

BUREAU OF INDIAN STANDARDS

Program of Work

MED 3 : Refrigeration And Air Conditioning

Scope: Standardization in the fields of refrigeration and air-conditioning, including terminology; mechanical and electrical safety; designation and handling of refrigerants; methods of testing and rating equipment; measurement of sound levels; and sustainability. The scope also includes: Refrigeration and similar appliances for household and commercial use; Factory-assembled air-conditioners (cooling), heat pumps, dehumidifiers, humidifiers, refrigerant reclaiming and recycling equipment as well as other devices such as ventilation equipment, line components, and refrigerating controls used in air-conditioning and refrigeration systems; Automotive air conditioning; and Selection, installation, commissioning and maintenance of Heating Ventilation and Air Conditioning (HVAC) System considering the environment, safety, and human health.

Liaison: **TC-142 (P):** *Cleaning equipment for air and other gases* **TC-86 (P):** *Refrigeration and air-conditioning* **TC-86 SC-1 (P):** *Safety and environmental requirements for refrigerating systems* **TC-86 SC-4 (P):** *Testing and rating of refrigerant compressors* **TC-86 SC-6 (P):** *Testing and rating of air-conditioners and heat pumps* **TC-86 SC-7 (P):** *Testing and rating of commercial refrigerated display cabinets* **TC-86 SC-8 (P):** *Refrigerants and refrigeration lubricants* **IEC TC-59 SC-59M (P):** *Performance of electrical household and similar cooling and freezing appliances* **IEC TC-61 SC-61C (P):** *Safety of refrigeration appliances for household and commercial use* **IEC TC-61 SC-61D (P):** *Appliances for air-conditioning for household and similar purposes* **IEC TC-61 SC-61C (P):** *Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor* **IEC TC-61 SC-61D (P):** *Maintenance of IEC 60335-2-40* **ISO TC-86 SC-8 (P):** *Refrigerant stability classification* **ISO TC-86 SC-6 (P):** *Advanced performance standards* **IEC TC-59 SC-59M (P):** *Electrical household and similar cooling and freezing appliances, food preservation and storage* **IEC TC-59 SC-59M (P):** *TC 59/WG 2 - Acoustical noise of household appliances* **IEC TC-59 SC-59M (P):** *Electrical household and similar cooling and freezing appliances, maintenance of performance standard* **IEC TC-61 SC-61C (P):** *Safety of motor-compressors* **IEC TC-61 SC-61D (P):** *Address A2L, A2 and A3 refrigerants and maintenance of 60335-2-40* **IEC TC-61 SC-61D (P):** *Maintenance of requirements for detection of leaked refrigerant* **IEC TC-61 SC-61D (P):** *Alignment of requirements for flammable refrigerant systems in appliances* **IEC TC-61 SC-61D (P):** *Air conditioners for cooling driver and passenger compartments when the vehicle is stationary* **IEC TC-59 SC-59 (P):** *Performance of electrical household and similar cooling and freezing appliances* **IEC TC-61 SC-61 (P):** *Safety of refrigeration appliances for household and commercial use* **IEC TC-61 SC-61 (P):** *Appliances for air-conditioning for household and similar purposes* **IEC TC-61 SC-61 (P):** *Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor* **IEC TC-61 SC-61 (P):** *Maintenance of IEC*

60335-2-40 **ISO TC-86 SC-8 (P): Refrigerant stability classification ISO TC-86 SC-6 (P): Advanced performance standards IEC TC-59 SC-59 (P): Electrical household and similar cooling and freezing appliances, food preservation and storage IEC TC-59 SC-59 (P): TC 59/WG 2 - Acoustical noise of household appliances IEC TC-59 SC-59 (P): Electrical household and similar cooling and freezing appliances, maintenance of performance standard IEC TC-61 SC-61 (P): Safety of motor-compressors IEC TC-61 SC-61 (P): Address A2L, A2 and A3 refrigerants and maintenance of 60335-2-40 IEC TC-61 SC-61 (P): Maintenance of requirements for detection of leaked refrigerant IEC TC-61 SC-61 (P): Alignment of requirements for flammable refrigerant systems in appliances IEC TC-61 SC-61 (P): Air conditioners for cooling driver and passenger compartments when the vehicle is stationary**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10594:2021 <i>Reviewed In : 2025</i>	Specification for Thermostatic Expansion Valves	September, 2025	-	Indigenous
2	IS 10617:2018 <i>Reviewed In : 2022</i>	Hermetic compressors - Specification (Second Revision)	May, 2022	1	Indigenous
3	IS 11327:2022	Requirements for Refrigerants Condensing Units (Second Revision)		-	Indigenous
4	IS 11328:2022	Self-contained Automatic Ice Makers Specification (First Revision)		-	Indigenous
5	IS 11329:2018	Finned type heat exchanger for room air conditioner (First Revision) Amendment - 5	May, 2022	5	Indigenous
6	IS 11330:2021 <i>Reviewed In : 2025</i>	Refrigeration Oil Separator General Specification Construction Requirements and Testing	September, 2025	-	Indigenous
7	IS 11561:2018 <i>Reviewed In : 2022</i>	Code of practice for testing of water cooling towers (First Revision)	May, 2022	-	Indigenous
8	IS/ISO 11650:1999 <i>Reviewed In : 2022 ISO 11650 : 1999</i>	Performance of refrigerant recovery and/or recycling equipment	September, 2022	-	Identical under single numbering
9	IS 11951:2024	PUMPSET FOR DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION (Second Revision)		-	Indigenous
10	IS 12249:2021 <i>Reviewed In : 2025</i>	Specification for Desiccant Driers	September, 2025	-	Indigenous
11	IS/ISO 13043:2011 ISO 13043:2011 <i>ISO 13043:2011</i>	Road Vehicles Refrigerant Systems used in Mobile Air Conditioning Systems MAC Safety Requirements Adoption of ISO 13043:2011		-	Identical under single numbering
12	IS/ISO 13261-1:1998 ISO 13261-1 : 1998 <i>ISO 13261-2:1998</i>	Sound power rating of air - Conditioning and air - Source heat pump equipment: Part 1 non - Ducted outdoor equipment	August, 2021	-	Identical under dual numbering
13	IS/ISO 13261-2:1998	Sound power rating of airConditioning and air - Source	September, 2022	-	Identical under single numbering

