# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6720 **Page No** 1 of 14

**Validity** 26/11/2021 to 25/11/2023 **Last Amended on** 28/04/2023

| 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) | Ducted & Packaged air conditioners | Automatic Defrost Performance test | IS 8148,Cl.9.3 |
| 2 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Automatic Defrost Performance test | IS 8148, Cl. 9.3 |
| 3 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Capacity Rating | IS 8148, Cl. 8.1 |
| 4 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Capacity Rating | IS 8148,Cl.8.1 |
| 5 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Condensate disposal test | IS 8148, Cl. 8.7 |
| 6 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Drip test | IS 8148, Cl. 8.5 |
| 7 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Enclosure sweat test | IS 8148, Cl. 8.6 |
| 8 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | External Static Pressure Rating | IS 8148, Cl. 5.4 |
| 9 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | External Static Pressure Rating | IS 8148, Cl. 5.4 |
| 10 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Freeze Up test | IS 8148, Cl. 8.4 |
| 11 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Heating Capacity Test | IS 8148, Cl. 9.1 |
| 12 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Heating Capacity Test | IS 8148, Cl. 9.1 |
| 13 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Maximum Cooling Conditions test | IS 8148, Cl. 8.3 |

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**Certificate Number** TC-6720 **Page No** 2 of 14

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| 14 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Maximum Heating Performance test | IS 8148, Cl. 9.2 |
| 15 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Power consumption | IS 8148, Cl. 8.8 |
| 16 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Power consumption | IS 8148, Cl. 8.8 |
| 17 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Room discharge air flow measurement | IS 8148, Cl.5.3 & Cl. 12.3 |
| 18 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Room discharge air flow measurement | IS 8148, Cl.5.3 &Cl. 12.3 |
| 19 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Sound test | IS 8148, Cl. 11 |
| 20 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Ducted & Packaged air conditioners | Sound test | IS 8148, Cl.11 |
| 21 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Capacity Test | IS 1391 (Part 2), Cl. 9.9 |
| 22 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Earthing Resistance test | IS 1391 (Part2), Cl. 15.3.7 |
| 23 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Enclosure sweat test | IS 1391 (Part2), Cl. 9.6 |
| 24 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | ENERGY RATING CLASSIFICATION | SASO 2663, Cl. 8 |
| 25 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Freeze Up test | IS 1391 (Part 2), Cl. 9.5 |

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**Certificate Number** TC-6720 **Page No** 3 of 14

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| 26 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | General Running Test | IS 1391 (Part2), Cl. 15.3.1 |
| 27 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Heating Capacity test | IS 1391 (Part 2), Cl. 9.11 ( Amendment No.2) |
| 28 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners [Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners, Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | High Voltage test | IS 1391 (Part 2), Cl. 15.3.4 |
| 29 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Condensate Disposal test | IS 1391 (Part 1),Cl.10.7 |
| 30 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Cooling Capacity test | IS 1391 (Part 1),Cl.10.10 |
| 31 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Earthing Resistance test | IS 1391 (Part 1) Cl.16.3.7 |
| 32 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Freeze up test | IS 1391 (Part 1),Cl.10.5 |
| 33 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | General Running test | IS 1391 (Part 1),Cl.1.16.3.1 |
| 34 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Heating Capacity test | IS 1391 (Part 1),Cl.10.12 |
| 35 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | High Voltage test | IS 1391 (Part 1),Cl.16.3.4 |
| 36 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Insulation resistance test | IS 1391 (Part 1) Cl.16.3.3 |
| 37 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Leakage current test | IS 1391 (Part 1),Cl.16.3.6 |
| 38 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Leakage Test | IS 1391 (Part 1),Cl.16.3.2 |

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**Certificate Number** TC-6720 **Page No** 4 of 14

