National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORIES OF JOHNSON CONTROLS-HITACHI AIR CONDITIONING INDIA LIMITED, HITACHI COMPLEX, KARAN NAGAR, KADI, MAHESANA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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)	Ductable Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	SASO 2682, Cl. 6.4
2	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	HEATING CAPACITY TEST	ISO 13253, Cl. 7.1
3	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	HEATING CAPACITY TEST	SASO 2682, Cl. 7.1
4	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	Minimum cooling performance test	AS/NZS 3823.1.2, Cl. 6.3
5	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	AS/NZS 3823.1.2, Cl. 6.4
6	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	ISO 13253, Cl. 6.4
7	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	COOLING CAPACITY TEST	AS/NZS 3823.1.2, Cl. 6.1
8	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	COOLING CAPACITY TEST	ISO 13253, Cl. 6.1: 2017
9	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	HEATING CAPACITY TEST	AS/NZS 3823.1.2, Cl. 7.1
10	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	Minimum cooling performance test	ISO 13253, Cl. 6.3:
11	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	AUTOMATIC DEFROST PERFORMANCE TEST	IS 8148, Cl. 9.3
12	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	CONDENSATE DISPOSAL TEST	IS 8148, Cl. 8.7
13	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	UAE.S ISO 13253, Cl. 4.1

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14	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	UAE.S ISO 13253, Cl. 5.1
15	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING CONDITIONS TEST	IS 8148, Cl. 9.2
16	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	POWER CONSUMPTION TEST	IS 8148, Cl. 8.8
17	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE TEST	UAE.S ISO 13253, Cl. 4.4
18	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	COOLING RATING TEST	IS 8148, Cl. 8.1 : 2018
19	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	ENCLOSURE SWEAT	IS 8148, Cl. 8.6
20	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	FREEZE-UP TEST	IS 8148, Cl. 8.4
21	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING CONDITIONS TEST	IS 8148, Cl. 8.3
22	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	UAE.S ISO 13253, Cl. 4.2
23	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	UAE.S ISO 13253, Cl. 5.2
24	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	Minimum cooling performance test	UAE.S ISO 13253, Cl. 4.3
25	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING CONDITIONS TEST	IS 8148, Cl. 9.2
26	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	UAE.S ISO 13253, Cl. 5.3
27	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	Minimum cooling performance test	SASO 2682, Cl. 6.3

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28	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	SASO 2682, Cl. 6.2
29	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	AS/NZS 3823.1.2, Cl. 7.2
30	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	AS/NZS 3823.1.2, Cl. 7.3
31	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	COOLING CAPACITY TEST	SASO 2682, Cl. 6.1
32	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	AS/NZS 3823.1.2, Cl. 6.2
33	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	ISO 13253, Cl. 6.2
34	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	ISO 13253, Cl. 7.2
35	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	SASO 2682, Cl. 7.2
36	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	ISO 13253, Cl. 7.3
37	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ductable Air Conditioner(Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	SASO 2682, Cl. 7.3
38	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	AS/NZS 3823.1.4, Cl. 7.1
39	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	ISO 15042, Cl. 7.1:
40	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT	AS/NZS 3823.1.4, Cl. 6.5
41	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT	ISO 15042, Cl. 6.5

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42	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT	UAE.S ISO 15042, Cl. 6.5
43	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	AS/NZS 3823.1.4, Cl. 6.1
44	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	ISO 15042, Cl. 6.1
45	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	UAE.S ISO 15042, Cl. 6.1
46	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	Freeze-up drip test	UAE.S ISO 15042, Cl. 6.4
47	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	Freeze-up drip test	AS/NZS 3823.1.4, Cl. 6.4
48	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	Freeze-up drip test	ISO 15042, Cl. 6.4
49	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	UAE.S ISO 15042, Cl. 7.1
50	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	AS/NZS 3823.1.4, Cl. 6.2
51	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	ISO 15042, Cl. 6.2
52	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	UAE.S ISO 15042, Cl. 6.2
53	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	AS/NZS 3823.1.4, Cl. 7.2
54	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	ISO 15042, Cl. 7.2
55	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	UAE.S ISO 15042, Cl. 7.2

