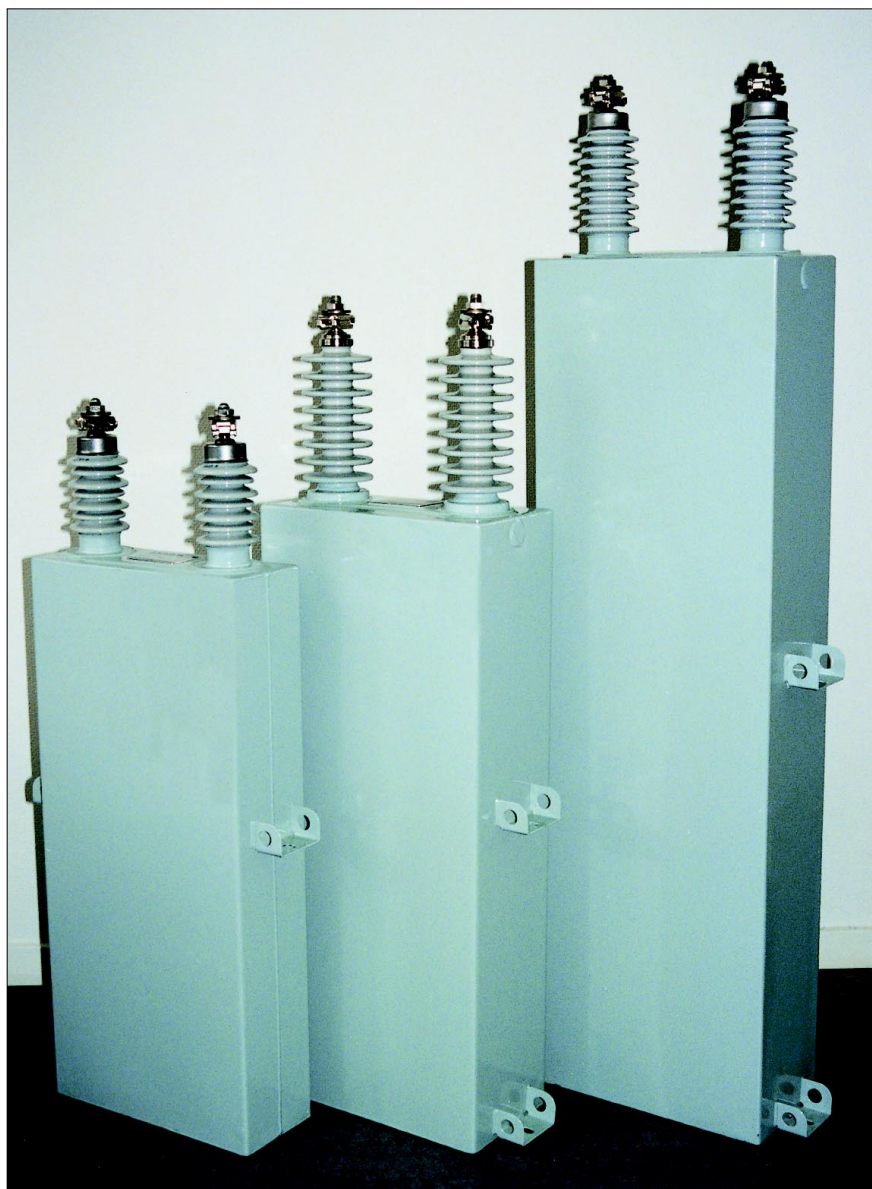


HiQ Capacitor Unit



General

The ABB capacitor unit type HiQ is designed for heavy-duty operation in Shunt, Harmonic Filter, Series Capacitor, SVC and HVDC applications in all climatic conditions. More than 150 000 units have been successfully supplied all over the world in the last decade.

HiQ is a single-phase power capacitor of all film type, with very low dielectric losses and long lifetime. The capacitors are impregnated with a bio-degradable, non-PCB fluid with a high insulation strength. The edges of the electrode foils are folded, enabling higher electrical stress. The ABB capacitor units have an extremely low failure rate and high reliability.

HiQ capacitor units are available with Internal or External Fuses or Fuseless.

Quality assurance and environment

ABB Capacitors is certified according to ISO 9001 (quality) and ISO 14001 (environment).

Standards IEC 60871
ANSI/IEEE Standard 18
VDE 0560 Part 410
(or other standards on request)

Technical data

Power Max. 1000/1200 kvar (50/60 Hz)
Voltage 1-20 kV
Current Max. 180 A
Dielectric Polypropylene film
Impregnant Faradol 600 (non-PCB)
Discharge resistor Built-in

Operating conditions

Temp. range -40/+40°C (other data on request)
Location Indoor or outdoor



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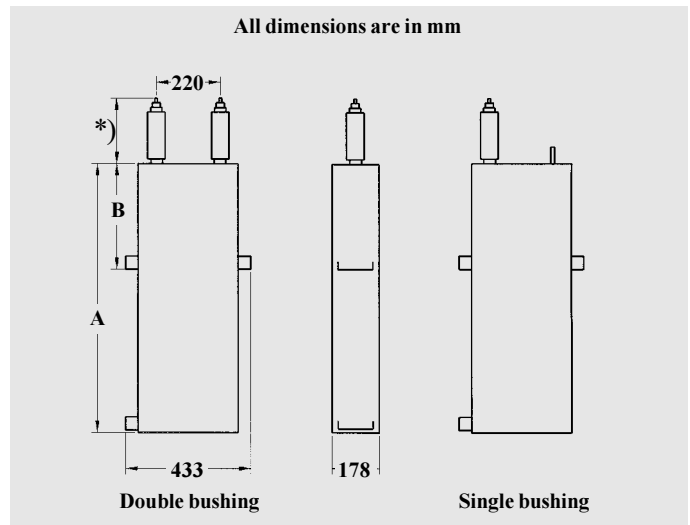
Capacitor container

Material Ferritic Stainless Steel
Surface treatment Mineral blasted surface, two layers of two-component paint
Colour Grey, Munsell 5BG 7/1
Fixing brackets One or two per side

Terminations

Bushings Porcelain, one or two. Standard grey colour
Terminals M16x2.0
Clamps Nickel-coated brass, max 2x70 mm²

Dimensions and data



*) 235 or 290 mm depending on bushing type BIL 75-95 or 125 kV

Size	A (mm)	B (mm)	Weight (kg)	Power (kvar)	
				(50 Hz)	(60 Hz)
220	240	140	23	155	185
330	295	140	28	220	260
440	345	140	32	270	325
550	405	190	39	310	370
660	460	190	44	360	430
770	525	350	49	410	490
880	635	350	59	540	645
990	695	350	63	595	715
130	750	350	67	660	790
140	820	370	73	725	870
160	920	320	82	800	960
180	1030	430	90	900	1080
200	1140	535	100	1000	1200

Technical data and design can be subject to change and should be confirmed before ordering.