

Technical Offer

Reference: -

Client: Inphase India
Air Coil(s), type Harmonic Filter

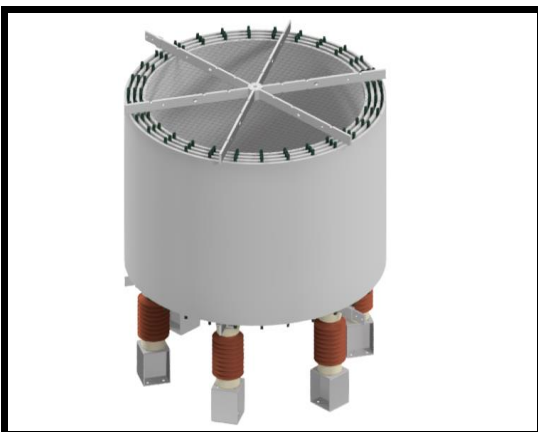


Electrical Characteristics

Nominal Inductance	72,0 mH
Nominal Impedance	27,1 Ω
Rated Voltage	34,5 kV
Basic Insulation Level (BIL)	200 kVp
Rated Frequency	60 Hz
Tuning Frequency	- Hz
Rated Current	200 A
Rated Short Time Current Thermal	1.3 / 1 kA/s
Mechanical Short Circuit Current	3.31 kAp
Losses per Phase at 75°C / Rated Current	12,9 kW
Q Factor at 75°C / Rated Frequency	77,6
Rated Power	1085,4 kVAr
Cooling	N.A.
Insulation Class	F: 155 °C

Dimensional

Air Coil Height Module	1204,5 mm
Air Coil Diameter	1437,3 mm
Foundation Diameter	1300,0 mm
Weight per Module	1199,0 kg
Total Weight	1307,0 kg



Note

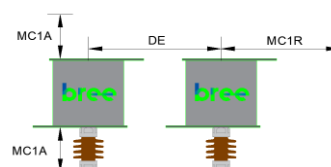
- 1 - Air Coil color - Ansi 70 Light Gray.
- 2 - Orientation design for proposal.
- 3 - Location of the terminals can be modified to meet the customer's specification.
- 4 - Dimensions in mm

Industry Electrical Testing

Applicable Standard	IEC-60076-6
→ Visual and dimensional.	
→ Measurement of ohmic resistance of the winding.	
→ Reactance measurement.	
→ Measurement of losses at room temperature.	
→ Measurement of inductance and quality factor at tuning frequency.	

Magnetic Clearance

Minimum Distance Between Air Coil Axes (DE)	2400 mm
Axial distance from the top / bottom ends to:	
→ Small metal parts not formed in closed loops (MC1A)	719 mm
Radial distance from the Air Coil centerline to:	
→ Small metal parts not forming closed loops (MC1R)	1581 mm



Environment

Installation	External
Maximum Altitude	1000 manm
Ambient Temperature	40 °C
Wind Speed	120 km/h

Support information

Insulators	Not included
Model:	6 x TR210
Type of Installation	Side-by-side

Package Dimensions

Package Contents	1 x Air Coil
L x W x H (cm) :	1437 x 1437 x 1204
Packing Type:	Crate
Gross weight (kg):	1348

Date: 22/12/2022

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Engineering

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