National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DANFOSS COOLING APPLICATION DEVELOPMENT CENTER, DANFOSS INDUSTRIES PRIVATE LIMITED, PLOT NO. A19/2, SIPCOT INDUSTRIAL GROWTH CENTER, ORAGADAM VILLAGE,SRIPERAMBUDUR TALUK, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 1 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Freeze-Up	IS 1391 (Part 2) Cl 9.5
2	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Freeze-Up	IS 8148 Cl 8.4
3	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Freeze-up drip performance	AS/NZS 3823.1.1 Cl 5.4
4	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Freeze-up drip performance	ISO 5151 Cl 5.4
5	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Freeze-up drip performance	SASO 2681 Cl 5.4
6	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Freeze-up drip performance	UAE.S/ISO 5151 Cl 5.4
7	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum cooling	UAE.S/GSO ISO 13253 Cl 4.2
8	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum cooling conditions	IS 8148 Cl 8.3
9	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	AS/NZS 3823.1.1 Cl 6.2
10	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	IS 1391 (Part 1) Cl 9.2.2, 10.14
11	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	IS 1391 (Part 2) Cl 8.2.2, 9.13
12	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	ISO 13253 Cl 7.2
13	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	ISO 15042 Cl 7.2

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 2 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
14	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	ISO 5151 Cl 6.2
15	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	SASO 2681 Cl 6.2
16	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	UAE.S/ISO 15042 Cl 7.2
17	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Maximum heating performance	UAE.S/ISO 5151 Cl 6.2
18	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Minimum cooling	ISO 15042 Cl 6.3
19	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Minimum cooling	UAE.S/GSO ISO 13253 Cl 4.3
20	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Minimum cooling	UAE.S/ISO 15042 Cl 6.3
21	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Minimum cooling performance	AS/NZS 3823.1.2 Cl 6.3
22	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Minimum cooling performance	SASO 2682 Cl 6.3
23	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioner	Minimum cooling, freeze-up air blockage and freeze-up drip performance	SASO 2681 Cl 5.3
24	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Capacity Rating	IS 1391 (Part 2) Cl 9.9
25	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Capacity Rating	IS 8148 Cl 10.1
26	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Capacity Rating	IS 8148 Cl 8.1
27	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	AS/NZS 3823.1.1 Cl 5.5

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 3 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
28	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	AS/NZS 3823.1.2 Cl 6.4
29	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	ISO 13253 Cl 6.4
30	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	ISO 15042 Cl 6.5
31	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	ISO 5151 Cl 5.5
32	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	SASO 2681 Cl 5.5
33	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	SASO 2682 Cl 6.4
34	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and enclosure sweat performance	UAE.S/ISO 15042 Cl 6.5
35	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate control and Enclosure Sweat Performance	UAE.S/ISO 5151 Cl 5.5
36	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate Disposal	IS 1391 (Part 1) Cl 10.7
37	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate Disposal (Cooling)	AHRI 1230 Cl 8.11
38	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate Disposal (Cooling)	AHRI 1230 Cl 8.6
39	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate Disposal (Cooling)	AHRI 210/240 Cl 8.6
40	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate Disposal (Cooling)	AHRI 340/360 Cl 8.5
41	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate Disposal (Cooling)	AHRI 390 Cl 8.6

