |
|                 | YRMA-26K10TDM | 10               | 392  | 22.2                   | 205            | 75  | 235 | M5                        | 1.9        | Fig.1          |
|                 | YSMA-26K15TDM | 15               | 589  | 33.3                   | 225            | 175 | 232 | M8                        | 4.7        | Fig.2          |
|                 | YSMA-26K20TDM | 20               | 785  | 44.4                   | 225            | 175 | 232 | M8                        | 4.9        | Fig.2          |
|                 | YSMA-26K25TDM | 25               | 981  | 55.5                   | 225            | 175 | 240 | M10                       | 5.5        | Fig.2          |
|                 | YSMA-26K30TDM | 30               | 1177 | 66.6                   | 225            | 175 | 300 | M10                       | 6.9        | Fig.2          |
|                 | YSMA-26K40TDM | 40               | 1570 | 88.8                   | 225            | 175 | 380 | M12                       | 9.3        | Fig.2          |
|                 | YSMA-26K50TDM | 50               | 1962 | 111                    | 225            | 175 | 380 | M12                       | 9.9        | Fig.2          |
| YSMA-26K60TDM   | 60            | 2354             | 133  | 225                    | 175            | 450 | M12 | 12.0                      | Fig.2      |                |

# 乾式鐵殼M型 低壓電力電容器

## Low Voltage Power Capacitors M Type



**規範及特性 / Specification and Performance**

| 型式<br>Type   | 油式保安型<br>Oil Type   | 乾式鐵殼型<br>M Type | 乾式圓筒型<br>C Type                                |
|--|---|-----------------|--|
| 內部充填<br>Impregnated or Filling                       | 精製植物油(無 PCB's)<br>Vegetable oil(non-PCB's)  | 環氧樹脂<br>EPOXY   | 超臨界真空乾燥氮氣充填<br>Supercritical vacuum N2 filling |
| 衝擊電壓(BIL)<br>Impulse voltage (BIL)                   | 15kV (1.2×50μS)   | 15kV (1.2×50μS) | ----   |
| 包覆外殼<br>Outside Case                                 | 馬口鐵 / 不鏽鋼<br>Tin Plate or Stainless Steel   | 鍍錫鋼板<br>Steel   | 耐壓鋁罐<br>Aluminum Can                           |
| 保護等級<br>Degree of protection                         | IP 66   | IP 50           | IP 66  |
| 依據標準<br>Standards                                    | CNS 1179, 3738; IEC 60831; JIS C 4901   |                 |  |
| 產品認證<br>Quality approval                             | 正字標記認證 (台正字第2845號)<br>CNS mark (No. 2845)   |                 |  |
| 工廠認證<br>Factory approval                             | ISO 9001(2015年版) 認證, ISO/IEC 17025(2005年版) TAF認證<br>ISO 9001:2015 certified, ISO/IEC 17025 certified  |                 |  |
| 適用高度<br>Usable altitude                              | 海拔2000公尺以下; 乾式屋內型相對濕度95%以下<br>Not exceeding 2000M; Relative Humidity below 95% for dry-type and indoor use capacitors.  |                 |  |
| 電介質<br>Dielectric                                    | 蒸著金屬聚丙烯塑膠膠膜, 具自復性機能<br>Metallized polypropylene film with self-healing mechanism.   |                 |  |
| 頻率<br>Frequency                                      | 60Hz  |                 |  |
| 容量誤差<br>Tolerance                                    | -5%~+10%  |                 |  |
| 周圍溫度<br>Ambient temperature                          | -25°C~+50°C (24小時平均溫度小於40°C, 一年平均溫度小於30°C)<br>-25°C~+50°C (24hours average below 40°C, annual average below 30°C)<br>[Other ambient temperature categories on request]  |                 |  |
| 最大容許過電壓<br>Maximum permissible voltage               | 額定電壓110% (24小時中8小時以內)<br>110% of rated voltage (8 hrs in every 24 hrs)<br>額定電壓115% (24小時中30分鐘以內)<br>115% of rated voltage (30 min in every 24 hrs)<br>額定電壓120% (5分鐘, 最多200次)<br>120% of rated voltage (5 min / max 200times)<br>額定電壓130% (1分鐘, 最多200次)<br>130% of rated voltage (1 min / max 200 times) |                 |  |
| 最大容許過電流<br>Maximum permissible current               | 額定電流130%<br>130% of rated current   |                 |  |
| 介質損失率<br>Dissipation factor of dielectric            | 小於0.02% 或 0.2W / kVAR (不含放電電阻)<br>Less than 0.02% or 0.2W / kVAR (without discharge resistors)  |                 |  |
| 電容器損失率<br>Dissipation factor of capacitor            | 小於0.15% 或 1.5W / kVAR (含放電電阻)<br>Less than 0.15% or 1.5W / kVAR (with discharge resistors)  |                 |  |
| 端子間耐電壓<br>Test voltage between terminals             | 額定電壓×2.15VAC, 施加10秒<br>Rated voltage x 2.15 VAC, 10 second  |                 |  |
| 端子與外殼間耐電壓<br>Test voltage between terminals and case | 3000VAC, 施加1分鐘<br>3000VAC, 1 minute (For indoor use)  |                 |  |
| 絕緣電阻(T-C)<br>Insulation resistance                   | 1000MΩ以上<br>above 1000MΩ  |                 |  |
| 放電特性<br>Discharge character                          | 電容器切離電源1分鐘後, 殘餘電壓降至50V以下<br>The residual voltage drops to 50V or lower in 1 minute after capacitor being disconnected from power source.  |                 |  |
| 保安性<br>Safety  | 內裝壓力拉斷式保安裝置具過載及故障保護機能, 通過UL 810之AFC 10000A認證, 案號E112211.<br>Internal protective device (Pressure sensitive interrupter) with overload and failure protection.<br>UL 810 AFC 10000A approval, File NO. E112211.  |                 |  |
| 容許湧入電流<br>Max Inrush current                         | 額定電流×200倍<br>Rated current x 200  |                 |  |