	ISO 13261-2 : 1998 Reviewed In : 2022 ISO 13261 : Part 2 : 1998	heat pump equipment: Part 2 non - Ducted indoor equipment			
14	IS 1391 (Part 1):2023	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision		-	Indigenous
15	IS 1391 (Part 2):2023	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision		-	Indigenous
16	IS 14618:2022	Automotive Vehicles — Air Conditioning and Heating Systems Thermal Performance — Method of Measurement (Second Revision)		1	Indigenous
17	IS 1475:2024	Drinking Water Coolers - Specification (Fourth Revision)		-	Indigenous
18	IS 16590:2023	Liquid Chilling Package Units - Specification (First Revision)		-	Indigenous
19	IS 16656:2026 ISO 817 : 2014	REFRIGERANTS — DESIGNATION AND SAFETY CLASSIFICATION (First Revision of IS 16656 : 2017/ISO 817 : 2014) (Adoption of ISO 817 : 2024)		-	Identical under dual numbering
20	IS 16656:2017 ISO 817 : 2014 Reviewed In : 2021 ISO 817 : 2014	Refrigerants - Designation and safety classification	April, 2021	2	Identical under dual numbering
21	IS 16672 (Part 1):2026 ISO 23953-1: 2015	REFRIGERATED DISPLAY CABINETS PART 1 VOCABULARY [First Revision of IS 16672 (Part 1) : 2017/ISO 23953-1 : 2015] (Adoption of ISO 23953-1 : 2023)		-	Identical under dual numbering
22	IS 16672 (Part 1):2017 ISO 23953-1 : 2015 Reviewed In : 2021 ISO 23953-1: 2015	Refrigerated display cabinets: Part 1 vocabulary	April, 2021	-	Identical under dual numbering
23	IS 16672 (Part 2):2024 ISO 23953-2:2015	Refrigerated display cabinets Part 2 Classification requirements and test conditions (ISO 23953-2: 2015, MOD) (First Revision)		-	Modified/Technically Equivalent
24	IS 16678 (Part 1):2018 ISO 5149-1 : 2014 Reviewed In : 2022 ISO 5149 Pt 1:2014	Refrigerating Systems and Heat Pumps " Safety and Environmental Requirements Part 1 Definitions, Classification and Selection Criteria	May, 2022	2	Identical under dual numbering
25	IS 16678 (Part 2):2018 ISO 5149-2 : 2014 Reviewed In : 2022 ISO 5149 Pt 2:2014	Refrigerating systems and heat pumps - Safety and environmental requirements: Part 2 design, construction, testing, marking and documentation	May, 2022	1	Identical under dual numbering
26	IS 16678 (Part 3):2018 ISO 5149-3 : 2014 Reviewed In : 2022 ISO 5149 Pt 3:2014	Refrigerating systems and heat pumps - Safety and environmental requirements: Part 3 installation site	May, 2022	1	Identical under dual numbering

27	IS 16678 (Part 4):2024 IS 16678 (Part 4)/ISO 5149-4 IS 16678 (Part 4)/ISO 5149-4	Refrigerating Systems and Heat Pumps - Safety and Environmental Requirements Part 4 Operation, Maintenance, Repair and Recovery (First Revision)		-	Identical under dual numbering
28	IS 16753 (Part 1):2022 ISO 29463-1 : 2017 ISO 29463-1 : 2017	High Efficiency Filters and Filter Media for removing Particles from Air Part 1 Classification Performance Testing and Marking (First revision)		-	Identical under dual numbering
29	IS 16753 (Part 2):2018 ISO 29463-2 : 2011 Reviewed In : 2022 ISO 29463-2 :2011	High - Efficiency filters and filter media for removing particles in air: Part 2 aerosol production, measuring equipment and particle - Counting statistics	May, 2022	-	Identical under dual numbering
30	IS 16753 (Part 3):2018 ISO 29463-3 : 2011 Reviewed In : 2022 ISO 29463-3:2011	High - Efficiency filters and filter media for removing particles in air: Part 3 testing flat sheet filter media	May, 2022	-	Identical under dual numbering
31	IS 16753 (Part 4):2018 ISO 29463-4 : 2011 Reviewed In : 2022 ISO 29463-4:2011	High - Efficiency filters and filter media for removing particles in air: Part 4 testing method for determining leakage of filter elements - Scan method	May, 2022	-	Identical under dual numbering
32	IS 16753 (Part 5):2024 IS 16753 (Part 5)/ISO 29463-5 IS 16753 (Part 5)/ISO 29463-5	High-Efficiency Filters and Filter Media for Removing Particles in Air Part 5 Test Method for Filter Elements (First Revision)		-	Identical under dual numbering
33	IS 17550 (Part 3):2025	Household Refrigerating Appliances - Characteristics and Methods Of Test Part 3 Energy Consumption and Volume (First Revision) Amendment - 1		1	Indigenous
34	IS 17550 (Part 2):2024 62552-2: 2015	Household Refrigerating Appliances - Characteristics and Test Methods Part 2 Performance Requirements (First Revision) Amendment - 1		1	Not Equivalent
35	IS 17550:2021	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements		-	Indigenous
36	IS 17550 (Part 1):2024	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements (First Revision)		-	Indigenous
37	IS 17570 (Part 1):2021 ISO 16890-1:2016 ISO 16890-2:2016	Air Filters for general ventilation Part 1 Technical specifications requirements and classification system based upon particulate matter efficiency ePM Adoption of ISO 16890-1:2016		-	Identical under dual numbering
38	IS 17570 (Part 3):2021 ISO 16890-3:2016	Air Filters for general ventilation Part 3 Determination of the gravimetric efficiency and the air		-	Identical under dual numbering

