



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AC TESTING LAB, COTERD SOLUTIONS (OPC) PRIVATE LIMITED, BLOCK ECOTECH VI, PLOT NO -62, SECTOR ECOTECH VI, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-10143

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Validity

17/12/2023 to 16/12/2025

Last Amended on

02/03/2024

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	ELECTRICAL- SAFETY TESTING FACILITY	Ducted and Package Air-conditioners	Earth Resistance Test	IS 8148, Clause 12.2.6, 12.3.3(d)
2	ELECTRICAL- SAFETY TESTING FACILITY	Ducted and Package Air-conditioners	High Voltage (Electric Strength) Test	IS 8148, Clause 12.2.4, 12.3.3(c)
3	ELECTRICAL- SAFETY TESTING FACILITY	Ducted and Package Air-conditioners	Leakage Current Test	IS 8148, Clause 12.2.5, 12.3.3(b)
4	ELECTRICAL- SAFETY TESTING FACILITY	Ducted and Package Air-conditioners	Protection against the live part Test	IS 8148, Clause 12.3.3(a)
5	ELECTRICAL- SAFETY TESTING FACILITY	Room Air-conditioner (Unitary Type)	Earth Resistance Test	IS 1391 Part 1, Clause 16.2.5 & 16.3.3.(c)
6	ELECTRICAL- SAFETY TESTING FACILITY	Room Air-conditioner (Unitary Type)	High Voltage (Electric Strength) Test	IS 1391 Part 1, Clause 16.2.3 & 16.3.3.(b)
7	ELECTRICAL- SAFETY TESTING FACILITY	Room Air-conditioner (Unitary Type)	Leakage Current Test	IS 1391 Part 1, Clause 16.2.4 & 16.3.3.(d)
8	ELECTRICAL- SAFETY TESTING FACILITY	Room Air-conditioner (Unitary Type)	Protection against the live part Test	IS 1391 Part 1, Clause 16.3.3(a)
9	ELECTRICAL- SAFETY TESTING FACILITY	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Earth Resistance Test	IS 1391 Part 2, Clause 15.2.5 & 15.3.3.(c)
10	ELECTRICAL- SAFETY TESTING FACILITY	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	High Voltage (Electric Strength) Test	IS 1391 Part 2, Clause 15.2.3, 15.3.3(b)
11	ELECTRICAL- SAFETY TESTING FACILITY	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Leakage Current Test	IS 1391 Part 2, Clause 15.2.4 & 15.3.3.(d)
12	ELECTRICAL- SAFETY TESTING FACILITY	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Protection against the live part Test	IS 1391 Part 2, Clause 15.3.3.(a)
13	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Minimum Cooling Freeze Up Air Blockage Test	SASO ISO 5151, Clause 5.3
14	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Heating Capacity Test	IS 8148, Clause 9.1
15	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Automatic Defrost Performance Test	IS 8148, Clause 9.3
16	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Capacity Rating Test	IS 8148, Clause 8.1



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17	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Condensate Disposal Test	IS 8148, Clause 8.7
18	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Drip Test	IS 8148, Clause 8.5
19	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Enclosure Sweat Test	IS 8148, Clause 8.6
20	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Freeze up Tests	IS 8148, Clause 8.4
21	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	General (Construction)	IS 8148, Clause 4.1 to 4.14
22	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	General Running Test	IS 8148, Clause 12.2.1
23	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	ISEER Measurement	IS 8148, Clause 8.2, Annex.-F
24	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Maximum Cooling Condition Test	IS 8148, Clause 8.3
25	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Maximum Heating Performance Test	IS 8148, Clause 9.2
26	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Maximum Operating Condition / Maximum Cooling performance	IS 8148, Clause 10.2
27	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Power Consumption	IS 8148, Clause 8.8
28	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Pressure or Leakage Test	IS 8148, Clause 12.2.2
29	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Room Discharge Airflow Rating Test	IS 8148, Clause 12.3.1
30	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Safety Test	IS 8148, Clause 12.3.3



