National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SIERRA AIRCON PVT. LTD., C-470, PIONEER INDL. PARK, P.O. PATHREDI, BILASPUR-TAURU ROAD, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5320	**Page No**	1 of 9
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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
Permanent Facility				
1	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioner including High wall, Low wall, Floor Standing, Ceiling split & Heat Pumps)	General Running Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 15.2.1)
2	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioner including High wall, Low wall, Floor Standing, Ceiling split & Heat Pumps)	Leakage Current Test / Electrical Leakage Current at Operating Temperature.	IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 15.2.4 & 15.3.3(d))
3	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioner including High wall, Low wall, Floor Standing, Ceiling split & Heat Pumps)	Provision for Earthing (Earth Resistance Test)	IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 15.2.5, 15.3.3 (c))
4	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air Conditioner including High wall, Low wall, Floor Standing, Ceiling split & Heat Pumps)	Safety Test for A3 refrigerant	IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 9.2)
5	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Overload Rating Test (Heat Pump)	"IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.2.2). (By Balanced ambient calorimeter method and Enthalpy method)"
6	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Power Consumption Test for Heating	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 9.8). (By Balanced Ambient Calorimeter method)
7	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Power Factor Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 9.3). (By Balanced ambient calorimeter method and Enthalpy method)
8	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause no.8.1.1, 9.9). (By Balanced Ambient Calorimeter method)
9	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Enclosure Sweat Test	"IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.1.4, 9.6). (By Balanced ambient calorimeter method and Enthalpy method)"
10	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Freeze-Up Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.1.3, 9.5). (By Balanced ambient calorimeter method and Enthalpy method)

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11	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heat Pump Heating Capacity Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.2.1, 9.11). (By Balanced Ambient Calorimeter method)
12	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heat Pump Heating Capacity Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.2.1, 9.11). (By Enthalpy method)
13	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Operating Condition Test for cooling.	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.1.2, 9.4). (By Balanced ambient calorimeter method and Enthalpy method)
14	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Sound Test	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 14.3, 9.10).
15	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps).	Power Consumption Test for heating.	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 9.8). (By Enthalpy method)
16	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Power Consumption Test for Cooling	"IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 9.7). (By Enthalpy method)"
17	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Power Consumption Test for Cooling	IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 9.7). (By Balanced ambient calorimeter method)
18	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Standard Cooling Capacity Test	"ISO 16358-1 up to Amendment No. 1 (Clause no. 5.2 and Clause no. 5.3.1). (By Balanced ambient calorimeter method)"
19	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air-conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split)	Cooling Capacity Test	"IS 1391 (Part 2) up to Amendment No. 4 (Clause no. 8.1.1, 9.9). (By Enthalpy method)"
20	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)	High Voltage Test / Electric Strength Test	"IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 15.2.3 & 15.3.3 (b))"
21	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)	Pressure Test or Leakage Test	"IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 15.4.2)"

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22	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)	Protection against access to the live part	"IS 1391 (Part 2) up to Amendment No. 4 (Clause No. 15.3.3 (a))"
23	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 & Heat Pumps)	Maximum Heating Performance Test	"AS/NZS 3823.1.1 (Clause no. 6.2). (By Balanced ambient calorimeter method)."
24	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 & Heat Pumps)	Condensate Control and Enclosure Sweat Performance Test	"AS/NZS 3823.1.1 (Clause no. 5.5). (By Balanced ambient calorimeter method)."
25	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 & heat pumps)	Condensate Control and Enclosure Sweat Performance Test	"GB/T 7725(ISO 5151) (Clause no. 5.5). (By Balanced ambient calorimeter method)."
26	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 & heat pumps)	Condensate Disposal Test	"SASO 385 (GS 1006), SASO 2663 (Clause no. 20) (By Balanced ambient calorimeter method)."
27	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 & Heat Pumps)	Electrical Input Test (Heat Pump).	"ANSI/AHAM RAC-1(Clause no. 7.3) (By Balanced ambient calorimeter method)"
28	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 & heat pumps)	Enclosure Sweat Test	"SASO 385 (GS 1006), SASO 2663 (Clause no. 19) (By Balanced ambient calorimeter method)."
29	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 & heat pumps)	Freeze-up Test	"SASO 385 (GS 1006), SASO 2663 (Clause no. 18) (By Balanced ambient calorimeter method)."
30	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 & Heat Pumps)	Heating Capacity Test	"ANSI/AHAM RAC-1 (Clause no. 7.2) (By Balanced ambient calorimeter method)"
31	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 & Heat Pumps)	Heating Capacity Test	"ASHRAE 16 (Clause no. 8.6) (By Balanced ambient calorimeter method)"
32	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 & Heat Pumps)	Heating Capacity Test	"EN 14511-2,3 & 4 (For EN 14511 -2 clause no. 4.2 & for EN 14511-3 clause no. 4.1.1) (By Balanced ambient calorimeter method)"
33	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 & Heat Pumps)	Heating Capacity Test	"SASO 385 (GS 1006), SASO 2663 (Clause no. 14) (By Balanced ambient calorimeter method)"