	ISO 16890-3:2016	flow resistance versus the mass of test dust captured (adoption of ISO 16890-3:2016)			
39	IS 17570 (Part 2):2025 ISO 16890-2:2022 ISO 16890-2:2022	Air Filters for General Ventilation Part 2 Measurement of Fractional Efficiency and Airflow Resistance (First Revision)		-	Identical under dual numbering
40	IS 17570 (Part 4):2025 ISO 16890-4:2022 ISO 16890-4:2022	Air filters for general ventilation Part 4 Conditioning method to determine the minimum fractional test efficiency (first revision)		-	Identical under dual numbering
41	IS/ISO 17584:2022 IS/ISO 17584 IS/ISO 17584	Refrigerant properties (First Revision)		-	Identical under single numbering
42	IS 17681:2022	Specification for Bottled water dispensers		1	Indigenous
43	IS 17693:2022	Non-electric Cooling Cabinet Made of Clay		-	Indigenous
44	IS 17773:2022	Closed-Circuit Ammonia Refrigeration System â€” Code of Practice for Design and Installation (ANSI/IIAR 2 : 2014, NEQ)		1	Indigenous
45	IS 18154 (Part 1):2023 ISO 16358-1	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal performance factors Part 1: Cooling seasonal performance factor ISO 16358-1 : 2013 MOD		-	Modified/Technically Equivalent
46	IS 18154 (Part 2):2023 ISO 16358-2 ISO 16358-2	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal performance factors Part 2: Heating seasonal performance factor		-	Identical under dual numbering
47	IS 18154 (Part 3):2023 ISO 16358-3 ISO 16358-3	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal performance factors Part 3: Annual performance factor		-	Identical under dual numbering
48	IS 18689:2024 IEC 60335-2-89:2019	Household and Similar Electrical Appliances - Safety - Particular Requirements for Commercial Refrigerating Appliances and Ice-Makers with an Incorporated or Remote Refrigerant Unit or Motor-Compressor (IEC 60335-2-89 : 2019, MOD)		-	Modified/Technically Equivalent
49	IS 18728:2024	Multiple split-system air conditioners and air-to-air heat pumps (VRF air conditioners) - Specification		-	Indigenous
50	IS 18794:2024	Air Handling Units - Specification		-	Indigenous
51	IS 18801:2023 ISO 22041:2019 ISO 22041:2019	Refrigerated storage cabinets and counters for professional use Performance and energy consumption		-	Identical under dual numbering
52	IS 18802:2023 ISO 22042:2021	Blast chiller and freezer cabinets for professional use Classification		-	Identical under dual numbering

	ISO 22042:2021	requirements and test conditions			
53	IS 18846:2024 IEC TR 63061:2017 IEC TR 63061:2017	ADJUSTED VOLUME CALCULATION FOR REFRIGERATING APPLIANCES		-	Identical under dual numbering
54	IS 18847:2024 ISO 22712: 2023 ISO 22712: 2023	Refrigerating systems and heat pumps Competence of personnel		-	Identical under dual numbering
55	IS 18848:2024 ISO 18326: 2018	Non-Ducted Portable Air-Cooled Air Conditioners and Air-to-Air Heat Pumps having a Single Exhaust Duct - Testing and Rating for Performance		-	Modified/Technically Equivalent
56	IS 18932:2024	Electronic Expansion Valve - Specification		-	Indigenous
57	IS 19409:2025	SERVICE VALVES FOR AIR CONDITIONING AND REFRIGERATION PURPOSES - SPECIFICATION		-	
58	IS 2167:2025 ISO 22044:2021	Commercial Beverage Coolers - Specification (ISO 22044 : 2021, MOD) (Fourth Revision)		-	Modified/Technically Equivalent
59	IS 2370:2014 Reviewed In : 2024	Walk - In cold rooms - Specification (First Revision)	June, 2024	-	Indigenous
60	IS 302 (Part 2/Sec 24):1994 IEC 60335-2-24 Reviewed In : 2024 IEC Pub 335-2-24 (1992)	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 24 refrigerators, food - Freezers and ice - Makers	June, 2024	-	Modified/Technically Equivalent
61	IS 302 (Part 2/Sec 40):2025 IEC 60335-2-40:2022	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Sec 40 Electrical Heat Pumps, Air- Conditioners and Dehumidifiers (IEC 60335-2-40 : 2022, MOD)		-	Modified/Technically Equivalent
62	IS 3315:2024	AMENDMENT NO. 1 TO IS 3315 : 2024 DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION (Fourth Revision)		1	Indigenous
63	IS 3615:2024	Refrigeration and Air Conditioning - Glossary of Terms (Third Revision)		-	Indigenous
64	IS 4831:2019	Recommendation on units and symbols for refrigeration (First Revision)	-	-	Indigenous
65	IS 5111:1993 ISO 917 Reviewed In : 2022 ISO 917 : 1999	Testing of refrigerant compressors (First Revision)	May, 2022	-	Identical under dual numbering
66	IS 60335 (Part 2/Sec 34):2021 IEC 60335-2-34: 2021 Reviewed In : 2025 IEC 60335-2-34: 2021	Household and similar electrical appliances Safety Part 2-34: Particular requirements for motor- compressors Adoption of IEC 60335-2-34: 2021	September, 2025	-	Identical under single numbering
67	IS/IEC	Household and similar electrical		-	Identical under dual