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31	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Salt Spray Test	IS 8148, Clause 4.2, 4.5
32	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-conditioners	Sound test	IS 8148, Clause 11.0
33	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Finned Type Heat Exchanger for Room Air Conditioner	Brust Test	IS 11329, Clause 7.3.1
34	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Finned Type Heat Exchanger for Room Air Conditioner	Fatigue Strength Test	IS 11329, Clause 7.3.2
35	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Finned Type Heat Exchanger for Room Air Conditioner	Internal Contamination Test	IS 11329, Clause 7.1.1
36	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Finned Type Heat Exchanger for Room Air Conditioner	Moisture Content Test	IS 11329, Clause 7.1.2
37	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Finned Type Heat Exchanger for Room Air Conditioner	Water Leak Test	IS 11329, Clause 7.2.1
38	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Heat Pump Heating Capacity	Heat Pump Heating Capacity	UAE.S/ISO 5151, Clause 6.1
39	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non Ducted Air conditioners and Heat Pumps	Minimum Cooling , Freeze up Air blockage and Drip Performance Test	GSO ISO 5151, Clause 5.3
40	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non Ducted Air Conditioners- Split, Cassette, Verticool, Window	Insulation Effective & Condensate Disposal Test	AHRI 210/240, Clause 8.5 & 8.6
41	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non Ducted Air Conditioners- Split, Cassette, Verticool, Window	Low Temperature Operation Test	AHRI 210/240, Clause 8.4
42	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non Ducted Air Conditioners- Split, Cassette, Verticool, Window	Maximum Operating Condition Test	AHRI 210/240, Clause 8.2
43	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non Ducted Air Conditioners- Split, Cassette, Verticool, Window	Standard Rating Test	AHRI 210/240 Clause 6.1
44	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non Ducted Air Conditioners- Split, Cassette, Verticool, Window	Voltage Tolerance Test	AHRI 210/240, Clause 8.3



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45	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Automatic Defrost Performance Test	GSO ISO 5151, Clause 6.4
46	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Automatic Defrost Performance Test	SASO ISO 5151, Clause 6.4
47	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Capacity rating	ISO 5151 , Cl. 5.1-T1 and T3
48	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Capacity Rating	SASO 2681, Clause 5.1-T1 and T3
49	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Condensate Control and Enclosure Sweat Performance	ISO 5151, Clause 5.5
50	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Condensate Control and Enclosure Sweat Performance	UAE.S/ISO 5151, Clause 5.5
51	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Condensate Control and Enclosure Sweat Performance Test	GSO ISO 5151, Clause 5.5
52	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Condensate Control and Enclosure Sweat Performance Test	SASO ISO 5151, Clause 5.5
53	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ducted Air-conditioners and Heat Pumps	Cooling Capacity Test	SASO 2681, Clause 5.1
54	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Cooling Capacity Test	UAE.S/ISO 5151, Clause 5.1
55	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Cooling Capacity Test	GSO ISO 5151 Clause 5.1
56	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Cooling Capacity Test	SASO ISO 5151, Clause 5.1
57	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Cooling Capacity Test	ISO 5151, Clause 5.1
58	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Freeze up Drip Performance Test	GSO ISO 5151, Clause 5.4



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59	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Freeze up Drip Performance Test	SASO ISO 5151, Clause 5.4
60	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	General Running Test	UAE.S/ISO 5151, Clause 6.2
61	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Heat Pump Heating Capacity	ISO 5151, Clause 6.1
62	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Heating Capacity Test	GSO ISO 5151, Clause 6.1
63	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Heating Capacity Test	SASO ISO 5151, Clause 6.1
64	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Cooling Performance	ISO 5151, Clause 5.2
65	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Cooling Performance	SASO 2681, Clause 5.2
66	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Cooling Performance	UAE.S/ISO 5151, Clause 5.2
67	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Cooling Performance Test	GSO ISO 5151, Clause 5.2
68	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Cooling Performance Test	SASO ISO 5151, Clause 5.2
69	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Heating Performance Test	GSO ISO 5151, Clause 6.2
70	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Heating Performance Test	ISO 5151, Clause 6.2
71	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Heating Performance Test	SASO ISO 5151, Clause 6.2
72	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Operating Condition /Maximum Cooling Performance	ISO 5151, Clause 5.2-T1 and T3