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 4 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
42	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Condensate draining and enclosure sweat	EN 14511-4 Cl 4.7
43	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	AS/NZS 3823.1.2 Cl 6
44	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	IS 1391 (Part 1) Cl 9.1
45	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	ISO 13253 Cl 6
46	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	ISO 15042 Cl 6
47	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	SASO 2681 Cl 5
48	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	SASO 2682 Cl 6
49	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	UAE.S/GSO ISO 13253 Cl 4
50	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	UAE.S/ISO 15042 Cl 6
51	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling capacity	AS/NZS 3823.1.1 Cl 5.1
52	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling capacity	EN 14511-3 Cl 4.1.2, 4.1.4
53	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling Capacity	UAE.S/ISO 5151 Cl 5.1
54	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling Capacity Ratings	IS 1391 (Part 1) Cl 7.1
55	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling Capacity Ratings	IS 1391 (Part 2) Cl 6.1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 5 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
56	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Cooling	ISO 5151 Cl 5
57	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Drip	IS 8148 Cl 8.5
58	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure Sweat	IS 1391 (Part 1) Cl 10.6
59	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure Sweat	IS 1391 (Part 2) Cl 9.6
60	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure Sweat	IS 8148 Cl 10.4
61	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure Sweat	IS 8148 Cl 8.6
62	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure sweat and condensate disposal or draining	EN 14511-1,2,3,4 Cl 4.6
63	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure sweat and condensate disposal or draining	IS 8148 Cl 8.7
64	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Enclosure sweat and condensate disposal or draining	UAE.S/GSO ISO 13253 Cl 4.4
65	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up	IS 1391 (Part 1) Cl 10.5
66	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up	IS 1391 (Part 2) Cl 9.5
67	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up	IS 8148 Cl 10.3
68	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up	ISO 15042 Cl 6.4
69	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up	UAE.S/ISO 15042 Cl 6.4

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7343
Page No	6 of 14
Validity	14/07/2021 to 13/07/2023
Last Amended on	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
70	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up (Cooling mode)	EN 14511-4 Cl 4.4
71	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Freeze-Up	EN 14511-1,2,3,4 Cl 4.2.3
72	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	AS/NZS 3823.1.1 Cl 6
73	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	AS/NZS 3823.1.2 Cl 7
74	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	IS 1391 (Part 1) Cl 9.2
75	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	ISO 13253 Cl 7
76	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	ISO 15042 Cl 7
77	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	ISO 5151 Cl 6
78	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	UAE.S/GSO ISO 13253 Cl 5
79	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating	UAE.S/ISO 5151 Cl 6
80	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity	AS/NZS 3823.1.1 Cl 6.1
81	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity	EN 14511-3 Cl 4.1.1, 4.1.4
82	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity	IS 8148 Cl 9.1
83	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioners	Heating Capacity	SASO 2681 Cl 6.1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 7 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
84	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity	SASO 2682 Cl 7.1
85	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity (Heat Pump)	IS 1391 (Part 1) Cl 7.2, 10.12
86	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity (Heat Pump)	IS 1391 (Part 2) Cl 9.11
87	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Heating Capacity (Heat Pump)	IS 1391 (Part 2) Cl 9.11, 8.2.1
88	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	High Temperature Operation Maximum	AHRI 390 Cl 8.2
89	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Insulation Effectiveness (Cooling)	AHRI 1230 Cl 8.5
90	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Insulation Effectiveness (Cooling)	AHRI 210/240 Cl 8.5
91	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Insulation Effectiveness (Cooling)	AHRI 390 Cl 8.5
92	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Insulation Efficiency (Cooling)	AHRI 1230 Cl 8.10
93	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Insulation Efficiency (Cooling)	AHRI 340/360 Cl 8.4
94	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	ISEER	IS 1391 (Part 1) Cl 10.13
95	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	ISEER	IS 1391 (Part 2) Cl 9.12
96	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	ISEER	IS 8148 Cl 8.2
97	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Low Temperature Operation (Cooling)	AHRI 210/240 Cl 8.4

SCOPE OF ACCREDITATION

Laboratory Name : DANFOSS COOLING APPLICATION DEVELOPMENT CENTER, DANFOSS INDUSTRIES PRIVATE LIMITED, PLOT NO. A19/2, SIPCOT INDUSTRIAL GROWTH CENTER, ORAGADAM VILLAGE,SRIPERAMBUDUR TALUK, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 8 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
98	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Low Temperature Operation (Cooling)	AHRI 340/360 Cl 8.3
99	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Low Temperature Operation (Cooling)	AHRI 390 Cl 8.4
100	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Low Temperature Operation for System	AHRI 1230 Cl 8.4
101	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	AS/NZS 3823.1.1 Cl 5.2
102	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	AS/NZS 3823.1.2 Cl 6.2
103	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	ISO 13253 Cl 6.2
104	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	ISO 15042 Cl 6.2
105	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	ISO 5151 Cl 5.2
106	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	SASO 2681 Cl 5.2
107	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	SASO 2682 Cl 6.2
108	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	UAE.S/ISO 15042 Cl 6.2
109	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum cooling performance	UAE.S/ISO 5151 Cl 5.2
110	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum heating	UAE.S/GSO ISO 13253 Cl 5.2
111	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum heating performance	AS/NZS 3823.1.2 Cl 7.2

