MK-AS

Single-Phase Capacitors for Power Factor Correction



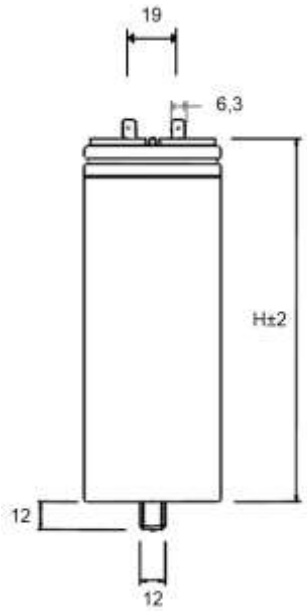
PERFORMANCE DATA

- **Tolerance on capacitance** -5% / +10%.
- **Rated frequency** 50 Hz (60 Hz on request)
- **Power supply** Single-phase
- **Voltage overload** 1.1 Un (max. 8 hrs. per 24)
- **Expected life** 80,000 / 130,000 hours

MK-AS capacitors are particularly suitable for **low-voltage** power factor correction. These cylindrical capacitors are manufactured with an aluminium housing. The construction features of the series make the MK-AS a component of excellent quality and reliability.
Supplied complete with fixing nut and discharge resistor

TECHNICAL DATA

Dielectric	Self-healing metallised polypropylene (MKP),
Case	Aluminium.
Execution	Vegetable oil, PCB-free. On request: dry type, resin.
Fixing	M12 stud. Nut and washer (included).
Degree of protection	IP 00.
Overvoltage and insulation test	2.15 Un / 10 seconds between terminal and terminal. 3000 Vac / 10 seconds between terminals and housing.
Dielectric loss	≤ 0.2 W / kvar.
Total capacitor losses	≤ 0.4 W / kvar.
Discharge resistor	Included (75V within 3')
Safety System	Over-pressure device
Thermal category	-25°C / D.
Working temperature	Maximum: +55°C. Daily average: +45°C Annual average: +35°C
Type of service	Continuous for indoor use.



QUALITY AND TESTING

Regulations IEC EN 60831-1 : 2015. IEC EN 60831-2 : 2015; certified by IMQ (V1927).

European Directives Low voltage: 2014/35/EC.

Testing Each condenser undergoes three quality checks during the production stages. Checks include measurement of capacitance, dissipation factor [tan(δ)], verification of insulation to earth and overvoltage resistance

STANDARD CONFIGURATIONS

Code	Power rated (kvar)	capacitance (µf)	rated voltage (Un)	Dimensions (D x H)	Fixing	Terminals
8490461	3,6	66,6	415	60 x 141	M12	Faston
8490581	6,7	124,0	415	60 x 185	M12	Faston
8490431	1,9	31,0	440	60 x 107	M12	Faston
8490465	3,3	55,0	440	60 x 131	M12	Faston
8490384	5,1	84,0	440	60 x 185	M12	Faston
8490492	5,6	92,0	440	65 x 185	M12	Faston
8490438	2,3	38,5	450	60 x 107	M12	Faston
8490487	4,9	77,0	450	60 x 107	M12	Faston
8490496	6,7	105,0	450	65 x 185	M12	Faston
8490639	3,0	38,5	500	65 x 107	M12	Faston
8490556	4,4	56,0	500	65 x 185	M12	Faston
8490577	6,0	77,0	500	65 x 185	M12	Faston
8490621	2,0	21,0	550	60 x 107	M12	Faston
8490650	4,7	50,0	550	65 x 185	M12	Faston

Series of **DMP** capacitors, which provide longer life due to **wave-cut** technology:

Code	Power rated (kvar)	capacitance (µf)	rated voltage (Un)	Dimensions (D x H)	Fixing	Terminals
8490540	3,66	38,5	550	65 x 107	M12	FD
8490766	6,33	66,6	550	65 x 185	M12	FD
8490767	7,32	77	550	65 x 185	M12	FD