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73	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Operating Condition/ Maximum Cooling Performance	SASO 2681, Clause 5.2-T1 and T3
74	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Maximum Operating Condition/ maximum Cooling Performance	SASO 2681, Clause 6.2 T1 and T3
75	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Minimum Cooling , Freeze up Air blockage and Drip Performance Test	SASO ISO 5151, Clause 5.3
76	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Minimum Cooling, Freeze Up (Air Blockage & Drip) Test	ISO 5151, Clause 5.3
77	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Minimum Cooling, Freeze Up (Air Blockage & Drip) Test	UAE.S/ISO 5151, Clause 5.3
78	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Minimum Heating Performance Test	GSO ISO 5151, Clause 6.3
79	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Air-conditioners and Heat Pumps	Minimum Heating Performance Test	SASO ISO 5151, Clause 6.3
80	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	ROOM AIR CONDITIONERS (SPLIT AIR CONDITIONERS, CASSETTE TYPE, FLOOR STANDING TYPE AND WINDOW TYPE) (1.45kW to 10.50kW)	Active Mode	AHAM RAC-1, Clause 4.2,
81	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	ROOM AIR CONDITIONERS (SPLIT AIR CONDITIONERS, CASSETTE TYPE, FLOOR STANDING TYPE AND WINDOW TYPE) (1.45kW to 10.50kW)	Average Annual Energy Consumption	AHAM RAC-1,Clause 6.5
82	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	ROOM AIR CONDITIONERS (SPLIT AIR CONDITIONERS, CASSETTE TYPE, FLOOR STANDING TYPE AND WINDOW TYPE) (1.45kW to 10.50kW)	Electrical Input	AHAM RAC-1, Clause 6.2
83	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Condensate draining and Enclosure Sweat Test	EN 14511-1-2-3-4 (Air to Air cooling mode, EN 14511-4, Clause 4.7
84	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Freeze Up Test Cooling Mode	EN 14511-1-2-3-4 (Air to Air cooling mode, EN 14511-4, Clause 4.4
85	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	General (Clause 5.1) Test Conditions (Clause 5.2) Test Methods (Clause 5.3)	ISO 16358-1, Clause 5,
86	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Minimum Energy Performance Standard (MEPS)	SASO 2663, Clause 4



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87	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Annual Energy Consumption (AEC)	SASO 2663, Clause 3.1
88	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Condensate Control and Enclosure Sweat Performance Test	SASO 2681, Clause 5.5
89	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Condensate Control and Enclosure Sweat Performance Test	SASO ISO 5151, Clause 5.5
90	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Cooling Capacity Test	SASO 2681, Clause 5.1
91	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Cooling Capacity Test	SASO ISO 5151, Clause 5.1
92	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Cooling Capacity Test	KS 2463, Clause 4.1
93	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Enclosure Sweat & Condensate Disposal Test	KS 2463, Clause 4.4
94	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Minimum Cooling Freeze Up Air Blockage Test	SASO 2681, Clause 5.3
95	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air Conditioners (Split Air Conditioners, Cassette Type, Floor Standing Type and Window Type) (1.45kW to 10.50kW) (Inverter/Non-Inverter)	Minimum Cooling Test	KS 2463, Clause 4.5
96	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air- Conditioners (Unitary Type)	Air flow Measurement	IS 1391 Part 1, Clause 9.1.6, 14.0
97	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air- Conditioners (Unitary Type)	Heat Pump Heating Capacity	IS 1391 Part 1, Clause 9.2.1, 10.12
98	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air- Conditioners (Unitary Type)	ISEER Measurement	IS 1391 Part 1, Clause 9.3, 10.13. Annex.-j
99	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air- Conditioners (Unitary Type)	Maximum Heating Performance Test	IS 1391 Part 1, Clause 10.14, 9.2.2
100	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air- Conditioners (Unitary Type)	Safety Test for A3 refrigerant	IS 1391 Part 1, Clause 10.2



