

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

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10594:2021 Reviewed In : 2025	Specification for Thermostatic Expansion Valves	September, 2025	-	Indigenous
2	IS 10617:2018	Hermetic compressors -	May, 2022	1	Indigenous

	Reviewed In : 2022	Specification (Second Revision)			
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 11330:2021 Reviewed In : 2025	Refrigeration Oil Separator General Specification Construction Requirements and Testing	September, 2025	-	Indigenous
6	IS 11561:2018 Reviewed In : 2022	Code of practice for testing of water cooling towers (First Revision)	May, 2022	-	Indigenous
7	IS/ISO 11650:1999 Reviewed In : 2022 ISO 11650 : 1999	Performance of refrigerant recovery and/or recycling equipment	September, 2022	-	Identical under single numbering
8	IS 11951:2024	PUMPSET FOR DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION (Second Revision)		-	Indigenous
9	IS 12249:2021 Reviewed In : 2025	Specification for Desiccant Driers	September, 2025	-	Indigenous
10	IS/ISO 13043:2011 ISO 13043:2011 ISO 13043:2011	Road Vehicles Refrigerant Systems used in Mobile Air Conditioning Systems MAC Safety Requirements Adoption of ISO 13043:2011		-	Identical under single numbering
11	IS/ISO 13261-1:1998 ISO 13261-1 : 1998 Reviewed In : 2021 ISO 13261-2:1998	Sound power rating of air - Conditioning and air - Source heat pump equipment: Part 1 non - Ducted outdoor equipment	August, 2021	-	Identical under dual numbering
12	IS/ISO 13261-2:1998 ISO 13261-2 : 1998 Reviewed In : 2022 ISO 13261 : Part 2 : 1998	Sound power rating of airConditioning and air - Source heat pump equipment: Part 2 non - Ducted indoor equipment	September, 2022	-	Identical under single numbering
13	IS 1391 (Part 1):2017 Reviewed In : 2022	Room air conditioners - Specification: Part 1 unitary air conditioners (Third Revision)	January, 2022	4	Indigenous
14	IS 1391 (Part 1):2023	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision		-	Indigenous
15	IS 1391 (Part 2):2018 Reviewed In : 2022	Room air conditioners - Specification: Part 2 split air conditioners (Third Revision)	May, 2022	4	Indigenous
16	IS 1391 (Part 2):2023	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision		-	Indigenous
17	IS 14618:2022	Automotive Vehicles — Air Conditioning and Heating Systems Thermal Performance — Method of Measurement (Second Revision)		1	Indigenous

18	IS 1475:2024	Drinking Water Coolers - Specification (Fourth Revision)		-	Indigenous
19	IS 16590:2023	Liquid Chilling Package Units - Specification (First Revision)		-	Indigenous
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):2017 ISO 23953-1 : 2015 Reviewed In : 2021 ISO 23953-1: 2015	Refrigerated display cabinets: Part 1 vocabulary	April, 2021	-	Identical under dual numbering
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	IS 16753 (Part	High-Efficiency Filters and Filter		-	Identical under dual

	5):2024 IS 16753 (Part 5)/ISO 29463-5 IS 16753 (Part 5)/ISO 29463-5	Media for Removing Particles in Air Part 5 Test Method for Filter Elements (First Revision)			numbering
32	IS 17550:2021	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements		-	Indigenous
33	IS 17550 (Part 1):2024	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements (First Revision)		-	Indigenous
34	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
35	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
36	IS 17570 (Part 3):2021 ISO 16890-3:2016 ISO 16890-3:2016	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)		-	Identical under dual numbering
37	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
38	IS/ISO 17584:2022 IS/ISO 17584 IS/ISO 17584	Refrigerant properties (First Revision)		-	Identical under single numbering
39	IS 17681:2022	Specification for Bottled water dispensers		1	Indigenous
40	IS 17693:2022	Non-electric Cooling Cabinet Made of Clay		-	Indigenous
41	IS 17773:2022	Closed-Circuit Ammonia Refrigeration System â€™ Code of Practice for Design and Installation (ANSI/IIAR 2 : 2014, NEQ)		1	Indigenous
42	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
43	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
44	IS 18154 (Part 3):2023 ISO 16358-3	Air-cooled air conditioners and air-to-air heat pumps Testing and calculating methods for seasonal		-	Identical under dual numbering

	ISO 16358-3	performance factors Part 3: Annual performance factor			
45	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
46	IS 18728:2024	Multiple split-system air conditioners and air-to-air heat pumps (VRF air conditioners) - Specification		-	Indigenous
47	IS 18794:2024	Air Handling Units - Specification		-	Indigenous
48	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
49	IS 18802:2023 ISO 22042:2021 ISO 22042:2021	Blast chiller and freezer cabinets for professional use Classification requirements and test conditions		-	Identical under dual numbering
50	IS 18846:2024 IEC TR 63061:2017 IEC TR 63061:2017	ADJUSTED VOLUME CALCULATION FOR REFRIGERATING APPLIANCES		-	Identical under dual numbering
51	IS 18847:2024 ISO 22712: 2023 ISO 22712: 2023	Refrigerating systems and heat pumps Competence of personnel		-	Identical under dual numbering
52	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
53	IS 18932:2024	Electronic Expansion Valve - Specification		-	Indigenous
54	IS 2167:2025 ISO 22044:2021	Commercial Beverage Coolers - Specification (ISO 22044 : 2021, MOD) (Fourth Revision)		-	Modified/Technically Equivalent
55	IS 2370:2014 Reviewed In : 2024	Walk - In cold rooms - Specification (First Revision)	June, 2024	-	Indigenous
56	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
57	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
58	IS 3315:2024	Direct Evaporative Air Cooler - Specification (Fourth Revision)		-	Indigenous
59	IS 3615:2024	Refrigeration and Air Conditioning - Glossary of Terms (Third Revision)		-	Indigenous