[其他規格規範均可承製] Other specification available on request



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**尺寸規格表 / Specification Size**

60Hz

| 額定電壓<br>Voltage | 型式<br>Mode     | 額定容量<br>Capacity |      | 額定電流<br>Current (A) | 尺寸<br>Size(mm) |     |     | 接線端子<br>Line terminals | 概略重量<br>kg | 參考圖<br>Diagram |
|-----------------|----------------|------------------|------|---------------------|----------------|-----|-----|------------------------|------------|----------------|
|                 |                | kVAR             | μF   |                     | L              | W   | H   |                        |            |                |
| 280V            | YRMA-28K05TDM  | 5                | 169  | 10.3                | 205            | 75  | 235 | M5                     | 1.6        | Fig.1          |
|                 | YRMA-28K10TDM  | 10               | 338  | 20.6                | 205            | 75  | 235 | M5                     | 2.0        | Fig.1          |
|                 | YRMA-28K15TDM  | 15               | 507  | 30.9                | 205            | 75  | 235 | M5                     | 2.2        | Fig.1          |
|                 | YSMA-28K20TDM  | 20               | 677  | 41.2                | 225            | 175 | 232 | M8                     | 5.4        | Fig.2          |
|                 | YSMA-28K25TDM  | 25               | 846  | 51.6                | 225            | 175 | 240 | M10                    | 5.6        | Fig.2          |
|                 | YSMA-28K30TDM  | 30               | 1015 | 61.9                | 225            | 175 | 240 | M10                    | 5.8        | Fig.2          |
|                 | YSMA-28K40TDM  | 40               | 1353 | 82.5                | 225            | 175 | 310 | M12                    | 7.8        | Fig.2          |
|                 | YSMA-28K50TDM  | 50               | 1692 | 103                 | 225            | 175 | 380 | M12                    | 9.8        | Fig.2          |
|                 | YSMA-28K60TDM  | 60               | 2030 | 124                 | 225            | 175 | 380 | M12                    | 10.0       | Fig.2          |
|                 | YSMA-28K80TDM  | 80               | 2707 | 165                 | 225            | 175 | 520 | M12                    | 14.0       | Fig.2          |
| 380V            | YRMA-38K05TDM  | 5                | 92   | 7.60                | 205            | 75  | 235 | M5                     | 1.6        | Fig.1          |
|                 | YRMA-38K10TDM  | 10               | 184  | 15.2                | 205            | 75  | 235 | M5                     | 1.9        | Fig.1          |
|                 | YSMA-38K15TDM  | 15               | 276  | 22.8                | 225            | 175 | 232 | M8                     | 4.8        | Fig.2          |
|                 | YSMA-38K20TDM  | 20               | 367  | 30.4                | 225            | 175 | 232 | M8                     | 5.2        | Fig.2          |
|                 | YSMA-38K25TDM  | 25               | 459  | 38.0                | 225            | 175 | 232 | M8                     | 5.5        | Fig.2          |
|                 | YSMA-38K30TDM  | 30               | 551  | 45.6                | 225            | 175 | 292 | M8                     | 7.0        | Fig.2          |
|                 | YSMA-38K40TDM  | 40               | 735  | 60.8                | 225            | 175 | 370 | M10                    | 9.0        | Fig.2          |
|                 | YSMA-38K50TDM  | 50               | 918  | 76.0                | 225            | 175 | 370 | M10                    | 12.0       | Fig.2          |
|                 | YSMA-38K60TDM  | 60               | 1102 | 91.2                | 225            | 175 | 450 | M12                    | 11.9       | Fig.2          |
|                 | YSMA-38K80TDM  | 80               | 1470 | 122                 | 225            | 175 | 590 | M12                    | 16.5       | Fig.2          |
| 440V            | YRMA-44K05TDM  | 5                | 69   | 6.56                | 205            | 75  | 235 | M5                     | 1.5        | Fig.1          |
|                 | YRMA-44K10TDM  | 10               | 137  | 13.1                | 205            | 75  | 235 | M5                     | 1.8        | Fig.1          |
|                 | YRMA-44K15TDM  | 15               | 206  | 19.7                | 205            | 75  | 235 | M5                     | 2.2        | Fig.1          |
|                 | YSMA-44K20TDM  | 20               | 274  | 26.2                | 225            | 175 | 232 | M8                     | 4.7        | Fig.2          |
|                 | YSMA-44K25TDM  | 25               | 343  | 32.8                | 225            | 175 | 232 | M8                     | 5.0        | Fig.2          |