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34	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 & Heat Pumps)	Heating Capacity Test (High H1)	"AS/NZS 3823.1.1 (Clause no. 6.1) (By Balanced ambient calorimeter method)."
35	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 & Heat Pumps)	Heating Capacity Test (High H1)	"UAE.S/ISO 5151, UAE.S 5010-1 (Clause no. 6.1) (By Balanced ambient calorimeter method)."
36	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 & Heat Pumps)	Maximum Cooling Performance Test	"AS/NZS 3823.1.1 (Clause no. 5.2). (By Balanced ambient calorimeter method)."
37	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 & heat pumps)	Maximum Cooling Performance Test.	"GB/T 7725(ISO 5151) (Clause no. 5.2) (By Balanced ambient calorimeter method)."
38	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 & heat pumps)	Maximum Operating Condition Test.	"SASO 385 (GS 1006), SASO 2663 (Clause no. 12) (By Balanced ambient calorimeter method)."
39	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 & Heat Pumps)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test	"AS/NZS 3823.1.1 (Clause no. 5.3). (By Balanced ambient calorimeter method)."
40	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 & heat pumps)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test .	"GB/T 7725(ISO 5151) (Clause no. 5.3) (By Balanced ambient calorimeter method)."
41	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 & heat pumps)	Sound Test	"SASO 385 (GS 1006), SASO 2663 (Clause no. 23) (By Balanced ambient calorimeter method)."
42	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 & Heat Pumps)	Test for Electric Power Consumption and Power Factor for Heating	"SASO 385 (GS 1006), SASO 2663 (Clause no. 15, 15.2) (By Balanced ambient calorimeter method)"
43	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	"AS/NZS 3823.1.1 (Clause no. 5.1) (By Balanced ambient calorimeter method)"
44	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	"GB/T 7725(ISO 5151) (Clause no. 5.1) (By Balanced ambient calorimeter method)"
45	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)	Test for Electric Power Consumption and Power Factor for cooling	"SASO 385 (GS 1006), SASO 2663 (Clause no. 15, 15.1) (By Balanced ambient calorimeter method)"

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46	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)	Condensate Treatment and Exposure Test	"JIS B 8615-1 (Clause no. 5.5) (By Balanced ambient calorimeter method)"
47	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 no. 4.2 and for EN 14511-3 clause no. 4.1.2) (By Balanced ambient calorimeter method)"
48	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	"JIS B 8615 (Clause no. 5.1) (By Balanced ambient calorimeter method)"
49	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	"UAE.S/ISO 5151, UAE.S 5010-1 (Clause no. 5.1) (By Balanced ambient calorimeter method)"
50	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	"ANSI/AHAM RAC-1 (Clause no. 6.1) (By Balanced ambient calorimeter method)"
51	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 no. 5.3) (By Balanced ambient calorimeter method)"
52	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 Overload Test	"JIS B 8615-1 (Clause no. 5.2) (By Balanced ambient calorimeter method)"
53	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)	Electrical Input Test for cooling	"ANSI/AHAM RAC-1 (Clause no. 6.2) (By Balanced ambient calorimeter method)"
54	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	"SASO 385 (GS 1006), SASO 2663 (Clause no. 13) (By Balanced ambient calorimeter method)"
55	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 & Heat Pumps)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test	"ISO 5151 up to Amendment No. 1 (Clause no. 5.3) (By Balanced ambient calorimeter method)"
56	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 & Heat Pumps)	Condensate Control and Enclosure Sweat Performance Test	"ISO 5151 up to Amendment No. 1 (Clause no. 5.5) (By Balanced ambient calorimeter method)"
57	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 & Heat Pumps)	Condensate Control and Enclosure Sweat Performance Test	"UAE.S/ISO 5151, UAE.S 5010-1 (Clause no. 5.5) (By Balanced ambient calorimeter method)"

