Technical Offer

Reference: -

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

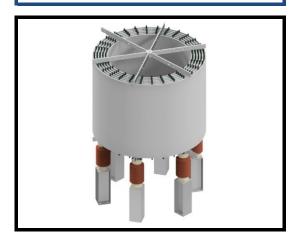


Electrical Characteristics

Nominal Inductance	36,0 m	iH
Nominal Impedance	11,3 Ω	
Rated Voltage	34.5 k\	V
Basic Insulation Level (BIL)	200 k	Vp
Rated Frequency	50 H	z
Tuning Frequency	- H	z
Rated Current	400 A	
Rated Short Time Current Thermal	2.4/1 k/	A/s
Mechanical Short Circuit Current	6.12 k/	Ар
Losses per Phase at 75°C / Rated Current	17,0 k\	W
Q Factor at 75°C / Rated Frequency	98,4	
Rated Power	1808,9 k	VAr
Cooling	N.A.	
Insulation Class	F: 155 °(С

Dimensional

Air Coil Height Module	1202,0 mm
Air Coil Diameter	1394,5 mm
Foundation Diameter	1300,0 mm
Weight per Module	1722,0 kg
Total Weight	1830,0 kg



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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.
- 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)

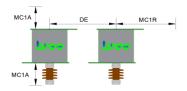
Axial distance from the top / bottom ends to:

→ Small metal parts not formed in closed loops (MC1A)

Radial distance from the Air Coil centerline to:

→ Small metal parts not forming closed loops (MC1R)

1534 mm



Environment

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	Installation	External	
	Maximum Altitude	1000 manm	
	Ambient Temperature	40 ℃	
	Wind Speed	120 km/h	
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Support information

ı	nsulators	Not included
1	Model:	6 x TR210
1	Type of Installation	Side-by-side

Package Dimensions

Package Contents 1 x Air Coil
L x W x H (cm): 1394 x 1394 x 1202
Packing Type: Crate
Gross weight (kg): 1923

Date: 22/12/2022