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| 39 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Maximum Operating Conditions test | IS 1391 (Part 1),Cl.10.4 |
| 40 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Method of measurement of ISEER | IS 1391 (Part 1),Cl.10.13(Amendment No.1) |
| 41 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Power Consumption test for cooling | IS 1391 (Part 1),Cl.10.8 |
| 42 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Power Consumption test for Heating by heat pump | IS 1391 (Part 1),Cl.10.9 |
| 43 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Power Factor test | IS 1391 (Part 1),Cl.10.3 |
| 44 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners [Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Sound test, Alternate Test method for Sound test | IS 1391 (Part 1)Cl.10.11,Cl. 14.3(Amendment No.1) |
| 45 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Capacity Test | IS 1391 (Part 2), Cl. 9.9 |
| 46 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Earthing Resistance test | IS 1391 (Part2), Cl. 15.3.7 |
| 47 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Enclosure sweat test | IS 1391 (Part2), Cl. 9.6 |
| 48 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | ENERGY RATING CLASSIFICATION | SASO 2663, Cl. 8 |
| 49 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Freeze Up test | IS 1391 (Part 2), Cl. 9.5 |
| 50 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | General Running Test | IS 1391 (Part2), Cl. 15.3.1, |

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| 51 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Heating Capacity test | IS 1391 (Part 2), Cl. 9.11 ( Amendment No.2 ) |
| 52 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | High Voltage test | IS 1391 (Part2), Cl. 15.3.4 |
| 53 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Insulation resistance test | IS 1391 (Part2), Cl. 15.3.3 |
| 54 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Insulation resistance test | IS 1391 (Part2), Cl. 15.3.3 |
| 55 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Leakage Current test | IS 1391 (Part2), Cl. 15.3.6 |
| 56 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Leakage Current test | IS 1391 (Part2), Cl. 15.3.6 |
| 57 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Leakage Test | IS 1391 (Part2), Cl. 15.3.2 |
| 58 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Leakage Test | IS 1391 (Part2), Cl. 15.3.2: |
| 59 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Maximum Heating Performance test | IS 1391 (Part 2), Cl. 9.13 ( Amendment No.2) |
| 60 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Maximum Operating test | IS 1391 (Part 2) Cl. 9.4 |
| 61 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Method of measurement of ISEER | IS 1391 (Part 2), Cl. 9.12 ( Amendment No.1) |

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| **Certificate Number** | TC-6720 | **Page No** | 6 of 14 |
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| 62 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | MINIMUM ENERGY PERFORMANCE STANDARD (MEPS) | SASO 2663, Cl. 4 |
| 63 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Power Consumption test for Cooling | IS 1391 (Part 2), Cl. 9.7 |
| 64 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Power Consumption test for Cooling | IS 1391 (Part 2), Cl. 9.7 |
| 65 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Power Consumption test for heating by heating pump | IS 1391 (Part 2), Cl. 9.8 |
| 66 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Power Consumption test for heating by heating pump | IS 1391 (Part 2), Cl. 9.8 |
| 67 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Power Factor test | IS 1391 (Part 2), Cl. 9.3 |
| 68 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Room Discharge Air Flow measurement | IS 1391 (Part 2), Cl.13.4 |
| 69 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Room Discharge Air Flow measurement | IS 1391 (Part 2), Cl.13.4. |
| 70 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Sound test, Alternate Test method for Sound test | IS 1391 (Part 2), Cl. 9.10, Cl.14.3 (Amendment No.1) |
| 71 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Sound test, Alternate Test method for Sound test | IS 1391 (Part 2), Cl. 9.10, Cl.14.3 (Amendment No.1) |

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| 73 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Annual Energy Consumption | UAE.S 5010-1 Cl.8 |
| 74 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy Efficiency Classifictaions | UAE.S 5010-1 Cl.4 |
| 75 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy efficiency Ratios | ANSI/AHAM RAC- 1,Cl.6.5 |
| 76 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy efficiency Ratios | ANSI/AHAM RAC-1,Cl.6.5 |
| 77 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy Rating Classification | GSO 2530 Cl.7 |
| 78 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy Rating Classification | KWS 1893 Cl.8 |