SCOPE OF ACCREDITATION

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Validity	14/07/2021 to 13/07/2023

Last Amended on -

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112	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum heating performance	IS 8148 Cl 9.2
113	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum heating performance	SASO 2682 Cl 7.2
114	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum Operating Conditions	AHRI 210/240 Cl 8.2
115	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum Operating Conditions	AHRI 340/360 Cl 8.2
116	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum Operating Conditions	EN 14511-1,2,3,4 Cl 4.2.2
117	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum Operating Conditions	IS 1391 (Part 1) Cl 10.4
118	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum operating conditions	IS 1391 (Part 2) Cl 9.4
119	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Maximum Operating Conditions	IS 8148 Cl 10.2
120	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum Cooling Performance	ISO 13253 Cl 6.3
121	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum cooling, freeze-up, air blockage & freeze-up drip performance	AS/NZS 3823.1.1 Cl 5.3
122	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum cooling, freeze-up, air blockage & freeze-up drip performance	ISO 5151 Cl 5.3
123	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum cooling, freeze-up, air blockage & freeze-up drip performance	UAE.S/ISO 5151 Cl 5.3
124	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum Energy Performance Standard	SASO 2874 Cl 5
125	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating	UAE.S/GSO ISO 13253 Cl 5.3

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 10 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
126	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	AS/NZS 3823.1.1 Cl 6.3
127	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	AS/NZS 3823.1.2 Cl 7.3
128	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	ISO 13253 Cl 7.3
129	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	ISO 15042 Cl 7.3
130	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	ISO 5151 Cl 6.3
131	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	SASO 2681 Cl 6.3
132	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	SASO 2682 Cl 7.3
133	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	UAE.S/ISO 15042 Cl 7.3
134	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Minimum heating performance	UAE.S/ISO 5151 Cl 6.3
135	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Operation Requirement for Systems	AHRI 1230 Cl 8.2
136	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Part load conditions for space cooling	BS EN 14825 Cl 4.2, 5
137	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Part load conditions for space heating	BS EN 14825 Cl 6.2, 8
138	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption	IS 8148 Cl 10.6
139	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption	IS 8148 Cl 8.8

SCOPE OF ACCREDITATION

Laboratory Name : DANFOSS COOLING APPLICATION DEVELOPMENT CENTER, DANFOSS INDUSTRIES PRIVATE LIMITED, PLOT NO. A19/2, SIPCOT INDUSTRIAL GROWTH CENTER, ORAGADAM VILLAGE,SRIPERAMBUDUR TALUK, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 11 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
140	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Cooling)	IS 1391 (Part 1) Cl 10.8
141	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Cooling)	IS 1391 (Part 1) Cl 7.3
142	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Cooling)	IS 1391 (Part 2) Cl 6.3
143	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Cooling)	IS 1391 (Part 2) Cl 9.7
144	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Heating by Heat pump)	IS 1391 (Part 1) Cl 10.9
145	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Heating by heat pump)	IS 1391 (Part 1) Cl 7.3
146	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Heating by heat pump)	IS 1391 (Part 2) Cl 6.3
147	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Power Consumption (Heating by Heat pump)	IS 1391 (Part 2) Cl 9.8
148	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Rating Capacity	EN 14511-1,2,3,4 Cl 4
149	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Rating Requirements	AHRI 1230 Cl 6
150	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Rating Requirements	AHRI 210/240 Cl 6
151	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Rating Requirements	AHRI 340/360 Cl 6
152	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air conditioners	Rating Requirements	AHRI 390 Cl 6
153	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Test Requirements	AHRI 210/240 Cl 5