	60335-2-40):2018 IEC 60335-2-40 IEC 60335-2-40	appliances safety : Particular requirements for electrical heat pumps air-conditioners and dehumidifiers Adoption of IEC 60335-2-40			numbering
68	IS 655:2006 Reviewed In : 2022 ISO 7807: 1983	Air ducts - Specification (Second Revision)	January, 2022	2	Not Equivalent
69	IS 7613:1975 Reviewed In : 2017	Method of testing panel type air filters for air - Conditioning and ventilation purposes	March, 2017	-	Indigenous
70	IS 7872:2020 Reviewed In : 2024	Deep Freezers - Specification (Second Revision)	June, 2024	1	Indigenous
71	IS 7896:2023	Air Conditioning Outdoor Design Conditions Data for Indian Cities (Second Revision)		-	Indigenous
72	IS/ISO 8066-2:2001 ISO 8066-2:2001 ISO 8066-2:2001	Rubber and Plastics Hoses and Hose Assemblies for Automotive Air Conditioning Specification Part 2 Refrigerant 134a Adoption of ISO 8066-2:2001		-	Identical under single numbering
73	IS 8066 (Part 3):2020 ISO 8066-3:2020 ISO 8066-3:2020	Rubber and Plastics Hoses and Hose assemblies for Automotive Air Conditioning Specification Part 3 Refrigerant 1234yf Adoption of ISO 8066-3:2020		-	Identical under single numbering
74	IS 8148:2018 ISO 13253 : 2017 ISO 16358 (Part 1) : 2013	Ducted and package air - Conditioners - Specification (Second Revision) Amendment - 2	May, 2022	2	Not Equivalent

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MED 3 (33211)	HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES SAFETY PART 2-34 PARTICULAR REQUIREMENTS FOR MOTOR-COMPRESSORS First Revision

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print		
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SI. No.	Doc No.	Title
1	MED 3 (01396) Revision of: IS 7872:2020	Specification for Freezers
2	MED 3 (01423) Revision of: IS 2167:2019	Specification for Bottle coolers
3	MED 3 (01390) Revision of: IS 1391:2017	Room Air Conditioners - Part 1 Unitary Air Conditioners
4	MED 3 (01391) Revision of: IS 1391:2018	Room air conditioners Part 2 Split air conditioners
5	MED 3 (01424) Revision of: IS 10594:1983	Specification for Thermostatic Expansion Valves
6	MED 3 (01388) Revision of: IS 11329:2018	Specification for Finned Type Heat Exchanger for Room Air Conditioner
7	MED 3 (01389) Revision of: IS 4831:2019	Recommendation on units and symbols for refrigeration
8	MED 3 (01320)	WATER COOLED CHILLING PACKAGES USING THE VAPOUR COMPRESSION CYCLE 9472 SPECIFICATION
9	MED 3 (01451)	Refrigerants -- Designation and safety classification
10	MED 3 (01445)	Performance of Household Refrigerating Appliance - Refrigerators with or Without Low Temperature Compartment - Part 1 Energy Consumption and Performance Amendment - 2
11	MED 3 (01456)	Draft Indian Standard Refrigeration systems and heat pumps-Safety and environmental requirements - Part 1 Definitions classification and selection criteria
12	MED 3 (01457)	Draft Indian Standard Refrigeration systems and heat pumps-Safety and environmental requirements - Part 2 Design Construction testing marking and documentation
13	MED 3 (01458)	Draft Indian Standard Refrigeration systems and heat pumps-Safety and environmental requirements - Part 3 Installation site
14	MED 3 (01459)	Draft Indian Standard Refrigeration systems and heat pumps-Safety and environmental requirements - Part 4 Operation maintenance repair and recovery
15	MED 3 (01229)	Performance of refrigerating recovery and or recycling equipment Adoption of IS ISO 11650 1999
16	MED 3 (01230)	Sound power rating of air conditioning and air source heat pump equipment Part1 Non ducted outdoor equipment IS ISO 13261-1 1998
17	MED 3 (01231)	Sound power rating of air conditioning and air source heat pump equipment Part1 Non ducted outdoor equipment Part 2 Non ducted indoor equipment IS ISO 13261-2 1998
18	MED 3 (01232)	Refrigerant properties adoption of ISO 17584 2205
19	MED 3 (01474)	Draft Indian standard on refrigerated display cabinets - Part 1 vocabulary Adoption of ISO 23953-1 2015
20	MED 3 (01475)	Draft Indian standard on refrigerated display cabinets - Part 2 classification requirements and test conditions Adoption of ISO 23953-2 2015
21	MED 3 (10123) Revision of: IS 3615:2020	GLOSSARY OF TERMS USED IN REFRIGERATION AND AIR CONDITIONING Second revision
22	MED 3 (10124) Revision of: IS 659:1964	Safety code for air conditioning
23	MED 3 (10194)	Draft Indian Standards High-efficiency filters and media for removing particles in air Part 1 Classification performance testing and marking Adoption of ISO 29463-1 2011
24	MED 3 (10195)	Draft Indian Standards High-efficiency filters and media for removing particles in air Part 2 Aerosol production measuring equipment and particle-counting statistic Adoption of ISO 29463-2 2011
25	MED 3 (10196)	Draft Indian Standards High-efficiency filters and media for removing particles in air Part 3 Testing flat sheet filter media Adoption of ISO 29463-3 2011
26	MED 3 (10197)	Draft Indian Standards High-efficiency filters and media for removing particles in air Part 4 Test method for determining leakage of filter elements-Scan method Adoption of ISO 29463-4 2011
27	MED 3 (10198)	Draft Indian Standards High-efficiency filters and media for removing particles in air Part 5 Test method for filter elements Adoption of ISO 29463-5 2011

