

# High Voltage Power Capacitor HVUFB

Metal-enclosed capacitor bank suitable up to 12kV



## General

The ABB metal-enclosed capacitor bank type HVUFB is designed for individual power factor correction of induction motors where protection is provided by the motor fuses. It is also suitable for general power factor correction of electrical networks.

In motor applications, the HVUFB can be connected at either at the starter panel or directly to the terminals of the motor.

The HVFB capacitor bank is a compact design and comprises three-phase capacitor units connected in parallel or single-phase capacitor units connected in star/delta.

The capacitors are assembled on galvanised base channels and fitted with a zinc-sprayed steel terminal cover that suits bottom cable entry. The cover provides IP54 protection, which is suitable for indoor and outdoor application.

The HVFB capacitor banks enclosure has a maximum power rating of 1200kvar at 12kV. Higher ratings are available upon request.

## Quality assurance and environment

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

## Technical data

Power	Up to 1200kvar
Voltage range	Up to 12kV Special execution above 12kV
Frequency	50/60Hz
Insulation	28kVrms/75kVpk (BIL)
Temperature range	-40/+40°C
Location	Indoor or Outdoor
Altitude	≤ 1000m above sea level

## Dimension data (typical)

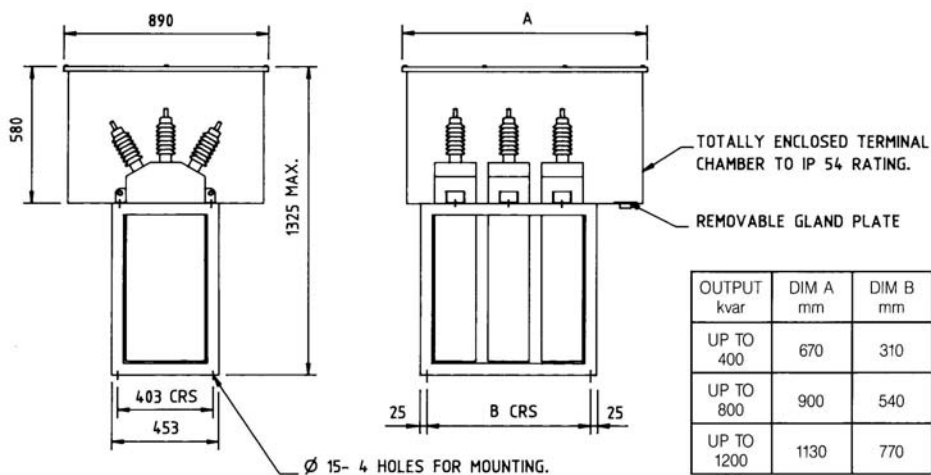


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## Enclosure data

Material	Zinc-sprayed mild steel
Thickness	2.0mm
Protection rating	IP54
Paint system	Powder coat
Colour	Storm grey N42 (AS 2700)
Finish	Stipple
Earthing	M12 earth stud
Electrical fixings	Stainless steel
Mechanical fixings	Brass or galvanised steel

## Capacitor

Dielectric	Polypropylene film
Impregnant	Jarylec 101 (non-PCB)
Container	Stainless steel, 304 high-grade
Bushings	Brown or grey porcelain
Colour	Storm grey N42 (AS 2700)
Finish	Matt
Discharge resistors	Built-in
Losses	≤ 0.15 W/kvar including resistors
Standards	IEC 60871, AS 2897 or other standards on request

## Cable entry

Standard cable entry is from the top of the enclosure. Bottom cable entry is only available for executions, which include one or two three-phase capacitors.

An optional side-mounted cable entry box is available on request. The cable entry box facilitates top and bottom cable entry.

Cable size (max.)	240mm <sup>2</sup> XLPE or PVC 185mm <sup>2</sup> PILC
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