

Medium voltage capacitor

Rated voltage(Un)	Three-phase 1-12Kv Single phase 1-24Kv
Output power (kVAR)	25-500kVAR three phase 25-600kVAR single phase
Frequency	50/60Hz
Maximum overvoltage	One +10% (hours in 24 hours per day) One +15% (30 minutes) One +20% (5 minutes) One +30% (1 minutes)
Overcurrent	1.3xIn
Power tolerance	-5/+10%
Test voltage (between terminals)	4.3xUn DC 10s 2.15xUn AC 10s
Test voltage (between terminals and container)	According to the table of the IEC standard for IEC for 10s
Inrush current limit	Max 100xIn
Dielectric loss	0.07 W/kVAR
Capacitor loss	0.15W/kVAR
Basic insulation level	20/60Kv ; 28/75Kv ; 38/95Kv ; 50/125kv ; 70/170kv
Service life	>100 000 hours
Protection level	IP00, interior and exterior
Temperature	-40°/50° Max /C
Cooling type	Natural
Humidity	95% Max
Mounting	Horizontal/ vertical
Mounting arrangement	Mounting support
Internal protective device	Internal fuse
Internal protection device	Pressure sensor, NO + NC contact (optional)
Container	Made of stainless steel
Dielectric	Polypropylene film
Terminal socket	Porcelain
Discharge resistance	Residual voltage supplied : 75V in 10 min
Standard references	IEC 60781-1 , IEC 60781-2 , IEC 593