|                 | YSMA-44K30TDM  | 30               | 411  | 39.4                | 225            | 175 | 232 | M8                     | 5.3        | Fig.2          |
|                 | YSMA-44K40TDM  | 40               | 548  | 52.5                | 225            | 175 | 300 | M10                    | 7.0        | Fig.2          |
|                 | YSMA-44K50TDM  | 50               | 685  | 65.6                | 225            | 175 | 300 | M10                    | 7.7        | Fig.2          |
|                 | YSMA-44K60TDM  | 60               | 822  | 78.7                | 225            | 175 | 370 | M10                    | 9.5        | Fig.2          |
|                 | YSMA-44K75TDM  | 75               | 1028 | 98.4                | 225            | 175 | 450 | M12                    | 11.9       | Fig.2          |
| 480V            | YRMA-48K05TDM  | 5                | 58   | 6.01                | 205            | 75  | 235 | M5                     | 1.6        | Fig.1          |
|                 | YRMA-48K10TDM  | 10               | 115  | 12.0                | 205            | 75  | 235 | M5                     | 2.0        | Fig.1          |
|                 | YRMA-48K15TDM  | 15               | 173  | 18.0                | 205            | 75  | 235 | M5                     | 2.2        | Fig.1          |
|                 | YSMA-48K20TDM  | 20               | 230  | 24.1                | 225            | 175 | 232 | M8                     | 5.0        | Fig.2          |
|                 | YSMA-48K25TDM  | 25               | 288  | 30.1                | 225            | 175 | 232 | M8                     | 5.4        | Fig.2          |
|                 | YSMA-48K30TDM  | 30               | 345  | 36.1                | 225            | 175 | 232 | M8                     | 5.6        | Fig.2          |
|                 | YSMA-48K40TDM  | 40               | 461  | 48.1                | 225            | 175 | 300 | M10                    | 7.4        | Fig.2          |
|                 | YSMA-48K50TDM  | 50               | 576  | 60.1                | 225            | 175 | 300 | M10                    | 7.6        | Fig.2          |
|                 | YSMA-48K60TDM  | 60               | 691  | 72.2                | 225            | 175 | 370 | M10                    | 9.5        | Fig.2          |
|                 | YSMA-48K75TDM  | 75               | 863  | 90.2                | 225            | 175 | 450 | M12                    | 11.7       | Fig.2          |
| 525V            | YSMA-48K80TDM  | 80               | 921  | 96.2                | 225            | 175 | 450 | M12                    | 12.0       | Fig.2          |
|                 | YSMA-48K100TDM | 100              | 1151 | 120                 | 225            | 175 | 520 | M12                    | 14.5       | Fig.2          |
|                 | YRMA-52K05TDM  | 5                | 48   | 5.50                | 205            | 75  | 235 | M5                     | 1.5        | Fig.1          |
|                 | YRMA-52K10TDM  | 10               | 96   | 11.0                | 205            | 75  | 235 | M5                     | 1.9        | Fig.1          |
|                 | YSMA-52K15TDM  | 15               | 144  | 16.5                | 225            | 175 | 232 | M8                     | 4.9        | Fig.2          |
|                 | YSMA-52K20TDM  | 20               | 192  | 22.0                | 225            | 175 | 232 | M8                     | 5.2        | Fig.2          |
|                 | YSMA-52K25TDM  | 25               | 241  | 27.5                | 225            | 175 | 232 | M8                     | 6.3        | Fig.2          |
|                 | YSMA-52K30TDM  | 30               | 289  | 33.0                | 225            | 175 | 292 | M8                     | 6.9        | Fig.2          |
|                 | YSMA-52K40TDM  | 40               | 385  | 44.0                | 225            | 175 | 292 | M8                     | 7.8        | Fig.2          |
|                 | YSMA-52K50TDM  | 50               | 481  | 55.0                | 225            | 175 | 370 | M10                    | 9.9        | Fig.2          |
| 525V            | YSMA-52K60TDM  | 60               | 577  | 66.0                | 225            | 175 | 440 | M10                    | 11.4       | Fig.2          |
|                 | YSMA-52K75TDM  | 75               | 722  | 82.5                | 225            | 175 | 520 | M12                    | 14.0       | Fig.2          |
|                 | YSMA-52K80TDM  | 80               | 770  | 88.0                | 225            | 175 | 520 | M12                    | 14.5       | Fig.2          |
|                 | YSMA-52K100TDM | 100              | 962  | 110                 | 225            | 175 | 590 | M12                    | 16.7       | Fig.2          |

[其他規格規範均可承製] Other specification available on request