National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LAB, HAVELLS INDIA LTD., SP 1-133, RIICO INDUSTRIAL AREA, GHILOTH, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8453 **Page No** 1 of 3

Validity 22/04/2021 to 21/04/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioner (Window Air Conditioners & Split Air Conditioner)	Condensate Control and Enclosure Sweat Performance Test	ISO 5151 (Clause 5.5)
2	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioner (Window Air Conditioners & Split Air Conditioner)	Cooling Capacity Test	ISO 5151 (Clause 5.1)
3	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioner (Window Air Conditioners & Split Air Conditioner)	Heating Capacity Test	ISO 5151 (Clause 6.1)
4	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioner (Window Air Conditioners & Split Air Conditioner)	Maximum Cooling Performance Test	ISO 5151 (Clause 5.2)
5	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioner (Window Air Conditioners & Split Air Conditioner)	Maximum Heating Performance Test	ISO 5151 (Clause 6.2)
6	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioner (Window Air Conditioners & Split Air Conditioner)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test	ISO 5151 (Clause 5.3)
7	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Power Factor Test	IS 1391 (Part 2, Clause 9.3) + A3
8	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Cooling Capacity Test	IS 1391 (Part 2, Clause 9.9) + A3
9	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Enclosure Sweat Test	IS 1391 (Part 2, Clause 9.6) + A3
10	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Freeze-Up Test	IS 1391 (Part 2, Clause 9.5) + A3
11	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Heat Pump Heating Capacity Test	IS 1391 (Part 2, Clause 9.11) + A3
12	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Heating by Heat Pump Overload Rating Test (Maximum Heating Performance Test)	IS 1391 (Part 2, Clause 8.2.2) + A3
13	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Maximum Operating Condition Test	IS 1391 (Part 2, Clause 9.4) + A3

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14	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Method of Measurement of ISEER	IS 1391 (Part 2, Clause 9.12) + A3
15	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Power Consumption Test for Cooling	IS 1391 (Part 2, Clause 9.7) + A3
16	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Power Consumption Test for Heating	IS 1391 (Part 2, Clause 9.8) + A3
17	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air conditioner	Standard Cooling Capacity Test	ISO 16358-1 (Clause 5.3.1)
18	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Condensate Disposal Test	IS 1391 (Part 1, Clause 10.7) + A3
19	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Enclosure Sweat Test	IS 1391 (Part 1, Clause 10.6) + A3
20	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Freeze-up Test	IS 1391 (Part 1, Clause 10.5) + A3
21	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Heat Pump Heating Capacity Test	IS 1391 (Part 1, Clause 10.12) + A3
22	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Heating by Heat Pump Overload Rating Test Condition (Maximum Heating Performance Test)	IS 1391 (Part 1, Clause 9.2.2) + A3
23	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air conditioner)	Maximum Operating Condition Test	IS 1391 (Part 1, Clause 10.4) + A3
24	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Method of Measurement of ISEER	IS 1391 (Part 1, Clause 9.13) + A3
25	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Power Consumption Test for Cooling	IS 1391 (Part 1, Clause 10.8) + A3
26	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air conditioner)	Power Consumption Test for Heating	IS 1391 (Part 1, Clause 10.9) + A3

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27	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioner)	Power Factor Test	IS 1391 (Part 1, Clause 10.3) + A3
28	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioners)	Cooling Capacity Rating Test	IS 1391 (Part 1, Clause 10.10) + A3