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| **Certificate Number** | TC-6720 | **Page No** | 8 of 14 |
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|---|---|---|---|---|
| 79 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy Rating Classification | QS SASO 2663 Cl.7 |
| 80 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Energy Rating Classification | QS SASO 2663 Cl.7. |
| 81 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Estimated annual energy consumption | QS SASO 2663 Cl..3.7 |
| 82 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Estimated annual energy consumption | QS SASO 2663 Cl.3.7 |
| 83 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Freeze up Test | ANSI/AHAM RAC- 1,Cl.6.13 |
| 84 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Freeze up Test | ANSI/AHAM RAC-1,Cl.6.13 |
| 85 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Maximum Operating Conditions Test | ANSI/AHAM RAC- 1,Cl.6.12 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6720 **Page No** 9 of 14

**Validity** 26/11/2021 to 25/11/2023 **Last Amended on** 28/04/2023

| 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 |
|---|---|---|---|---|
| 86 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Maximum Operating Conditions Test | ANSI/AHAM RAC-1,Cl.6.12 |
| 87 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | MEPS | GSO 2530 Cl.5 |
| 88 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | MEPS | KWS 1893 Cl.6 |
| 89 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | MEPS | QS SASO 2663 Cl.5 |
| 90 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Standby and OFF Mode test | AHAM RAC-1,Cl.6.3 |
| 91 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Standby and OFF Mode test | AHAM RAC-1,Cl.6.3 |
| 92 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Variable -speed room air conditioner performance adjustment factor | AHAM RAC-1,Cl.6.8 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6720 **Page No** 10 of 14

**Validity** 26/11/2021 to 25/11/2023 **Last Amended on** 28/04/2023

| 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 |
|---|---|---|---|---|
| 93 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type | Variable -speed room air conditioner performance adjustment factor | AHAM RAC-1,Cl.6.8: |
| 94 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Combined Energy Efficency Ratio(CEER) | AHAM RAC-1,Cl.6.7 |
| 95 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Automatic defrost performance test | ISO 5151, Cl. 6.4 |
| 96 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Average Annual Energy Consumption | AHAM RAC-1,Cl.6.5 |
| 97 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Combined Annual Energy Consumption(ECAE) | AHAM RAC-1,Cl.6.6 |
| 98 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Combined Annual Energy Consumption(ECAE) | AHAM RAC-1,Cl.6.6 |
| 99 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Combined Energy Efficiency Ratio(CEER) | AHAM RAC-1,Cl.6.7 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-6720 | **Page No** | 11 of 14 |
| **Validity** | 26/11/2021 to 25/11/2023 | **Last Amended on** | 28/04/2023 |

| 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 |
|---|---|---|---|---|
| 100 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Condensate control and enclosure sweat performance test | ISO 5151, Cl. 5.5 |
| 101 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Capacity | AHAM RAC- 1,Cl.6.1 |
| 102 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Capacity | AHAM RAC-1,Cl.6.1. |
| 103 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Capacity test | ISO 5151, Cl. 5.1 |
| 104 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Capacity test | ISO 5151, Cl. 5.1 |
| 105 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Seasonal Performance Factor (CSPF) and total cooling seasonal performance factor (TCSPF) | ISO 16358-1, Clause No:6 |
| 106 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Cooling Seasonal Performance Factor (CSPF) and total cooling seasonal performance factor(TCSPF) | ISO 16358-1, Clause No:6 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6720 **Page No** 12 of 14