28	MED 3 (11160) Revision of: IS 3315:2019	Evaporative air coolers desert coolers Specification
29	MED 3 (11161) Revision of: IS 11561:2018	Code of practice for testing of water cooling towers
30	MED 3 (11453)	IEC 60335-2-89 2010 Household and Similar Electrical Appliances- Safety Part 2-89 Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor
31	MED 3 (12510)	Household frost-free refrigerating appliances - Refrigerators cooled by internal forced air circulation - Characteristics and test methods Amendment - 2
32	MED 3 (12557) Revision of: IS 10617:2018	HERMETIC COMPRESSORS-SPECIFICATION SECOND REVISION
33	MED 3 (12765)	Room air conditioners Part 2 Split Air Conditioners Third Revision Amendment - 1
34	MED 3 (12767) Revision of: IS 8148:2018	DUCTED AND PACKAGE AIR CONDITIONERS SPECIFICATION
35	MED 3 (12796)	HOUSEHOLD REFRIGERATING APPLIANCES CHARACTERISTICS AND TEST METHODS Part 1 General Requirements
36	MED 3 (12797)	Household Refrigerating Appliance- Characteristics and test methods Part 2 Performance requirements
37	MED 3 (12798)	Household Refrigerating Appliance- Characteristics and test methods Part 3 Energy Consumption and volume
38	MED 3 (12806) Revision of: IS 11330:1985	Refrigeration Oil Separator General Specification Construction Requirements and Testing
39	MED 3 (12832)	Room Air Conditioners - Part 1 Unitary Air Conditioners Amendment - 1
40	MED 3 (13198)	Household and similar electrical appliances safety Particular requirements for electrical heat pumps air-conditioners and dehumidifiers Adoption of IEC 60335-2-40
41	MED 3 (13906)	Refrigerants - Designation Safety Classification Amendment - 1
42	MED 3 (13985) Revision of: IS 12249:1987	Specification for Desiccant Driers
43	MED 3 (13986) Revision of: IS 11327:2007	Requirements for Refrigerants Condensing Units
44	MED 3 (14003)	Room Air Conditioners - Part 1 Unitary Air Conditioners Amendment - 2
45	MED 3 (14004)	Room air conditioners Part 2 Split Air Conditioners Third Revision Amendment - 2
46	MED 3 (14430)	Closed-circuit Ammonia Refrigeration System - Code of Practice for Design and Installation For Indian conditions
47	MED 3 (14517)	Finned Type Heat Exchanger for Room Air Conditioner First Revision Amendment - 1
48	MED 3 (14740)	Room Air Conditioners - Part 1 Unitary Air Conditioners Amendment - 3
49	MED 3 (14741)	Room air conditioners Part 2 Split Air Conditioners Third Revision Amendment - 3
50	MED 3 (14881)	Refrigerating Systems and Heat Pumps - Safety and Environmental Requirements Part 1 Definitions Classification and Selection Criteria Amendment - 1
51	MED 3 (14991) Revision of: IS 7872:2020	Freezers- Specification Second Revision
52	MED 3 (15203)	Specification for Bottled water dispensers
53	MED 3 (15239)	Hermetic compressors - Specification Second Revision Amendment - 1
54	MED 3 (15589)	Non-electric Cooling Cabinet Made of Clay
55	MED 3 (15673) Revision of: IS 11328:1985	Self-contained Automatic Ice Makers Specification First revision
56	MED 3 (15801)	Finned type heat exchanger for room air conditioner First Revision Amendment - 2
57	MED 3 (16267)	Room air conditioners - Specification Part 1 unitary air conditioners Third Revision Amendment - 4
58	MED 3 (16268)	Room air conditioners - Specification Part 2 split air conditioners Third Revision Amendment - 4
59	MED 3 (16269)	Ducted and package air - Conditioners - Specification Second Revision Amendment - 1
60	MED 3 (16513)	Air Filters for general ventilation Part 1 Technical specifications requirements and classification system based upon particulate matter efficiency ePM Adoption of ISO 16890-1 2016
61	MED 3 (16514)	Air Filters for general ventilation Part 2 Measurement of fractional efficiency and air flow resistance Modified adoption of ISO 16890-2 2016
62	MED 3 (16515)	Air Filters for general ventilation Part 3 Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured adoption of ISO 16890-3 2016
63	MED 3 (16516)	Air Filters for general ventilation Part 4 Conditioning method to determine the minimum fractional test efficiency adoption of ISO 16890-4 2016

