

## Technical Offer

Reference: -

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

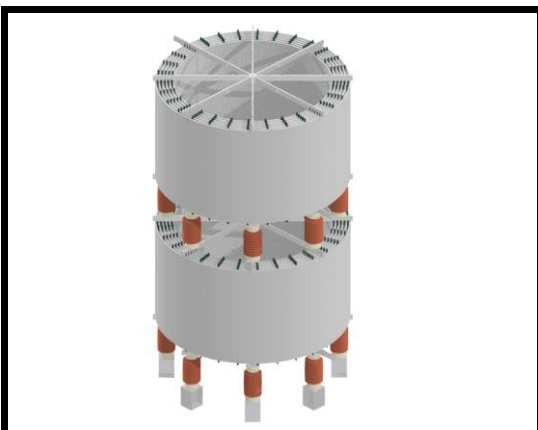


### Electrical Characteristics

Nominal Inductance	189,7 mH
Nominal Impedance	71,5 $\Omega$
Rated Voltage	34,5 kV
Basic Insulation Level (BIL)	200 kVp
Rated Frequency	60 Hz
Tuning Frequency	- Hz
Rated Current	251,6 A
Rated Short Time Current Thermal	0,5 / 1 kA/s
Mechanical Short Circuit Current	1,27 kAp
Losses per Phase at 75°C / Rated Current	36,1 kW
Q Factor at 75°C / Rated Frequency	117,5
Rated Power	2263,9 kVAr
Cooling	N.A.
Insulation Class	F: 155 °C

### Dimensional

Air Coil Height Module	1224,1 mm
Air Coil Diameter	1861,6 mm
Foundation Diameter	1750,0 mm
Weight per Module	2094,0 kg
Total Weight	4476,0 kg



### Note

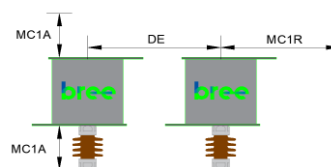
- 1 - Air Coil color - Ansi 70 Light Gray.
- 2 - Orientation design for proposal.
- 3 - Location of the terminals can be modified to meet the customer's specification.

### 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)	3109 mm
<b>Axial distance from the top / bottom ends to:</b>	
→ Small metal parts not formed in closed loops (MC1A)	931 mm
<b>Radial distance from the Air Coil centerline to:</b>	
→ Small metal parts not forming closed loops (MC1R)	2048 mm



### Environment

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

### Support information

Insulators	Not included
Model:	16 x TR210
Type of Installation	Side-by-side

### Package Dimensions

Package Contents	1 x Air Coil
L x W x H (cm) :	1861 x 1861 x 1224
Packing Type:	Crate
Gross weight (kg):	4692

Date: 22/12/2022

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Engineering

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