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56	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	AS/NZS 3823.1.4, Cl. 7.3
57	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	ISO 15042, Cl. 7.3
58	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Multi Split Ductable/Non-Ductable (Split, Cassette) Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	UAE.S ISO 15042, Cl. 7.3
59	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MINIMUM ENERGY PERFORMANCE	KWS 1893, Cl. 6.0
60	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	BS EN 14511 (Part 2,3), Cl. 4.1.2
61	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	ISO 5151, Cl. 5.1
62	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	ENERGY EFFICIENCY CLASSIFICATION	UAE.S 5010 (PART 1), Cl. 4.0:
63	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	ENERGY RATING CLASSIFICATION	KWS 1893, Cl. 8.0 :
64	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	AS/NZS 3823.1.1, Cl. 6.1
65	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	BS EN 14511 (Part 3), Cl. 4.1.1
66	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	ISO 5151, Cl. 6.1
67	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	AS/NZS 3823.1.1, Cl. 5.2
68	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	Part load conditions in cooling mode	EN 14825, Cl 4.2
69	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	RATING REQUIREMENTS	AHRI_210/240, Cl.6

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70	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	AS/NZS 3823.1.1, Cl. 5.5
71	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	ISO 5151, Cl. 5.5
72	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	UAE.S/ISO 5151, Cl. 5.5
73	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE DISPOSAL TEST	AHRI_210/240, Cl.8.6, :2017
74	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	CONDENSATE DRAINING AND ENCLOSURE SWEAT TEST	BS EN 14511 (Part 4), Cl. 4.7
75	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	AS/NZS 3823.1.1, Cl. 5.1
76	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	Freeze-up drip performance test	AS/NZS 3823.1.1, Cl. 5.4
77	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	Freeze-up drip performance test	ISO 5151, Cl. 5.4
78	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	FREEZE-UP TEST	BS EN 14511 (Part 4), Cl. 4.4
79	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	INSULATION EFFECTIVENESS TEST	AHRI_210/240, Cl.8.5, :2017
80	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	LOW TEMPERATURE OPERATION TEST	AHRI_210/240, Cl.8.4
81	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM COOLING PERFORMANCE TEST	ISO 5151, Cl. 6.2
82	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	AS/NZS 3823.1.1, Cl. 6.2
83	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	BS EN 14511 (Part 3), Cl. 4.1.1

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84	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM HEATING PERFORMANCE TEST	ISO 5151, Cl. 6.2
85	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MAXIMUM OPERATING CONDITIONS TEST	AHRI 210/240, Cl.8.2
86	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	Minimum cooling, freeze-up air blockage and freeze-up drip performance tests	AS/NZS 3823.1.1, Cl. 5.3
87	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	Minimum cooling, freeze-up air blockage and freeze-up drip performance tests	ISO 5151, Cl. 5.4
88	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING PERFORMACE TEST	ISO 5151, Cl. 6.3
89	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	MINIMUM HEATING PERFORMANCE TEST	AS/NZS 3823.1.1, Cl. 6.3
90	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	Part load conditions in heating mode	EN 14825, Cl 6.2
91	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable (Window/Split/Cassette) Air Conditioner (Inverter/Non-Inverter)	VOLTAGE TOLERANCE TEST	AHRI_210/240, Cl.8.3,
92	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner (Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	CONDENSATE CONTROL AND ENCLOSURE SWEAT PERFORMANCE	SASO 2681, Cl. 5.5
93	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	COOLING CAPACITY TEST	SASO 2681, Cl. 5.1
94	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	HEATING CAPACITY TEST	SASO 2681, Cl. 6.1:
95	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	MAXIMUM HEATING PERFORMANCE TEST	SASO 2681, Cl. 6.2
96	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	Freeze-up drip performance test	SASO 2681, Cl. 5.4
97	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	MAXIMUM COOLING PERFORMANCE TEST	SASO 2681, Cl. 5.2