64	MED 3 (16709)	Rubber and Plastics Hoses and Hose Assemblies for Automotive Air Conditioning Specification Part 2 Refrigerant 134a Adoption of ISO 8066-2 2001
65	MED 3 (16710)	Rubber and Plastics Hoses and Hose assemblies for Automotive Air Conditioning Specification Part 3 Refrigerant 1234yf Adoption of ISO 8066-3 2020
66	MED 3 (16711)	Road Vehicles Refrigerant Systems used in Mobile Air Conditioning Systems MAC Safety Requirements Adoption of ISO 13043 2011
67	MED 3 (16744) Revision of: IS 16753:2018	High Efficiency Filters and Filter Media for removing Particles from Air Part 1 Classification Performance Testing and Marking First revision
68	MED 3 (17365)	Household and similar electrical appliances Safety Part 2-34 Particular requirements for motor-compressors Adoption of IEC 60335-2-34 2021
69	MED 3 (17391) Revision of: IS 14618:2013	Automotive vehicles Air-conditioning and heating systems thermal performance Method of measurement
70	MED 3 (17393)	Air Handling Units - Specification
71	MED 3 (17930)	Deep Freezers - Specification Second Revision Amendment - 1
72	MED 3 (18759)	Water cooled chilling packages using the vapour compression cycle - Specification Amendment - 1
73	MED 3 (18921)	Multiple split-system air conditioners and air-to-air heat pumps VRF air conditioners - Specification
74	MED 3 (19119)	Non-Ducted Portable Air-Cooled Air Conditioners and Air-to-Air Heat Pumps having a Single Exhaust Duct - Testing and Rating for Performance
75	MED 3 (19252) Revision of: IS 16672:2017	Refrigerated display cabinets Part 2 Classification requirements and test conditions ISO 23953-2 2015 MOD First Revision
76	MED 3 (19768)	Finned type heat exchanger for room air conditioner First Revision Amendment - 3
77	MED 3 (20172)	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal performance factors Part 1 Cooling seasonal performance factor ISO 16358-1 2013 MOD
78	MED 3 (20173)	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal performance factors Part 2 Heating seasonal performance factor
79	MED 3 (20174)	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal performance factors Part 3 Annual performance factor
80	MED 3 (20225) Revision of: IS 1391:2017	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision
81	MED 3 (20226) Revision of: IS 1391:2018	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision
82	MED 3 (20272) Revision of: IS 7896:2001	Air Conditioning Outdoor Design Conditions Data for Indian Cities
83	MED 3 (20281) Revision of: IS 16590:2017	Liquid Chilling Package Units - Specification First Revision
84	MED 3 (20380)	Non-electric Cooling Cabinet Made of Clay Amendment - 1
85	MED 3 (21813) Revision of: IS 16678:2018	Refrigerating Systems and Heat Pumps - Safety and Environmental Requirements Part 4 Operation Maintenance Repair and Recovery First Revision
86	MED 3 (21814) Revision of: IS/ISO 17584:2005	Refrigerant properties First Revision
87	MED 3 (21815) Revision of: IS 16753:2018	High-efficiency filters and filter media for removing particles in air Part 5 Test method for filter elements
88	MED 3 (21881) Revision of: IS 11951:2009	PUMPSET FOR DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION Second Revision
89	MED 3 (22115)	Refrigerants - Designation and safety classification Amendment - 2
90	MED 3 (22116)	Refrigerating Systems and Heat Pumps - Safety and Environmental Requirements Part 1 Definitions Classification and Selection Criteria Amendment - 2
91	MED 3 (22117)	Refrigerating systems and heat pumps - Safety and environmental requirements Part 2 design construction testing marking and documentation Amendment - 1
92	MED 3 (22118)	Refrigerating systems and heat pumps - Safety and environmental requirements Part 3 installation site Amendment - 1
93	MED 3 (22144)	Refrigerating systems and heat pumps Competence of personnel
94	MED 3 (22200) Revision of: IS 1475:2001	Drinking Water Coolers - Specification Fourth Revision
95	MED 3 (22235) Revision of: IS 17550:2021	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements First Revision
96	MED 3 (22236) Revision	Household Refrigerating Appliances - Characteristics and Test Methods Part 2 Performance

