

BUREAU OF INDIAN STANDARDS

Program of Work

MED 22 : Turbo Machinery

Scope: a) Formulation of standards for compressors, blowers, exhausters, turbines, and their related accessories. It also covers methods of measuring various quantities connected with the testing and code of practices. b) Preparation of technical supply conditions and acceptance tests for centrifugal, reciprocating, rotary, and dynamic compressors, blowers and exhausters, and turbines. c) Coordination of work with ISO/TC 192 (Gas turbines) and ISO/TC 118 (Compressors, Pneumatic Tools, and Pneumatic machines and its sub-committees). d) Coordination of work with IEC/TC 4 (Hydraulic turbines) and IEC/TC 5 (Steam Turbines).

Liaison: **TC-118 (P): Compressors and pneumatic tools, machines and equipment TC-118 SC-1 (P): Process compressors TC-118 SC-4 (P): Compressed air treatment technology TC-118 SC-6 (P): Air compressors and compressed air systems IEC TC-5 (P): Steam turbines IEC TC-4 (P): Hydraulic turbines ISO TC-192 (P): Gas turbines**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO 11011 : 2013 ISO 11011 : 2013 ISO 11011 : 2013	COMPRESSED AIR ENERGY EFFICIENCY ASSESSMENT Adoption of ISO 11011		-	Identical under single numbering
2	IS 11119 : 2023	TECHNICAL SUPPLY CONDITIONS FOR SLIDING VANE ROTARY AIR COMPRESSORS First Revision of IS 11119		-	Indigenous
3	IS 11421 : 1985 Reviewed In : 2021	Techniques of pulsation for suppression for reciprocating compressors	November, 2021	1	Indigenous
4	IS 11461 : 1985 Reviewed In : 2021	Code of practice for compressor safety	November, 2021	-	Indigenous
5	IS 11461 : 2024	Compressor Safety " Code of Practice (First Revision)		-	Indigenous
6	IS 11563 : 2022	TECHNICAL SUPPLY CONDITIONS FOR DYNAMIC COMPRESSORS		-	Indigenous
7	IS 11780 : 2023	CODE FOR SELECTION AND TESTING OF ROTARY SCREW AIR COMPRESSOR OIL-FLOODED First Revision of IS 11780		-	Indigenous
8	IS 11891 : 2022	LUBRICATION AND OIL SEAL SYSTEM FOR DYNAMIC COMP		-	Indigenous

		RESSORS-SPECIFICATION (First Revision)			
9	IS/ISO 1217 : 2009 ISO 1217 : 2009 ISO 1217:2009	Displacement Compressors - Acceptance Test		1	Identical under single numbering
10	IS 12258 : 2023	TECHNICAL SUPPLY CONDITION FOR AIR SCREW COMPRESSORS (OIL- FLOODED) FOR GENERAL PURPOSE AND INDUSTRIAL APPLICATIONS (First Revision)		-	Indigenous
11	IS/ISO 13631 : 2002 ISO 13631 : 2002 ISO 13631:2002	Petroleum and Natural Gas Industries " Packaged Reciprocating Gas Compressors		-	Identical under single numbering
12	IS 13707 : 2022 ISO 13707 : 2000 ISO 13707 : 2000	PETROLEUM AND NATURAL GAS INDUSTRIES RECIPROCATING COMPRESSORS		-	Identical under single numbering
13	IS 14198 (Part 1) : 1994 IEC 953-1 Reviewed In : 2017 IEC Pub 953-1(1990)	Rules for steam turbine thermal acceptance tests: Part 1 method A - High accuracy for large condensing steam turbines		-	Identical under dual numbering
14	IS 14198 (Part 2) : 1994 IEC 953-2 Reviewed In : 2017 IEC Pub 953-2(1990)	Rules for steam turbines thermal acceptance tests		-	Identical under dual numbering
15	IS 14205 (Part 1) : 1994 IEC 45-1 Reviewed In : 2017 IEC Pub 45-1:1991	Steam turbine: Part 1 specification		-	Identical under dual numbering
16	IS 15661 : 2006 ISO 10439 Reviewed In : 2021	Petroleum, chemical and gas service industries - Centrifugal compressors	November, 2021	-	Indigenous
17	IS 15664 : 2006 ISO 2314 Reviewed In : 2016 ISO 2314:1989	Gas turbines " Acceptance tests	April, 2016	-	Identical under dual numbering
18	IS 15665 : 2006 ISO 11086 Reviewed In : 2016 ISO 11086:1996	Gas turbines - Vocabulary	April, 2016	-	Identical under dual numbering
19	IS 15666 (Part 1) : 2006 ISO 3977-1 Reviewed In : 2021 ISO 3977-1	Gas turbines - Procurement: Part 1 general introduction and definitions	April, 2021	-	Identical under dual numbering
20	IS 15666 (Part 2) : 2006 ISO 3977-2 Reviewed In : 2021 ISO 3977-2	Gas turbines - Procurement: Part 2 standard reference conditions and ratings	April, 2021	-	Identical under dual numbering
21	IS 15666 (Part 3) : 2006 ISO 3977-3	Gas turbines - Procurement: Part 3 design requirements	April, 2021	-	Identical under dual numbering

