National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INTEGRATED SOLUTIONS TESTING CENTER, EMERSON CLIMATE TECHNOLOGIES (INDIA) PRIVATE LIMITED, KARAD-DHEBEWADI ROAD, KARAD, SATARA, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8338 **Page No** 1 of 4

Validity 12/02/2023 to 11/02/2025 **Last Amended on** 28/02/2023

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)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Cooling Capacity Ratings	UAE.S./GSO ISO13253 - Clause 4.1
2	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Enclosure Sweat Test	IS 1391 PART 2 - Clause 9.6
3	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Enclosure Sweat Test	IS 8148-Clause 8.6
4	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Freeze up drip Test	ISO 15042 Clause 6.4
5	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Freeze Up drip performance Test	SASO 2681 Clause 5.4
6	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Freeze Up Test	IS 1391 PART1 - Clause 10.5
7	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Freeze Up Test	IS 8148 - Clause 8.4
8	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Freeze Up Tests	IS 1391 PART 2 - Clause 9.5
9	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Maximum Cooling Conditions Test	IS 8148 - Clause 8.3
10	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Maximum Cooling Performance Test	ISO 5151, Clause 5.2
11	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Maximum Operating Conditions Test	IS 1391 PART1 - Clause 10.4
12	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Minimum Cooling Performance Test	ISO 13253 - Clause 6.3
13	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Minimum Cooling Performance Test	SASO 2682 - Clause 6.3

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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
14	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Minimum Cooling Test	ISO 15042 - Clause 6.3
15	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Minimum Cooling Test	UAE.S./GSO ISO13253 - Clause 4.3
16	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Minimum Cooling, Freeze up air Blockages and Freeze up Drip Performance Tests	SASO 2681- Clause 5.3
17	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System	Minimum Heating Performance test	ISO 5151 Clause 6.3
18	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Maximum Heating Performance test	ISO 5151 Clause 6.2
19	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	MEPS for Electrically Operated Unitary Air Conditioners (Air Conditioners - Air Cooled Only)	SASO 2874 - Clause 5.2
20	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Capacity Rating Test	IS 8148 Clause 8.1
21	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Condensate Control and Enclosure Sweat Performance Test	ISO 13253 - Clause 6.4
22	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Condensate Control and enclosure sweat performance test	ISO 5151 Clause 5.5
23	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Condensate Control and Enclosure Sweat Performance Test	SASO 2681 Clause 5.5
24	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Condensate Control and enclosure sweat performance test	SASO 2682 - Clause 6.4
25	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Condensate Control test and Enclosure Sweat Test	ISO 15042-Clause 6.5
26	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Condensate Disposal Test	IS 8148 - Clause 8.7
27	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Rating Test	UAE.S.5010-1 Clause 4.1

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28	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Test	IS 1391 PART 1 - Clause 10.10
29	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Test	IS 1391 PART 2 - Clause 9.9
30	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Test	ISO 15042-- Clause 6.1
31	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Test	ISO 5151 - Clause 5.1
32	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Test	SASO 2681 - Clause 5.1
33	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Tests	ISO 13253 - Clause 6.1
34	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Cooling Capacity Tests	SASO 2682 - Clause 6.1
35	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Drip Test	IS 8148 Clause 8.5
36	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Enclosure Sweat and Condensate Disposal Test	UAE.S./GSO ISO13253 - Clause 4.4
37	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Enclosure Sweat Test	IS 1391 PART1 - Clause 10.6
38	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Energy Labeling and Minimum Energy performance Requirement for Air Conditioners	QS SASO 2663 Clause - 5.0
39	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Freeze-up drip performance test	ISO 5151 - Clause 5.4
40	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Heat Pump Heating Capacity Test	IS 1391 PART 2 - Clause 9.11

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41	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Heating Capacity Tests	ISO 5151 - Clause 6.1
42	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Maximum Cooling Performance Test	ISO 13253 - Clause 6.2
43	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Maximum Cooling Performance Test	SASO 2681 - Clause 5.2
44	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Maximum Cooling Performance Test	SASO 2682 - Clause 6.2
45	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Maximum Cooling Test	UAE.S./GSO ISO13253 - Clause 4.2
46	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Maximum Operating Conditions Test	IS 1391 PART 2 - Clause 9.4
47	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Power Consumption Test	IS 8148 - Clause 8.8
48	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Power Consumption Test for Cooling	IS 1391 PART 1 - Clause 10.8
49	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System)	Power Consumption Test for Cooling	IS 1391 PART 2 - Clause 9.7
50	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Spilt, Cassette, Package, Ductable System) Cooling & Heating	Condensate Disposal Test	IS 1391 PART1 - Clause 10.7
51	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Split, Cassette, Package, Ductable System	Cooling capacity ratings	UAE.S 5010 -5 Clause 4.1
52	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner (Window AC, Split, Cassette, Package, Ductable System)	Maximum Cooling Performance Test	ISO 15042 - Clause 6.2
53	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioner - Window AC, Spilt, Cassette, Package, Ductable System	Minimum Cooling , Freeze Up air blockage and freeze-up drip performance tests	ISO 5151 Clause 5.3