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101	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air- Conditioners (Unitary Type)	Sound Test	IS 1391 Part 1, Clause 10.11
102	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Air Flow Measurement	Cl. 9.9.4 (b), Annex F of IS 1391 (Part 2)
103	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Construction	Cl. 5 of IS 1391: (Part 2)
104	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Cooling Capacity Test	Cl. 8.1.1 & 9.9 of IS 1391 (Part 2)
105	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Enclosure Sweat Test	Cl. 8.1.4 & 9.6 of IS 1391 (Part 2)
106	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Freeze-Up Tests (Air blockage & Drip Test)	Cl. 8.1.3 & 9.5 of IS 1391 (Part 2)
107	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	General Running Test	Cl. 12.2.1 of IS 1391 (Part 2)
108	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Heating Capacity Test	Cl. 8.2.1 & 9.10 of IS 1391 (Part 2)
109	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	High Voltage Test	Cl. 12.2.3 & 12.3.3 (b) of IS 1391 (Part 2)
110	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Leakage Current Test	Cl. 12.2.4, 12.3.3 (d) & 12.4.3 of IS 1391 (Part 2)
111	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Maximum Heating Performance Test	Cl. 8.2.2 & 9.12 of IS 1391 (Part 2)
112	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Maximum Operating Conditions Test (for Cooling)	Cl. 8.1.2 & 9.4 of IS 1391 (Part 2)
113	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Maximum Operating Conditions Test (for Heating)	Cl. 8.2.2 & 9.4 of IS 1391 (Part 2)
114	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Method of Measurement of ISEER	Cl. 8.3, 9.11 & 10.3 of IS 1391 (Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AC TESTING LAB, COTERD SOLUTIONS (OPC) PRIVATE LIMITED, BLOCK ECOTECH VI, PLOT NO -62, SECTOR ECOTECH VI, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

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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
115	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Power Consumption Test for Cooling	Cl. 8.1.1 & 9.7 of IS 1391 (Part 2)
116	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Power Consumption Test for Heating by Heat Pump	Cl. 8.2.1 & 9.8 of IS 1391 (Part 2)
117	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Power Factor Test	Cl. 8.1.1 & 9.3 of IS 1391 (Part 2)
118	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Pressure Test or Leakage Test	Cl. 12.2.2 & 12.4.2 of IS 1391 (Part 2)
119	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Protection against access to the live part	Cl. 12.3.3 (a) of IS 1391 (Part 2)
120	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Provision for Earthing (Earth Resistance Test)	Cl. 12.2.5 & 12.3.3 (c) of IS 1391 (Part 2)
121	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Safety Test for A3 Refrigerant	Clause 9.2 of IS 1391 (Part 2)
122	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioners)	Sound Pressure Test	Cl. 9.13 of IS 1391 (Part 2)
123	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-Conditioners, Including High Wall, Low Wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Heating Performance Test	AS/NZS 3823.1.1, Clause 6.2
124	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-conditioner (Unitary Type)	Capacity Rating Test	IS 1391 Part 1, Clause 10.10
125	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-conditioner (Unitary Type)	Capacity Rating Test	IS 1391 Part 1, Clause 10.10
126	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Capacity Test	EN 14511-2, 3 & 4 (For EN 14511-2 clause 4.2 and for EN 14511-3 clause 4.1.2)
127	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Low Temperature Test and Freezing Draft Interference Test	JIS B 8615-1, Clause 5.3
128	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Condensate Control and Enclosure Sweat Performance Test	AS/NZS 3823.1.1, Clause 5.5



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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
129	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Condensate Control and Enclosure Sweat Performance Test	GB/T 7725(ISO 5151), Clause 5.5
130	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Condensate Disposal Test	SASO 385 (GS 1006), Clause 20
131	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Enclosure Sweat Test	SASO 2663, Clause 19
132	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Enclosure Sweat Test	SASO 385 (GS 1006), Clause 19
133	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Freeze-up Test	SASO 2663 Clause 18
134	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Freeze-up Test	SASO 385 (GS 1006), Clause 18
135	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test	SASO 2663, Clause 14
136	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Heating Capacity Test	ANSI/AHAM RAC-1, Clause 7.2
137	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test	EN 14511-2,3 & 4 (For EN 14511 -2 clause 4.2 & for EN 14511-3 clause 4.1.1
138	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test	SASO 385 (GS 1006), Clause 14
139	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (High H1)	AS/NZS 3823.1.1, Clause 6.1
140	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Cooling Performance Test	AS/NZS 3823.1.1, Clause 5.2
141	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Maximum Cooling Performance Test	GB/T 7725(ISO 5151), Clause 5.2
142	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Maximum Operating Condition Test	SASO 2663, Clause 12