	Reviewed In : 2021 ISO 3977-3				
22	IS 15666 (Part 4) : 2006 ISO 3977-4 Reviewed In : 2021 ISO 3977-4	Gas turbines - Procurement: Part 4 fuels and environment	April, 2021	-	Identical under dual numbering
23	IS 15666 (Part 5) : 2006 ISO 3977-5 Reviewed In : 2021 ISO 3977-5	Gas turbines - Procurement: Part 5 applications for petroleum and natural gas industries	April, 2021	-	Identical under dual numbering
24	IS 15666 (Part 7) : 2006 ISO 3977-7 Reviewed In : 2021 ISO 3977-6	Gas turbines - Procurement: Part 7 technical information	April, 2021	-	Identical under dual numbering
25	IS 15666 (Part 8) : 2006 ISO 3977-8 Reviewed In : 2021 ISO 3977-8	Gas turbines - Procurement: Part 8 inspection, testing, installation and commissioning	April, 2021	-	Identical under dual numbering
26	IS 15666 (Part 9) : 2006 ISO 3977-9 Reviewed In : 2021 ISO 3977-9	Gas turbines - Procurement: Part 9 reliability, availability, maintainability and safety	April, 2021	-	Identical under dual numbering
27	IS 15667 : 2006 ISO 19860 Reviewed In : 2016 ISO 19860:2005	Gas turbines - Data acquisition and trend monitoring system requirements for gas turbine installations	April, 2016	-	Identical under dual numbering
28	IS 15879 : 2009 Reviewed In : 2019	Breathing air compressor package - Specification	September, 2019	-	Indigenous
29	IS 17093 : 2019 Reviewed In : 2024	Technical supply conditions for reciprocating air compressors for general purpose and industrial applications	March, 2024	-	Indigenous
30	IS/ISO 18740 : 2016 ISO 18740 : 2016 ISO 18740 : 2016	TURBOCOMPRESSORS PERFORMANCE TEST CODE SIMPLIFIED ACCEPTANCE TEST (Adoption of ISO 18740)		-	Identical under single numbering
31	IS/ISO 3857-1 : 1977 Reviewed In : 2024 ISO 3857 : PART 1 : 1977	Compressors, pneumatic tools and machines - Vocabulary: Part 1 general	September, 2024	-	Identical under single numbering
32	IS/ISO 3857-2 : 1977 Reviewed In : 2024 ISO 3857 : PART 2 : 1977	Compressors, pneumatic tools and machines - Vocabulary: Part 2 compressors	September, 2024	-	Identical under single numbering
33	IS/IEC 41 : 1991 Reviewed In : 2018 IEC 41:1991	Field acceptance tests to determine the hydraulic performance of hydraulic turbines, storage pumps and pump - Turbines	March, 2018	-	Identical under single numbering
34	IS/ISO 5389 : 2005 ISO 5389 : 2005 Reviewed In : 2020 ISO 5389 : 2005	Turbocompressors - Performance test code	April, 2020	-	Identical under single numbering

35	IS 5456 : 2024	Positive Displacement Type Air Compressors and Exhausters "Testing and Acceptance (Third Revision)		-	Indigenous
36	IS 5456 : 2006 Reviewed In : 2021	Testing of positive displacement type air compressors and exhausters - Code of practice (Second Revision)	November, 2021	1	Indigenous
37	IS 6206 : 2023	GUIDE FOR SELECTION INSTALLATION AND MAINTENANCE OF AIR COMPRESSOR PLANTS WITH OPERATING PRESSURES UP TO 10 BARS (Second Revision of IS 6206)		-	Indigenous
38	IS 6206 : 1985 Reviewed In : 2021	Guide for selection, installation and maintenance of air compressor plants with operating pressures up to 10 bars (First Revision)	November, 2021	2	Indigenous
39	IS 6430 : 2023	MOBILE AIR COMPRESSOR FOR CONSTRUCTION PURPOSES SPECIFICATION (Second Revision)		-	Indigenous
40	IS/ISO 7183 : 2007 ISO 7183 : 2007 Reviewed In : 2021 ISO 7183 : 2007	Compressed - Air dryers - Specifications and testing	March, 2021	-	Identical under single numbering
41	IS 7938 : 2023	Air Receivers for Compressed Air Installation 1/2 Specification (First Revision)		-	Indigenous