	of: IS 17550:2021	Requirements First Revision
97	MED 3 (22237) Revision of: IS 17550:2021	Household Refrigerating Appliances - Characteristics and Test Methods Part 3 Energy Consumption and Volume First Revision
98	MED 3 (22387) Revision of: IS 3315:2019	Direct Evaporative Air Cooler - Specification Fourth Revision
99	MED 3 (22550)	Refrigerated storage cabinets and counters for professional use Performance and energy consumption
100	MED 3 (22551)	Blast chiller and freezer cabinets for professional use Classification requirements and test conditions
101	MED 3 (22552) Revision of: IS 2167:2019	Commercial Beverage Coolers - Classification Requirements and Test Conditions Third Revision
102	MED 3 (22778)	Electronic Expansion Valve - Specification
103	MED 3 (24169)	Household and Similar Electrical Appliances - Safety - Particular Requirements for Commercial Refrigerating Appliances and Ice-Makers with an Incorporated or Remote Refrigerant Unit or Motor-Compressor IEC 60335-2-89 2019 MOD
104	MED 3 (24952)	ADJUSTED VOLUME CALCULATION FOR REFRIGERATING APPLIANCES
105	MED 3 (25074) Revision of: IS 17570:2021	Air filters for general ventilation Part 4 Conditioning method to determine the minimum fractional test efficiency first revision
106	MED 3 (25153)	Bottled water dispensers - Specification Amendment No - 1
107	MED 3 (25447) Revision of: IS 3615:2020	Refrigeration and Air Conditioning - Glossary of Terms Third Revision
108	MED 3 (26440) Revision of: IS 17570:2021	Air Filters for General Ventilation Part 2 Measurement of Fractional Efficiency and Airflow Resistance First Revision
109	MED 3 (26463) Revision of: IS 2167:2024	Commercial Beverage Coolers - Specification ISO 22044 2021 MOD Fourth Revision
110	MED 3 (26474)	Closed-Circuit Ammonia Refrigeration System - Code of Practice for Design and Installation ANSI IAR 2 2014 NEQ Amendment - 1
111	MED 3 (26775)	Amendment - 1 - Automotive vehicles Air-conditioning and heating systems thermal performance Method of measurement Second Revision
112	MED 3 (27207)	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Sec 40 Electrical Heat Pumps Air-Conditioners and Dehumidifiers IEC 60335-2-40 2022 MOD
113	MED 3 (27285)	Finned type heat exchanger for room air conditioner First Revision Amendment - 4
114	MED 3 (27948)	SERVICE VALVES FOR AIR CONDITIONING AND REFRIGERATION PURPOSES - SPECIFICATION
115	MED 3 (28211)	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision Amendment - 1
116	MED 3 (28212)	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision Amendment - 1
117	MED 3 (28214)	Finned type heat exchanger for room air conditioner First Revision Amendment - 5
118	MED 3 (28319)	Ducted and package air - Conditioners - Specification Second Revision Amendment - 2
119	MED 3 (28547)	Household Refrigerating Appliances - Characteristics and Test Methods Part 2 Performance Requirements First Revision Amendment - 1
120	MED 3 (28549)	Household Refrigerating Appliances - Characteristics and Methods Of Test Part 3 Energy Consumption and Volume First Revision Amendment - 1
121	MED 3 (32818)	Identification Storage Transportation and Handling of Refrigerant Cylinders
122	MED 3 (32870)	AMENDMENT NO 1 TO IS 3315 2024 DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION Fourth Revision
123	MED 3 (32880)	WALK-IN COLD ROOM SPECIFICATION PART 1 PREFABRICATED TYPE Second Revision
124	MED 3 (32892)	DUCTED AND NON-DUCTED COMMERCIAL EVAPORATIVE AIR-COOLING UNIT SPECIFICATION
125	MED 3 (33158)	REFRIGERANTS DESIGNATION AND SAFETY CLASSIFICATION First Revision of IS 16656 2017 ISO 817 2014 Adoption of ISO 817 2024
126	MED 3 (33162)	REFRIGERATED DISPLAY CABINETS PART 1 VOCABULARY First Revision of IS 16672 Part 1 2017 ISO 23953-1 2015 Adoption of ISO 23953-1 2023
127	MED 3 (33210)	Safety of household and similar electrical appliances Part 2 particular requirements Sec 24 refrigerators food - Freezers and ice - Makers
128	MED 3 (33530)	SELECTION INSTALLATION COMMISSIONING AND MAINTENANCE OF AIR CONDITIONERS CODE OF PRACTICE PART 1 ROOM AIR CONDITIONERS

Total Published Standards:58 Total Standards Under development:129

Aspect Wise Report

Product : 36
 Code of Practices : 2
 Methods of Test : 15
 Terminology : 3
 Dimensions : 0
 System Standard : 1
 Safety Standard : 5
 Others : 8
 Service Specification : 0
 Process Specification : 0
 Unclassified : 1

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10609:1983 ISO 817 Reviewed In : 2009	Refrigerants - Number designation
2	IS 10617 (Part 1):1983 Reviewed In : 2007	Specification for Hermetic Compressors - Part 1 High Temperature Application Group
3	IS 10617 (Part 2):1983 Reviewed In : 2012	Hermetic Compressors - Part 2 Medium Temperature Application group
4	IS 10617 (Part 3):1983 Reviewed In : 2012	Hermetic Compressors - Part 3 Low Temperature Application Group
5	IS 11338:1985 Reviewed In : 2013	Thermostats for Use in Refrigerators Air Conditioners Water Coolers and Beverage Coolers
6	IS 1474:1959 Reviewed In : 2022	Specification for commercial refrigerators
7	IS 1476 (Part 1):2000 Reviewed In : 2021	Performance of household refrigerating appliance - Refrigerators with or without low temperature compartment Part 1 energy consumption and performance Third Revision
8	IS 15750:2006 Reviewed In : 2022 ISO 15502:2005	Household frost - Free refrigerating appliances - Refrigerators cooled by internal forced air circulation - Characteristics and test methods - Specification
9	IS 1869:1961 Reviewed In : 2017	Specification for ice cans
10	IS 2374:1963 Reviewed In : 2017	Specification for ice tanks
11	IS 3621:1966 Reviewed In : 1991	Domestic Refrigerators absorption Type
12	IS 5038:1969 Reviewed In : 2017	Specification for ice cube trays for domestic refrigerators
13	IS/IEC 60335-2-89:2010 IEC 60335-2-89 : 2010 Reviewed In : 2023 IEC 60335-2-89:2010	Household and similar electrical appliances - Safety Part 2 - 89 particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor
14	IS 659:1964 Reviewed In : 2017	Safety code for air conditioning
15	IS 660:1963 Reviewed In : 2017	Safety code for mechanical refrigeration
16	IS/ISO 817:2005 Reviewed In : 2017 IS 16656:2017/ISO 817:2014	Refrigerants Designation System
17	IS 9210:1979 Reviewed In : 2017	Refrigerated Display Cabinets