60	IS 4831:2019	Recommendation on units and symbols for refrigeration (First Revision)	-	-	Indigenous
61	IS 5111:1993 ISO 917 Reviewed In : 2022 ISO 917 : 1999	Testing of refrigerant compressors (First Revision)	May, 2022	-	Identical under dual numbering
62	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
63	IS/IEC 60335-2-40):2018 IEC 60335-2-40 IEC 60335-2-40	Household and similar electrical appliances safety : Particular requirements for electrical heat pumps air-conditioners and dehumidifiers Adoption of IEC 60335-2-40		-	Identical under dual numbering
64	IS 655:2006 Reviewed In : 2022 ISO 7807: 1983	Air ducts - Specification (Second Revision)	January, 2022	2	Not Equivalent
65	IS 7613:1975 Reviewed In : 2017	Method of testing panel type air filters for air - Conditioning and ventilation purposes	March, 2017	-	Indigenous
66	IS 7872:2020 Reviewed In : 2024	Deep Freezers - Specification (Second Revision)	June, 2024	1	Indigenous
67	IS 7896:2023	Air Conditioning Outdoor Design Conditions Data for Indian Cities (Second Revision)		-	Indigenous
68	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
69	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
70	IS 8148:2018 Reviewed In : 2022 ISO 13253 : 2017 ISO 16358 (Part 1) : 2013	Ducted and package air - Conditioners - Specification (Second Revision)	May, 2022	1	Not Equivalent

Standards under Development

Projects Approved

Sl. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

Sl. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
Sl. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
1	MED 3 (28211)	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision Amendment - 1
2	MED 3 (28212)	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision Amendment - 1
3	MED 3 (28319)	Ducted and package air - Conditioners - Specification Second Revision Amendment - 2

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
Sl. No.	Doc No.	Title
1	MED 3 (27948)	SERVICE VALVES FOR AIR CONDITIONING AND REFRIGERATION PURPOSES - SPECIFICATION
2	MED 3 (28214)	Finned type heat exchanger for room air conditioner First Revision Amendment - 5
3	MED 3 (28547)	Household Refrigerating Appliances - Characteristics and Test Methods Part 2 Performance Requirements First Revision Amendment - 1
4	MED 3 (28549)	Household Refrigerating Appliances - Characteristics and Methods Of Test Part 3 Energy Consumption and Volume First Revision Amendment - 1

Total Published Standards:54 Total Standards Under development:7
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Aspect Wise Report

Product : 35
 Code of Practices : 2
 Methods of Test : 13
 Terminology : 3
 Dimensions : 0
 System Standard : 1
 Safety Standard : 5
 Others : 8
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

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	Hermetic Compressors - Part 2 Medium Temperature Application group

	Reviewed In : 2012	
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 11330:2021 Reviewed In : 2025 63042-301	Refrigeration Oil Separator General Specification Construction Requirements and Testing
6	IS 11951:2024	PUMPSET FOR DIRECT EVAPORATIVE AIR COOLER - SPECIFICATION Second Revision
7	IS 12249:2021 Reviewed In : 2025 IEC TS 62840-1:2016	Specification for Desiccant Driers
8	IS 1391 (Part 1):2023	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision
9	IS 1391 (Part 2):2023	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision

10	IS 1475:2024	Drinking Water Coolers - Specification Fourth Revision
11	IS 16590:2023	Liquid Chilling Package Units - Specification First Revision
12	IS 16672 (Part 2):2024	Refrigerated display cabinets Part 2 Classification requirements and test conditions ISO 23953-2 2015 MOD First Revision
13	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
14	IS 17550 (Part 1):2024	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements First Revision
15	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
16	IS 17681:2022 ISO 13737:2004	Specification for Bottled water dispensers
17	IS 17693:2022 ISO 12967-2:2020	Non-electric Cooling Cabinet Made of Clay
18	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
19	IS 18728:2024	Multiple split-system air conditioners and air-to-air heat pumps VRF air conditioners - Specification
20	IS 18794:2024	Air Handling Units - Specification
21	IS 18801:2023 ISO 22041:2019	Refrigerated storage cabinets and counters for professional use Performance and energy consumption
22	IS 18802:2023 ISO 22042:2021	Blast chiller and freezer cabinets for professional use Classification requirements and test conditions
23	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
24	IS 18932:2024	Electronic Expansion Valve - Specification
25	IS 2167:2025	Commercial Beverage Coolers - Specification ISO 22044 2021 MOD Fourth Revision
26	IS 2370:2014 Reviewed In : 2024	Walk - In cold rooms - Specification First Revision
27	IS 3315:2024	Direct Evaporative Air Cooler - Specification Fourth Revision
28	IS 4831:2019	Recommendation on units and symbols for refrigeration First Revision
29	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
30	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
31	IS 655:2006 Reviewed In : 2022 ISO 7807: 1983	Air ducts - Specification Second Revision
32	IS 7872:2020 Reviewed In : 2024	Deep Freezers - Specification Second Revision

33	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
34	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
35	IS 8148:2018 Reviewed In : 2022 ISO 13253 : 2017 ISO 16358 (Part 1) : 2013	Ducted and package air - Conditioners - Specification Second Revision