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
<i>No Records Found</i>		

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

SI. No.	Doc No.	Title
---------	---------	-------

No Records Found

Total Published Standards:36 Total Standards Under development:0

Aspect Wise Report

Product : 11
 Code of Practices : 6
 Methods of Test : 15
 Terminology : 3
 Dimensions : 1
 System Standard : 0
 Safety Standard : 2
 Others : 0
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10431 : 1994 Reviewed In : 2018	Measurement of air flow of compressors and exhausters by nozzles First Revision
2	IS 10962 : 1984 Reviewed In : 2016	Technical Supply Conditions For Reciprocating Air Compressor Above 60 Kw
3	IS 11012 : 1984 Reviewed In : 2016	Technical Supply Conditions for Reciprocating Air Compressors Above 25 Kw Up To And Including 60 Kw
4	IS 11446 : 1985	Method of Measurement of Airborne Noise Emitted by Compressor Units Intended for Outdoor Use
5	IS 11465 : 1985 Reviewed In : 2016	Technical supply conditions for reciprocating air compressors for power upto 25 kW for general purpose and industrial applications
6	IS 11989 : 1986 ISO 7183 Reviewed In : 2017	Specification for compressed air dryers
7	IS 13124 : 1993 Reviewed In : 2018	Reciprocating gas compressors - Technical supply conditions
8	IS 14641 : 1999 Reviewed In : 2018	Turbocompressor - Performance test code
9	IS 14642 (Part 1) : 1999 Reviewed In : 2008	Compressed Air for General Use - Part 1 Contaminants and Quality Classes
10	IS/ISO 2151 : 2004	Acoustics - Noise Test Code for Compressors And Vacuum Pumps - Engineering Method Grade 2
11	IS 5538 (Part 1) : 1969	Measurement of airflow of compressors and exhausters Part 1 Nozzles
12	IS 5538 (Part 2) : 1969	Measurement of airflow of compressors and exhausters Part 2 Orifice plates
13	IS 5727 : 1981	Glossary of Terms Relating to Compressors and Exhausters
14	IS/ISO 7919-1 : 1986	Mechanical Vibration of Non-reciprocating Machines - Measurement on Rotating Shafts and Evaluation - Part 1 General Guidelines
15	IS 9242 : 1986 Reviewed In : 2021 5941	Rated pressure of air compressors First Revision

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11119 : 2023	TECHNICAL SUPPLY CONDITIONS FOR SLIDING VANE ROTARY AIR COMPRESSORS First Revision of IS 11119
2	IS 11891 : 2022 62281	LUBRICATION AND OIL SEAL SYSTEM FOR DYNAMIC COMPRESSORS- SPECIFICATION First Revision
3	IS/ISO 13631 : 2002 ISO 13631 : 2002 ISO 13631:2002	Petroleum and Natural Gas Industries Packaged Reciprocating Gas Compressors
4	IS 13707 : 2022 ISO 13707 : 2000 ISO 20251 : 2016	PETROLEUM AND NATURAL GAS INDUSTRIES RECIPROCATING COMPRESSORS
5	IS 14205 (Part 1) : 1994 IEC 45-1 Reviewed In : 2017 IEC Pub 45-1:1991	Steam turbine Part 1 specification
6	IS 15661 : 2006 ISO 10439 Reviewed In : 2021	Petroleum chemical and gas service industries - Centrifugal compressors
7	IS 15879 : 2009 Reviewed In : 2019	Breathing air compressor package - Specification
8	IS 17093 : 2019 Reviewed In : 2024	Technical supply conditions for reciprocating air compressors for general purpose and industrial applications
9	IS 5456 : 2024	Positive Displacement Type Air Compressors and Exhausters Testing and Acceptance Third Revision
10	IS 6430 : 2023	MOBILE AIR COMPRESSOR FOR CONSTRUCTION PURPOSES SPECIFICATION Second Revision
11	IS 7938 : 2023	Air Receivers for Compressed Air Installation Specification First Revision