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 12 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
154	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Conditioners	Test Requirements	AHRI 390 Cl 5
155	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Bulk Milk Coolers	Performance	ISO 5708 Cl 11, 21 (excluding Cl 21.1.2)
156	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Minimum energy performance standard	SASO 2874 Cl 5
157	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Part load conditions for Process cooling	BS EN 14825 Cl 9 (Water only), 10
158	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Part load conditions for space cooling	BS EN 14825 Cl 4.3, 4.4, 4.5, 5, 10
159	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Part load conditions for space heating	BS EN 14825 Cl 6.2, 6.4, 6.5, 8, 10
160	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Rating conditions	EN 14511-2 Cl 4.2, EN 14511-3 Cl 4.4.2, 4.4.3, 4.4.4
161	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Rating Requirements	AHRI 550/590 Cl 5
162	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Rating Requirements	AHRI 551/591 Cl 5
163	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Rating Requirements	IS 16590 Cl 6
164	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Chiller (Air Cooled & Water Cooled)	Test Requirements	AHRI 550/590 Cl 5
165	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units	Performance	DS/EN 13771-2 Cl 5.4, 6.3, 6.4, 6.7
166	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units	Performance Rating	ANSI/AHRI 1250 (I- P) Cl 4, 7.9.2
167	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units	Performance Rating	ANSI/AHRI 1250 (I-P) Cl 4, 7.9.2

SCOPE OF ACCREDITATION

Laboratory Name : DANFOSS COOLING APPLICATION DEVELOPMENT CENTER, DANFOSS INDUSTRIES PRIVATE LIMITED, PLOT NO. A19/2, SIPCOT INDUSTRIAL GROWTH CENTER, ORAGADAM VILLAGE,SRIPERAMBUDUR TALUK, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 13 of 14

Validity 14/07/2021 to 13/07/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
168	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units	Performance Rating	ANSI/AHRI 1251 (SI) Cl 4, 7.9.2
169	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units	Rating conditions	DS/EN 13215 2016+A1 Cl 5, 6, 7 & 8 (except 8.4)
170	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units	Rating conditions	DS/EN 13215 Cl 5, 6
171	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units (Air cooled Condensing units only)	Rating Requirements	AHRI 520 Cl 5, 4
172	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Condensing Units (Air cooled Condensing units only)	Standard Rating Conditions	IS 11327 Cl 6
173	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Air flow rate	BS EN 1397 Cl 6
174	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Airflow & Electric Power Input Rating Condition	ANSI/AHRI 440 Cl 6.3.4
175	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Capacity rating	BS EN 1397 Cl 7
176	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Condensate disposal	BS EN 1397 Cl 8.4
177	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Insulation Efficiency	ANSI/AHRI 440 Cl 7.2
178	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Insulation Efficiency	ANSI/AHRI 440 Cl 8.1
179	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Rating Requirements	AHRI 410 Cl 3.6.2, 5, 6
180	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Rating Requirements	ANSI/AHRI 440 Cl 5
181	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Rating Requirements	ANSI/AHRI 440 Cl 6

SCOPE OF ACCREDITATION

Laboratory Name : DANFOSS COOLING APPLICATION DEVELOPMENT CENTER, DANFOSS INDUSTRIES PRIVATE LIMITED, PLOT NO. A19/2, SIPCOT INDUSTRIAL GROWTH CENTER, ORAGADAM VILLAGE,SRIPERAMBUDUR TALUK, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7343 **Page No** 14 of 14

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182	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Sweat	BS EN 1397 Cl 8.3
183	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Fan Coils	Test Requirements	ANSI/AHRI 440 Cl 4
184	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Water Heat Pump	Rating Conditions	EN 14511-2 Cl 4.2 & EN 14511-3 Cl 4.4.2, 4.4.3, 4.4.4
185	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Water Heat Pump	Rating Requirements	AHRI 550/590 Cl 5
186	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Water Heat Pump	Rating Requirements	AHRI 551/591 Cl 5