**Validity** 26/11/2021 to 25/11/2023 **Last Amended on** 28/04/2023

| 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 |
|---|---|---|---|---|
| 107 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Electrical Input | AHAM RAC-1,Cl.6.2 |
| 108 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Electrical Input | AHAM RAC-1,Cl.6.2 |
| 109 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Enclosure sweat and Condensate Disposal Test | ANSI/AHAM RAC- 1,Cl.6.14 & 6.15 |
| 110 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Enclosure sweat and Condensate Disposal Test | ANSI/AHAM RAC-1,Cl.6.14 & 6.15 |
| 111 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Freeze-up drip performance test | ISO 5151, Cl. 5.4 |
| 112 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Heating Capacity test | ISO 5151, Cl. 6.1 |
| 113 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Maximum Cooling Performance test | ISO 5151, Cl. 5.2 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6720 **Page No** 13 of 14

**Validity** 26/11/2021 to 25/11/2023 **Last Amended on** 28/04/2023

| 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 |
|---|---|---|---|---|
| 114 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Maximum heating performance test | ISO 5151, Cl. 6.2 |
| 115 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Minimum cooling,freeze-up air blockage and freeze-up drip performance tests | ISO 5151, Cl. 5.3 |
| 116 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Minimum heating performance test | ISO 5151, Cl. 6.3 |
| 117 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room Air Conditioners[ Split air conditioners, Variable capacity Split air conditioners (Inverter A.C), Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)Cassette air conditioners,Variable Capacity Cassette air conditioners (Inverter A.C), Floor Standing Type] | Standby and OFF Mode Annual Energy Consumption(ETSO) | AHAM RAC-1,Cl.6.4 |
| 118 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners, Variable Capacity Window air conditioners (Inverter A.C)] | Room Discharge Air Flow measurement | IS 1391 (Part 1),Cl.14.4 |
| 119 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Condensate Disposal test | IS 1391 (Part 1),Cl.10.7 |
| 120 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Cooling Capacity test | IS 1391 (Part 1),Cl.10.10 |
| 121 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Earthing Resistance test | IS 1391 (Part 1) Cl.16.3.7 |
| 122 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Enclosure sweat test | IS 1391 (Part 1),Cl.10.6 |
| 123 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Freeze up test | IS 1391 (Part 1),Cl.10.5 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** PSYCHROMETRIC LAB, AMBER ENTERPRISES INDIA LTD, C-1, PHASE 2, FOCAL POINT, RAJPURA, PATIALA, PUNJAB, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6720 **Page No** 14 of 14

**Validity** 26/11/2021 to 25/11/2023 **Last Amended on** 28/04/2023

| 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 |
|---|---|---|---|---|
| 124 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | General Running test | IS 1391 (Part 1),Cl.1.16.3.1 |
| 125 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Heating Capacity test | IS 1391 (Part 1),Cl.10.12: |
| 126 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | High Voltage test | IS 1391 (Part 1),Cl.16.3.4 |
| 127 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Insulation resistance test | IS 1391 (Part 1) Cl.16.3.3. |
| 128 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Leakage current test | IS 1391 (Part 1),Cl.16.3.6 |
| 129 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Leakage Test | IS 1391 (Part 1),Cl.16.3.2 |
| 130 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Maximum Operating Conditions test | IS 1391 (Part 1),Cl.10.4: |
| 131 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Method of measurement of ISEER | IS 1391 (Part 1),Cl.10.13(Amendment No.1) |
| 132 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Power Consumption test for cooling | IS 1391 (Part 1),Cl.10.8 : |
| 133 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Power Consumption test for Heating by heat pump | IS 1391 (Part 1),Cl.10.9 |
| 134 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Power Factor test | IS 1391 (Part 1),Cl.10.3 |
| 135 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Room Discharge Air Flow measurement | IS 1391 (Part 1),Cl.14.4 |
| 136 | MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC) | Room air conditioners[Window air conditioners,Variable Capacity Window air conditioners (Inverter A.C)] | Sound test, Alternate Test method for Sound test | IS 1391 (Part 1)Cl.10.11,Cl. 14.3(Amendment No.1) |