

Laboratory Psychrometric Lab, Amber Enterprises India Ltd., C-1, Phase-2,  
Focal Point, Rajpura, Patiala, Punjab

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6720

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Validity 26.11.2018 to 25.11.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**ELECTRICAL TESTING**

I.	DOMESTIC ELECTRICAL APPLIANCES			
1.	Air conditioners Split AC, Window AC, Variable capacity AC (Inverter AC), Ductable type air conditioner (CAC)	Power Consumption	IS 1391 (Part 1): 2017 Cl.10.8 IS 1391 (Part 2):2018 2013,Cl. 9.8 ISO 5151: 2017(E), Cl. 5.1 IS 8148:2003, RA 2013, Cl. 10.6	100 W to 5000 W
		Cooling Capacity	IS 1391 (Part 1): 2017 Cl.10.10 IS 1391 (Part 2):2018, Cl.9.9 ISO 5151: 2017(E), Cl. 5.1 UAE.S/ISO 5151: 2017, Cl.5.1	1700 W to 17500 W
		Capacity Rating	IS 8148:2003, RA 2013, Cl. 10.1	
		Heat Pump Heating Capacity	IS 1391 (Part 1): 2017, Cl.10.12 IS 1391 (Part 2):2018, CL.9.11	
		Maximum Operating Condition	IS 1391 (Part 1): 2017, Cl.10.4 IS 1391(Part 2): 2018, Cl.9.4	Qualitative
		Maximum Cooling Performance	ISO 5151: 2010(E), Cl. 5.2 UAE.S/ ISO 5151: 2017, Cl.5.2	Qualitative
	Freeze up	IS 1391 (Part 1): 2017, Cl.10.5 IS 1391 (Part 2):2018, Cl.9.5	Qualitative	

Nand Kumar  
Convenor

Battal Singh  
Program Director

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		Minimum cooling	IS 8148:2003, RA 2013, Cl. 10.3 ISO 5151: 2017(E) Cl. 5.3 & 5.4	
		Enclosure Sweat	IS 1391 (Part 1): 2017 Cl.10.6 IS 1391 (Part 2):2018,Cl.9.6 IS 8148:2003, RA 2013, Cl.10.4 ISO 5151: 2017(E), Cl. 5.5	Qualitative
		Condensate Disposal  Condensate Control and enclose sweat performance	IS 1391 (Part 1): 2017, Cl.10.7 IS 8148:2003, RA 2013 Cl. 10.5 ISO 5151: 2017(E),Cl. 5.5 UAE.S/ISO 5151:2017, Cl.5.5	Qualitative
		Noise	IS 1391(Part 1): 2017, Cl.10.11 IS 1391(Part 2): 2017, Cl. 9.10	35 dB to 130dB
		Room Discharge Air Flow Measurement	IS 1391 (Part 1): 2017, Cl. 14.4 IS 1391 (Part 2): 2017, Cl. 13.4	300 cmh to 10000 cmh
		Power Factor	IS 8148:2003, RA 2013, Cl.13.1 IS 1391 (Part 1): 2017, Cl.10.3 IS 1391 (Part 2): 2017, Cl. 9.3	0.70 to 0.99

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