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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
143	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Maximum Operating Condition Test.	SASO 385 (GS 1006), Clause 12
144	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test	AS/NZS 3823.1.1, Clause 5.3
145	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test .	GB/T 7725(ISO 5151), Clause 5.3
146	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Sound Test	SASO 2663, Clause 23
147	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Sound Test	SASO 385 (GS 1006), Clause 23
148	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Test for Electric Power Consumption and Power Factor for Heating	SASO 2663, Clause 15, 15.2
149	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Test for Electric Power Consumption and Power Factor for Heating	SASO 385 (GS 1006), Clause 15, 15.2
150	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Condensate Treatment and Exposure Test	JIS B 8615-1, Clause 5.5
151	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Capacity Test	AS/NZS 3823.1.1, Clause 5.1
152	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Capacity Test	GB/T 7725(ISO 5151), Clause 5.1
153	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Capacity Test	JIS B 8615, Clause 5.1
154	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Overload Test	JIS B 8615-1, Clause 5.2
155	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Electrical Input Test for cooling	ANSI/AHAM RAC-1, Clause 6.2
156	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Test for Electric Power Consumption and Power Factor for cooling	SASO 2663, Clause 15, 15.1



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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
157	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Test for Electric Power Consumption and Power Factor for cooling	SASO 385 (GS 1006), Clause15, 15.1
158	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split).	Cooling Capacity Test	SASO 2663, Clause 13
159	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split).	Cooling Capacity Test	SASO 385 (GS 1006),, Clause 13
160	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & heat pumps)	Condensate Disposal Test	SASO 2663, Clause 20
161	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test	UAE.S GSO 1006, Clause 13
162	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Enclosure Sweat Test	UAE.S GSO 1006, Clause 19
163	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air - conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Freeze Up and Drip Test	UAE.S GSO 1006, Clause 18
164	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air-conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Condensate Disposal Test	ANSI/AHAM RAC-1, Clause 6.15
165	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air-conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Enclosure Sweat Test	ANSI/AHAM RAC-1, Clause 6.14
166	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air-conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Evaporator Air Blockage Test	ANSI/AHAM RAC-1, Clause 6.13.1
167	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air-conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Freeze-up Test	ANSI/AHAM RAC-1, Clause 6.13
168	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air-conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Operating Condition Test (Cooling)	ANSI/AHAM RAC-1, Clause 6.12
169	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Window Air-conditioners & Split Airconditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Operating Condition Test (Heating)	ANSI/AHAM RAC-1, Clause 7.5
170	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Consumption	IS 1391 Part 1, Clause 10.9



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171	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Consumption	IS 1391 Part 1, Cl.10.8
172	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Air Flow Measurement	Cl. 9.10.4 (b), Annex F of IS 1391 (Part 1)
173	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Condensate Disposal	IS 1391 Part 1: Clause 10.7
174	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Condensate Disposal Test	Clause 8.1.5 & 9.7 of IS 1391 (Part 1)
175	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Construction	Cl. 5 of IS 1391: (Part 1)
176	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Cooling Capacity Test	Cl. 8.1.1 & 9.10 of IS 1391 (Part 1)
177	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Enclosure Sweat Test	Cl. 8.1.4 & 9.6 of IS 1391 (Part 1)
178	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Enclosure Sweat Test	IS 1391 Part 1, Clause 10.6
179	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Freeze up Tests	IS 1391 Part 1, Clause 10.5
180	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Freeze-Up Tests (Air blockage & Drip Test)	Cl. 8.1.3 & 9.5 of IS 1391 (Part 1)
181	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	General Running Test	Cl. 12.2.1 of IS 1391 (Part 1)
182	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	General Running Test	IS 1391 Part 1, Clause 16.2.1
183	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Heat Pump Heating Capacity Test	IS 1391 Part 1, Clause 10.12
184	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Heating Capacity Test	Cl. 8.2.1 & 9.11 of IS 1391 (Part 1)