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*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10594 : 2021	Specification for Thermostatic Expansion Valves		-	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 Reviewed In : 2022	Finned type heat exchanger for room air conditioner (First Revision)	May, 2022	3	Indigenous
6	IS 11330 : 2021	Refrigeration Oil Separator General Specification Construction Requirements and Testing		-	Indigenous
7	IS 11561 : 2018 Reviewed In : 2022	Code of practice for testing of water cooling towers (First Revision)	May, 2022	-	Indigenous
8	IS/ISO 11650 : 1999 Reviewed In : 2022 ISO 11650 : 1999	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	Specification for Desiccant Driers		-	Indigenous
11	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
12	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
13	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
14	IS 1391 (Part 1) : 2017 Reviewed In : 2022	Room air conditioners - Specification: Part 1 unitary air conditioners (Third Revision)	January, 2022	4	Indigenous
15	IS 1391 (Part 1) : 2023	Room Air Conditioners Specification Part 1 Unitary Air Conditioners Fourth Revision		-	Indigenous
16	IS 1391 (Part 2) : 2018 Reviewed In : 2022	Room air conditioners - Specification: Part 2 split air conditioners (Third Revision)	May, 2022	4	Indigenous
17	IS 1391 (Part 2) : 2023	Room Air Conditioners Specification Part 2 Split Air Conditioners Fourth Revision		-	Indigenous
18	IS 14618 : 2022	Automotive Vehicles — Air Conditioning and Heating Systems Thermal Performance — Method of Measurement (Second Revision)		1	Indigenous
19	IS 1474 : 1959 Reviewed In : 2022	Specification for commercial refrigerators	May, 2022	-	Indigenous
20	IS 1475 : 2001 Reviewed In : 2022	Self - Contained drinking water coolers - Specification: Part 1 energy consumption and	January, 2022	-	Indigenous

		performance (Third Revision)			
21	IS 1475 : 2024	Drinking Water Coolers - Specification (Fourth Revision)		-	Indigenous
22	IS 16590 : 2023	Liquid Chilling Package Units - Specification (First Revision)		-	Indigenous
23	IS 16656 : 2017 ISO 817 : 2014 Reviewed In : 2021 ISO 817 : 2014	Refrigerants - Designation and safety classification	April, 2021	2	Identical under dual numbering
24	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
25	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
26	IS 16672 (Part 2) : 2017 ISO 23953-2 : 2015 Reviewed In : 2021 ISO 23953-2:2015	Refrigerated display cabinets: Part 2 classification, requirements and test conditions	April, 2021	-	Modified/Technically Equivalent
27	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
28	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
29	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
30	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
31	IS 16678 (Part 4) : 2018 ISO 5149-4 : 2014 Reviewed In : 2022 IS 16678 (Part 4)/ISO 5149-4	Refrigerating systems and heat pumps - Safety and environmental requirements: Part 4 operation, maintenance, repair and recovery	May, 2022	-	Identical under dual numbering
32	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
33	IS 16753 (Part 2) : 2018 ISO 29463-2 : 2011 Reviewed In : 2022	High - Efficiency filters and filter media for removing particles in air: Part 2 aerosol production, measuring equipment and particle -	May, 2022	-	Identical under dual numbering

	ISO 29463-2 :2011	Counting statistics			
34	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
35	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
36	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
37	IS 17550 : 2021	Household Refrigerating Appliances — Characteristics and Test Methods Part 1 General Requirements		-	Indigenous
38	IS 17550 (Part 1) : 2024	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements (First Revision)		-	Indigenous
39	IS 17550 : 2021 62552-2: 2015	Household Refrigerating Appliance- Characteristics and test methods Part 2 Performance requirements		-	Not Equivalent
40	IS 17550 (Part 2) : 2024 62552-2: 2015	Household Refrigerating Appliances - Characteristics and Test Methods Part 2 Performance Requirements (First Revision)		-	Not Equivalent
41	IS 17550 (Part 3) : 2021 62552-3	Household Refrigerating Appliance- Characteristics and test methods Part 3 Energy Consumption and volume		-	Modified/Technically Equivalent
42	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
43	IS 17570 (Part 2) : 2021 ISO 16890-2:2016	Air Filters for general ventilation Part 2 Measurement of fractional efficiency and air flow resistance Modified adoption of ISO 16890-2:2016		-	Modified/Technically Equivalent
44	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
45	IS 17570 (Part 4) : 2021 ISO 16890-4:2016 ISO 16890-4:2016	Air Filters for general ventilation Part 4 Conditioning method to determine the minimum fractional test efficiency (adoption of ISO 16890-4:2016)		-	Identical under dual numbering