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10594:2021 Reviewed In : 2025 ISO/IEC TR 19795-3:2	Specification for Thermostatic Expansion Valves
2	IS 10617:2018 Reviewed In : 2022	Hermetic compressors - Specification Second Revision
3	IS 11327:2022 ISO 6789-1 : 2017	Requirements for Refrigerants Condensing Units Second Revision
4	IS 11328:2022 ISO 8000-120 : 2016	Self-contained Automatic Ice Makers Specification First Revision
5	IS 11329:2018	Finned type heat exchanger for room air conditioner First Revision Amendment - 5
6	IS 11330:2021 Reviewed In : 2025 63042-301	Refrigeration Oil Separator General Specification Construction Requirements and Testing
7	IS 11951:2024	PUMPSET FOR DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION Second Revision
8	IS 12249:2021 Reviewed In : 2025 IEC TS 62840-1:2016	Specification for Desiccant Driers
9	IS 1391 (Part 1):2023	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision
10	IS 1391 (Part 2):2023	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision
11	IS 1475:2024	Drinking Water Coolers - Specification Fourth Revision
12	IS 16590:2023	Liquid Chilling Package Units - Specification First Revision
13	IS 16672 (Part 2):2024	Refrigerated display cabinets Part 2 Classification requirements and test conditions ISO 23953-2 2015 MOD First Revision
14	IS 16753 (Part 1):2022 ISO 29463-1 : 2017 ISO 28803 : 2012	High Efficiency Filters and Filter Media for removing Particles from Air Part 1 Classification Performance Testing and Marking First revision
15	IS 17550 (Part 1):2024	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements First Revision
16	IS 17570 (Part 1):2021 ISO 16890-1:2016 11520-2:2001	Air Filters for general ventilation Part 1 Technical specifications requirements and classification system based upon particulate matter efficiency ePM Adoption of ISO 16890-1 2016
17	IS 17681:2022 ISO 13737:2004	Specification for Bottled water dispensers
18	IS 17693:2022 ISO 12967-2:2020	Non-electric Cooling Cabinet Made of Clay
19	IS 18689:2024	Household and Similar Electrical Appliances - Safety - Particular Requirements for Commercial Refrigerating Appliances and Ice-Makers with an Incorporated or Remote Refrigerant Unit or Motor-Compressor IEC 60335-2-89 2019 MOD
20	IS 18728:2024	Multiple split-system air conditioners and air-to-air heat pumps VRF air conditioners - Specification
21	IS 18794:2024	Air Handling Units - Specification
22	IS 18801:2023 ISO 22041:2019	Refrigerated storage cabinets and counters for professional use Performance and energy consumption
23	IS 18802:2023	Blast chiller and freezer cabinets for professional use Classification requirements and test

	ISO 22042:2021	conditions
24	IS 18848:2024	Non-Ducted Portable Air-Cooled Air Conditioners and Air-to-Air Heat Pumps having a Single Exhaust Duct - Testing and Rating for Performance
25	IS 18932:2024	Electronic Expansion Valve - Specification
26	IS 2167:2025	Commercial Beverage Coolers - Specification ISO 22044 2021 MOD Fourth Revision
27	IS 2370:2014 Reviewed In : 2024	Walk - In cold rooms - Specification First Revision
28	IS 3315:2024	AMENDMENT NO 1 TO IS 3315 2024 DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION Fourth Revision
29	IS 4831:2019	Recommendation on units and symbols for refrigeration First Revision
30	IS 60335 (Part 2/Sec 34):2021 IEC 60335-2-34: 2021 Reviewed In : 2025 IEC 60050-845: 2020	Household and similar electrical appliances Safety Part 2-34 Particular requirements for motor-compressors Adoption of IEC 60335-2-34 2021
31	IS/IEC 60335-2-40):2018 IEC 60335-2-40 60603-1 : 1991	Household and similar electrical appliances safety Particular requirements for electrical heat pumps air-conditioners and dehumidifiers Adoption of IEC 60335-2-40
32	IS 655:2006 Reviewed In : 2022 ISO 7807: 1983	Air ducts - Specification Second Revision
33	IS 7872:2020 Reviewed In : 2024	Deep Freezers - Specification Second Revision
34	IS/ISO 8066-2:2001 ISO 8066-2:2001 ISO/TS 22331:2018	Rubber and Plastics Hoses and Hose Assemblies for Automotive Air Conditioning Specification Part 2 Refrigerant 134a Adoption of ISO 8066-2 2001
35	IS 8066 (Part 3):2020 ISO 8066-3:2020 ISO 22915-7 : 2016	Rubber and Plastics Hoses and Hose assemblies for Automotive Air Conditioning Specification Part 3 Refrigerant 1234yf Adoption of ISO 8066-3 2020
36	IS 8148:2018 ISO 13253 : 2017 ISO 16358 (Part 1) : 2013	Ducted and package air - Conditioners - Specification Second Revision Amendment - 2