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185	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	High Voltage Test	Cl. 12.2.3 & 12.3.3 (b) of IS 1391 (Part 1)
186	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Leakage Current Test	Cl. 12.2.4, 12.3.3 (d) & 12.4.3 of IS 1391 (Part 1)
187	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Maximum Heating Performance Test	Cl. 8.2.2 & 9.13 of IS 1391 (Part 1)
188	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Maximum Operating Conditions Test (for Cooling)	Cl. 8.1.2 & 9.4 of IS 1391 (Part 1)
189	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Maximum Operating Conditions Test (for Heating)	Cl. 8.2.2 & 9.4 of IS 1391 (Part 1)
190	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Maximum Operating Test Conditions	IS 1391 Part 1, Clause 10.4
191	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Method of Measurement of ISEER	Cl. 8.3, 9.12 & 10.3 of IS 1391 (Part 1)
192	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Consumption	IS 1391 Part 1, Cl.10.8
193	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Consumption	IS 1391 Part 1, Clause 10.9
194	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Consumption Test for Cooling	Cl. 8.1.1 & 9.8 of IS 1391 (Part 1):
195	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Consumption Test for Heating by Heat Pump	Cl. 8.2.1 & 9.9 of IS 1391 (Part 1)
196	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Factor	IS 1391 Part 1, Clause 10.3
197	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Power Factor Test	Cl. 8.1.1 & 9.3 of IS 1391 (Part 1)
198	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Pressure or Leakage Test	IS 1391 Part 1, Clause 16.2.2



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SCOPE OF ACCREDITATION

Laboratory Name :

AC TESTING LAB, COTERD SOLUTIONS (OPC) PRIVATE LIMITED, BLOCK ECOTECH VI, PLOT NO -62, SECTOR ECOTECH VI, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-10143

Page No

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Validity

17/12/2023 to 16/12/2025

Last Amended on

02/03/2024

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
199	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Pressure Test or Leakage Test	Cl. 12.2.2 & 12.4.2 of IS 1391 (Part 1)
200	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Protection against access to the live part	Cl. 12.3.3 (a) of IS 1391 (Part 1)
201	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Provision for Earthing (Earth Resistance Test)	Cl. 12.2.5 & 12.3.3 (c) of IS 1391 (Part 1)
202	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Safety Test for A3 Refrigerant	Clause 9.2 of IS 1391 (Part 1)
203	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioners (Unitary Type)	Sound Pressure Test	Cl. 9.14 of IS 1391 (Part 1)
204	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Air flow measurement	IS 1391 Part 2, Clause 13.0
205	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Capacity Rating Test	IS 1391 Part 2, Clause 9.9
206	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Cooling Capacity/ Capacity Rating	IS 1391 Part 2, Clause 9.9
207	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Cooling Capacity/ Capacity Rating	IS 1391 Part 2, Clause 9.9
208	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Enclosure Sweat Test	IS 1391 Part 2, Clause 9.6
209	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Freeze up Tests	IS 1391 Part 2, Clause 9.5
210	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	General Running Test	IS 1391 Part 2, Clause 15.2.1
211	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Heat Pump Heating Capacity	IS 1391 Part 2, Clause 9.11
212	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Heat Pump Heating Capacity	IS 1391 Part 2, Clause 9.11



National Accreditation Board for Testing and Calibration Laboratories

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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
213	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	ISEER Measurement	IS 1391 Part 2, Clause 9.12, 8.3 & Annex. - J
214	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Maximum Heating Performance Test	IS 1391 Part 2, Clause 8.2.2,9.13
215	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Maximum Operating Test Conditions	IS 1391 Part 2, Clause 9.4
216	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Power Consumption	IS 1391 Part 2, Clause 9.7
217	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Power Consumption	IS 1391 Part 2, Clause 9.7
218	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Power Consumption	IS 1391 Part 2, Clause 9.8
219	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Power Consumption	IS 1391 Part 2, Clause 9.8
220	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Power Factor	IS 1391 Part 2, Clause 9.3
221	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Pressure or Leakage Test	IS 1391 Part 2, Clause 15.2.2
222	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Safety Test for A3 refrigerant	IS 1391 Part 2, Clause 9.2
223	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split Air-Conditioners covering Floor Standing, Cassette and Inverter types	Sound Test	IS 1391 Part 2, Clause 9.10, 14.3