46	IS/ISO 17584 : 2022 IS/ISO 17584 IS/ISO 17584	Refrigerant properties (First Revision)		-	Identical under single numbering
47	IS 17681 : 2022	Specification for Bottled water dispensers		1	Indigenous
48	IS 17693 : 2022	Non-electric Cooling Cabinet Made of Clay		-	Indigenous
49	IS 17773 : 2022	Closed-Circuit Ammonia Refrigeration System â€” Code of Practice for Design and Installation (ANSI/IIAR 2 : 2014, NEQ)		-	Indigenous
50	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
51	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
52	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
53	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
54	IS 18728 : 2024	Multiple split-system air conditioners and air-to-air heat pumps (VRF air conditioners) - Specification		-	Indigenous
55	IS 18794 : 2024	Air Handling Units - Specification		-	Indigenous
56	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
57	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
58	IS 18846 : 2024 IEC TR 63061:2017 IEC TR 63061:2017	ADJUSTED VOLUME CALCULATION FOR REFRIGERATING APPLIANCES		-	Identical under dual numbering
59	IS 18847 : 2024 ISO 22712: 2023 ISO 22712: 2023	Refrigerating systems and heat pumps Competence of personnel		-	Identical under dual numbering
60	IS 18848 : 2024 ISO 18326: 2018	Non-Ducted Portable Air-Cooled Air Conditioners and Air-to-Air Heat Pumps having a Single		-	Modified/Technically Equivalent

		Exhaust Duct - Testing and Rating for Performance			
61	IS 18932 : 2024	Electronic Expansion Valve - Specification		-	Indigenous
62	IS 2167 : 2024 ISO 22044:2021 ISO 22044:2021	Commercial Beverage Coolers - Classification, Requirements and Test Conditions (Third Revision)		-	Identical under dual numbering
63	IS 2167 : 2019 ISO 22044:2021	Specification for bottle coolers (Second Revision)	-	-	Identical under dual numbering
64	IS 2370 : 2014 Reviewed In : 2024	Walk - In cold rooms - Specification (First Revision)	June, 2024	-	Indigenous
65	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
66	IS 3315 : 2024	Direct Evaporative Air Cooler - Specification (Fourth Revision)		-	Indigenous
67	IS 3315 : 2019	Evaporative air coolers (Desert Coolers) - Specification (Third Revision)	-	-	Indigenous
68	IS 3615 : 2024	Refrigeration and Air Conditioning - Glossary of Terms (Third Revision)		-	Indigenous
69	IS 3615 : 2020 Reviewed In : 2024	Glossary of Terms Used in Refrigeration and Air Conditioning (Second Revision)	June, 2024	-	Indigenous
70	IS 4831 : 2019	Recommendation on units and symbols for refrigeration (First Revision)	-	-	Indigenous
71	IS 5111 : 1993 ISO 917 Reviewed In : 2022 ISO 917 : 1999	Testing of refrigerant compressors (First Revision)	May, 2022	-	Identical under dual numbering
72	IS 60335 (Part 2/Sec 34) : 2021 IEC 60335-2-34: 2021 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		-	Identical under single numbering
73	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
74	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	April, 2023	-	Identical under dual numbering
75	IS 655 : 2006 Reviewed In : 2022 ISO 7807: 1983	Air ducts - Specification (Second Revision)	January, 2022	2	Not Equivalent
76	IS 7613 : 1975	Method of testing panel type air	March, 2017	-	Indigenous

	Reviewed In : 2017	filters for air - Conditioning and ventilation purposes			
77	IS 7872 : 2020 Reviewed In : 2024	Deep Freezers - Specification (Second Revision)	June, 2024	1	Indigenous
78	IS 7896 : 2023	Air Conditioning Outdoor Design Conditions Data for Indian Cities (Second Revision)		-	Indigenous
79	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
80	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
81	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
<i>No Records Found</i>		

Preliminary Draft Standards

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

Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
1	MED 3 (27207)	HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES SAFETY PARTICULAR REQUIREMENTS FOR ELECTRICAL HEAT PUMPS AIR-CONDITIONERS AND DEHUMIDIFIERS Modified Adoption of IEC 60335-2-40 2022
2	MED 3 (27285)	Finned type heat exchanger for room air conditioner First Revision Amendment - 4