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORIES OF JOHNSON CONTROLS-HITACHI AIR CONDITIONING INDIA LIMITED, HITACHI COMPLEX, KARAN NAGAR, KADI, MAHESANA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5168 **Page No** 8 of 9

Validity 09/03/2022 to 08/03/2024 **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
98	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	MINIMUM HEATING PERFORMANCE TEST	SASO 2681, Cl. 6.3:
99	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-Ductable Air Conditioner(Inverter/Non-Inverter) Window/Split/Cassette Air conditioner	Non-Ductable Air Minimum cooling, freeze-up air blockage and freeze-up drip performance tests	SASO 2681, Cl. 5.3:
100	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter)	FREEZE-UP TEST	IS 1391 (Part 2), Cl. 9.5
101	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter)	POWER CONSUMPTION TEST FOR COOLING	IS 1391 (Part 2), Cl. 9.7
102	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter)	POWER CONSUMPTION TEST FOR HEATING	IS 1391 (Part 2), Cl. 9.8
103	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter)	POWER FACTOR TEST	IS 1391 (Part 2), Cl. 9.3
104	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	COOLING CAPACITY TEST	UAE.S/ISO 5151, Cl. 5.1
105	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	Freeze-up drip performance test	UAE.S/ISO 5151, Cl. 5.4:
106	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	MAXIMUM OPERATING CONDITIONS TEST	IS 1391 (Part 2), Cl. 9.4
107	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette and Floor Standing	HEATING CAPACITY TEST	IS 1391 (Part 2), Cl. 9.11
108	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette and Floor Standing	COOLING CAPACITY TEST	IS 1391 (Part 2), Cl. 9.9
109	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette and Floor Standing	ENCLOSURE SWEAT	IS 1391 (Part 2), Cl. 9.6: 2018
110	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	MINIMUM HEATING PERFORMANCE TEST	UAE.S/ISO 5151, Cl. 6.3

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORIES OF JOHNSON CONTROLS-HITACHI AIR CONDITIONING INDIA LIMITED, HITACHI COMPLEX, KARAN NAGAR, KADI, MAHESANA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5168 **Page No** 9 of 9

Validity 09/03/2022 to 08/03/2024 **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
111	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	MAXIMUM COOLING PERFORMANCE TEST	UAE.S/ISO 5151, Cl. 5.2
112	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	MAXIMUM HEATING PERFORMANCE TEST	UAE.S/ISO 5151, Cl. 6.2
113	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Non-ducted Split Air Conditioner (Inverter/Non-Inverter) - High Wall, Cassette	Minimum cooling, freeze-up air blockage and freeze-up drip performance tests	UAE.S/ISO 5151, Cl. 5.3
114	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	CONDENSATE DISPOSAL TEST	IS 1391 (Part 1), Cl. 10.7
115	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	FREEZE-UP TEST	IS 1391 (Part 1), Cl. 10.5
116	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	HEATING CAPACITY TEST	IS 1391 (Part 1), Cl. 10.12
117	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	MAXIMUM OPERATING CONDITIONS TEST	IS 1391 (Part 1), Cl. 10.4
118	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	POWER CONSUMPTION TEST FOR HEATING	IS 1391 (Part 1), Cl. 10.9
119	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	COOLING CAPACITY TEST	IS 1391 (Part 1), Cl. 10.10: 2017
120	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	ENCLOSURE SWEAT	IS 1391 (Part 1), Cl. 10.6: 2017
121	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	POWER CONSUMPTION TEST FOR COOLING	IS 1391 (Part 1), Cl. 10.8
122	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air conditioner (Inverter/Non-Inverter)	POWER FACTOR TEST	IS 1391 (Part 1), Cl. 10.3