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58	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 & Heat Pumps)	Heating Capacity Test (High H1)	"ISO 5151 up to Amendment No. 1 (Clause no. 6.1) (By Balanced ambient calorimeter method)"
59	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 & Heat Pumps)	Maximum Cooling Performance Test	"ISO 5151 up to Amendment No. 1 (Clause no. 5.2) (By Balanced ambient calorimeter method)"
60	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 & Heat Pumps)	Maximum Cooling Performance Test	"UAE.S/ISO 5151, UAE.S 5010-1 (Clause no. 5.2) (By Balanced ambient calorimeter method)"
61	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 & Heat Pumps)	Maximum Heating Performance Test	"ISO 5151 up to Amendment No. 1 (Clause no. 6.2) (By Balanced ambient calorimeter method)"
62	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 & Heat Pumps)	Maximum Heating Performance Test	"UAE.S/ISO 5151, UAE.S 5010-1 (Clause no. 6.2). (By Balanced ambient calorimeter method)"
63	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 & Heat Pumps)	Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test	"UAE.S/ISO 5151, UAE.S 5010-1 (Clause no. 5.3) (By Balanced ambient calorimeter method)"
64	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	"ASHRAE 16 (Clause no. 8.5) (By Balanced ambient calorimeter method.)"
65	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	"ISO 5151 up to Amendment No. 1 (Clause no. 5.1) (By Balanced ambient calorimeter method)."
66	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 & Heat Pumps)	Enclosure Sweat Test	"ANSI/AHAM RAC-1: (Clause no. 6.14) (By Balanced ambient calorimeter method.)"
67	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 & Heat Pumps)	Evaporator Air Blockage Test	"ANSI/AHAM RAC-1 (Clause no. 6.13.1) (By Balanced ambient calorimeter method.)"
68	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 & Heat Pumps)	Condensate Disposal Test	"ANSI/AHAM RAC-1 (Clause no. 6.15) (By Balanced ambient calorimeter method.)"
69	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 & Heat Pumps)	Freeze-up Test	"ANSI/AHAM RAC-1 (Clause no. 6.13) (By Balanced ambient calorimeter method.)"

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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
70	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 & Heat Pumps)	Maximum Operating Condition Test (Cooling)	"ANSI/AHAM RAC-1 (Clause no. 6.12) (By Balanced ambient calorimeter method.)"
71	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 & Heat Pumps)	Maximum Operating Condition Test (Heating)	"ANSI/AHAM RAC-1 (Clause no. 7.5) (By Balanced ambient calorimeter method.)"
72	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioners)	General Running Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause No. 16.2.1) "
73	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioners)	High Voltage Test / Electric Strength Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause No. 16.2.3 & 16.3.3 (b)) "
74	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioners)	Pressure Test or Leakage Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause No. 16.4.2)"
75	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air Conditioners)	Safety Test for A3 refrigerant	"IS 1391 (Part 1) up to Amendment No. 4 (Clause No. 10.2)"
76	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioner (Window Air-Conditioners)	Provision For Earthing (Earth Resistance Test)	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 16.2.5 & 16.3.3 (c))"
77	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Heat Pump Heating Capacity Test .	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.1.1, 10.12) (By Enthalpy method.)."
78	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Power Consumption Test for Cooling	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.8). (By Balanced ambient calorimeter method)."
79	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Power Consumption Test for Cooling.	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.8). (By Enthalpy method.)."
80	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Power Consumption Test for Heating	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.9). (By Enthalpy method.)."
81	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Heat Pump Heating Capacity Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.2.1, 10.12). (By Balanced ambient calorimeter method)."

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82	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Maximum Operating Condition Test for Cooling.	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.1.2, 10.4) (By Balanced ambient calorimeter method and Enthalpy method)."
83	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Power Factor Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.3) (By Balanced ambient calorimeter method and Enthalpy method)."
84	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Air-Flow Quantities Measurement.	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.1.6 and Clause no. 14)
85	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Condensate Disposal Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.7) (By Balanced ambient calorimeter method and Enthalpy method)."
86	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Cooling Capacity Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.1.1, 10.10) (By Balanced ambient calorimeter method)."
87	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Cooling Capacity Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.2.1, 10.10) (By Enthalpy method.)."
88	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Enclosure Sweat Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.1.4, 10.6) (By Balanced ambient calorimeter method and Enthalpy method)."
89	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Freeze-up Test	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.1.3, 10.5). (By Balanced ambient calorimeter method and Enthalpy method)."
90	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Overload Rating Test (Heat Pump)	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 9.2.2) (By Balanced ambient calorimeter method and Enthalpy method)."

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
91	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Power Consumption Test for Heating	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.9) (By Balanced ambient calorimeter method)."
92	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-conditioner)	Sound Test.	"IS 1391 (Part 1) up to Amendment No. 4 (Clause no. 10.11) (By Balanced ambient calorimeter method and Enthalpy method)."
93	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-Conditioners)	Leakage Current Test / Electrical leakage current at operating temperature	"IS 1391 (Part 1) up to Amendment No. 4 (Clause No. 16.2.4 & 16.3.3 (d))"
94	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air-Conditioner (Window Air-Conditioners)	Protection against access to the live part	"IS 1391 (Part 1) up to Amendment No. 4 (Clause No. 16.3.3 (a))"