Draft Standards Completed WC Stage

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

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
1	MED 3 (26463) Revision of: IS 2167:2024	Bottle Coolers - Specification ISO 22044 2021 MOD Fourth Revision

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MED 3 (22237) Revision of: IS 17550:2021	Household Refrigerating Appliances - Characteristics and Test Methods Part 3 Energy Consumption and Volume First Revision
2	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
3	MED 3 (26440) Revision of: IS 17570:2021	Air Filters for General Ventilation Part 2 Measurement of Fractional Efficiency and Airflow Resistance First Revision
4	MED 3 (26474)	Closed-Circuit Ammonia Refrigeration System - Code of Practice for Design and Installation ANSI IIAR 2 2014 NEQ Amendment - 1

Total Published Standards:59 Total Standards Under development:7

Aspect Wise Report

Product : 37
Code of Practices : 2
Methods of Test : 16
Terminology : 3
Dimensions : 0
System Standard : 1
Safety Standard : 5
Others : 7
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. 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 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
7	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
8	IS 1869 : 1961 Reviewed In : 2017	Specification for ice cans
9	IS 2374 : 1963 Reviewed In : 2017	Specification for ice tanks
10	IS 3621 : 1966 Reviewed In : 1991	Domestic Refrigerators absorption Type
11	IS 5038 : 1969 Reviewed In : 2017	Specification for ice cube trays for domestic refrigerators
12	IS 659 : 1964 Reviewed In : 2017	Safety code for air conditioning
13	IS 660 : 1963 Reviewed In : 2017	Safety code for mechanical refrigeration
14	IS/ISO 817 : 2005 Reviewed In : 2017 IS	Refrigerants Designation System

16656:2017/ISO 817:2014

15

IS 9210 : 1979
Reviewed In : 2017

Refrigerated Display Cabinets

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10594 : 2021 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 Reviewed In : 2022	Finned type heat exchanger for room air conditioner First Revision
6	IS 11330 : 2021 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 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 1474 : 1959 Reviewed In : 2022	Specification for commercial refrigerators
12	IS 1475 : 2024	Drinking Water Coolers - Specification Fourth Revision
13	IS 16590 : 2023	Liquid Chilling Package Units - Specification First Revision
14	IS 16672 (Part 2) : 2024	Refrigerated display cabinets Part 2 Classification requirements and test conditions ISO 23953-2 2015 MOD First Revision
15	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
16	IS 17550 (Part 1) : 2024	Household Refrigerating Appliances - Characteristics and Test Methods Part 1 General Requirements First Revision
17	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
18	IS 17681 : 2022 ISO 13737:2004	Specification for Bottled water dispensers
19	IS 17693 : 2022 ISO 12967-2:2020	Non-electric Cooling Cabinet Made of Clay
20	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
21	IS 18728 : 2024	Multiple split-system air conditioners and air-to-air heat pumps VRF air conditioners - Specification
22	IS 18794 : 2024	Air Handling Units - Specification
23	IS 18801 : 2023 ISO 22041:2019	Refrigerated storage cabinets and counters for professional use Performance and energy consumption

24	IS 18802 : 2023 ISO 22042:2021	Blast chiller and freezer cabinets for professional use Classification requirements and test conditions
25	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
26	IS 18932 : 2024	Electronic Expansion Valve - Specification
27	IS 2167 : 2024 ISO 22044:2021	Commercial Beverage Coolers - Classification Requirements and Test Conditions Third Revision
28	IS 2370 : 2014 Reviewed In : 2024	Walk - In cold rooms - Specification First Revision
29	IS 3315 : 2024	Direct Evaporative Air Cooler - Specification Fourth Revision
30	IS 4831 : 2019	Recommendation on units and symbols for refrigeration First Revision
31	IS 60335 (Part 2/Sec 34) : 2021 IEC 60335-2-34: 2021 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
32	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
33	IS 655 : 2006 Reviewed In : 2022 ISO 7807: 1983	Air ducts - Specification Second Revision
34	IS 7872 : 2020 Reviewed In : 2024	Deep Freezers - Specification Second Revision
35	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
36	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
37	IS 8148 : 2018 Reviewed In : 2022 ISO 13253 : 2017 ISO 16358 (Part 1) : 2013	Ducted and package air - Conditioners - Specification Second Revision