BUREAU OF INDIAN STANDARDS

Program of Work

ETD 15 : Rotating Machinery

Scope: To prepare standards on rotating electrical machines like induction, synchronous, motors, generators, dc machines and turbines including carbon brushes for electrical machines (with the exception of traction machines and rotating machinery coming under the purview of other Committees)

Liaison: IEC TC-116 (O): Safety of motor-operated electric tools IEC TC-2 (P): Rotating machinery

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1		Specification for centrifugal switch		-	Indigenous
		for single - Phase induction motors			
	Reaffirmed but not				
	taken up for revision				
2	IS 12065 : 1987	Permissible limits of noise levels	March, 2019	1	Modified/Technically
	IEC 60034-9	for rotating electrical machines			Equivalent
	Reviewed In : 2019		L 1 0010		
3	IS 12075 : 2008	Mechanical vibration of rotating	July, 2018	-	Modified/Technically
	Reviewed In : 2018	electrical machines with shaft			Equivalent
	60034-14: 2018	heights 56 mm and higher -			
		Measurement, evaluation and limits			
		of vibration severity (First Revision)			
4	IS 12075 : 2024	Mechanical Vibration of Rotating			Modified/Technically
4	60034-14: 2018	Electrical Machines with Shaft		-	Equivalent
	00054-14. 2010	Heights 56 mm and Higher			Equivalent
		â€"Measurement, Evaluation and			
		Limits of Vibration Severity (IEC			
		60034-14 : 2018, MOD) (Second			
		Revision)			
5	IS 1231 : 2019	Dimensions and Output Series of	June, 2024	-	Modified/Technically
		Foot Mounted Induction Motors —			Equivalent
	Reviewed In : 2024	Frame Numbers 56 to 315 L (1
	IEC 60072	Fourth Revision)			
6	IS 12615 : 2018	Line Operated Three Phase a.c.	-	2	Modified/Technically
		Motors (IE CODE) "Efficiency			Equivalent
	IEC 60034-30-1 :	Classes and Performance			
	2014	Specification" (Third Revision)			
7		Brush - Holders for slip rings group	March, 2019	-	Modified/Technically
	IEC 60778	R, type RA - Specification			Equivalent
	Reviewed In : 2019				
	Reaffirmed but not				
	taken up for revision				
	IEC Report 778 (

Published Standards

	198-I)				
8	IS 12998 : 2024 1680	Acoustics Test Code for the Measurement of Airborne Noise		-	Identical under dual numbering
	1680	Emitted by Rotating Electrical Machines			
9	IS 13364 (Part 1) : 1992	Ac generators driven by reciprocating internal combustion	August, 2024	-	Modified/Technically Equivalent
	IEC 60034-1	engines - Specification: Part 1			Equivalent
	Reviewed In : 2024	alternators rated up to 20 kVa			
10	IS 13364 (Part 2) :	Ac generators driven by	August, 2024	1	Modified/Technically
	1992 IEC 60341	reciprocating internal combustion engines - Specification: Part 2			Equivalent
		alternators rated above 20 kVa and			
	IEC : Pub 34-1- 1983	up to 1250 kVa			
	IS 4722 : 1968 BS				
	5000 Part 99-1974 (1981) ANSI C50.				
	IO- 1977. NEMA				
	MG 1.22-1				
1	IS 13466 : 1992	Brushes for electrical machines -		-	Modified/Technically
	IEC 60136, 467, 773 Reviewed In : 2019	Specification			Equivalent
	Reaffirmed but not				
	taken up for revision				
	iec Pub 136 (1986				
	Pub 467 (1974)				
	IEC Pub 773 (1983)				
2	IS 13525 : 1992	Flexible conductors for carbon		-	Modified/Technically
	Reviewed In : 2019	brushes - Specification			Equivalent
	Reaffirmed but not				
	taken up for revision JIS C 2802 : 1970				
13	IS 13529 : 2021	ROTATING ELECTRICAL		-	Modified/Technically
		MACHINES PART 26 EFFECTS			Equivalent
	60034-26:2006	OF UNBALANCED VOLTAGES ON THE PERFORMANCE OF			
		THREE-PHASE CAGE			
		INDUCTION MOTORS			
14	IS 13555 : 1993	Guide for selection and application	March, 2019	-	Indigenous
	Reviewed In : 2019 Reaffirmed but not	of 3 - Phase AC induction motors for different types of driven			
	taken up for revision	• •			
	-				
5	IS 13584 : 1993 IEC 413	Brush materials for electrical	March, 2019	-	Modified/Technically
	Reviewed In : 2019	machinery - Specification			Equivalent
	Reaffirmed but not				
	taken up for revision				
	IEC -Pub 413 : 1972 , IEC Pub 773 : 1983				
	, IEC FUD 775 . 1985				
16	IS 13586 : 2023	Carbon Brushes Brush Holders		-	Identical under dual
	60276: 2018	Commutators and Slip-Rings			numbering
17	60276: 2018 IS 13937 (Part 1) :	Definitions and Nomenclature Statistical methods of determining	November, 2022		Identical under dual
1/	13 13937 (Part 1). 1994	and verifying stated noise emission	11010111001, 2022	-	numbering
	ISO 7574-1	values of machinery and			
	Reviewed In : 2022	equipment: Part 1 general			

	ISO 7574/1	considerations and definitions			
18	IS 13937 (Part 2):	Statistical methods of determining	August, 2024	-	Identical under dual
	1994	and verifying stated noise emission	_		numbering
	ISO 7574-2	values of machinery and			
	Reviewed In : 2024	equipment: Part 2 methods for			
	ISO 7574/2	stated values for individual			
	100 /0/ 112	machines			
9	IS 13937 (Part 3) :	Statistical methods for determining	November, 2022	-	Identical under dual
	1994	and verifying stated noise emission			numbering
	ISO 7574-3	values of machinery and			_
	Reviewed In : 2022	equipment: Part 3 simple			
	ISO 7574/3	(Transition) method for stated			
	100 /07 170	values for batches of machines			
0	IS 13937 (Part 4) :	Statistical methods of determining	November, 2022		Identical under dual
U I	19994	and verifying stated noise emission	100000000000000000000000000000000000000		
	ISO 7574-4				numbering
		values of machinery and			
	Reviewed In : 2022	equipment: Part 4 methods for			
	ISO 7574/4	stated values for batches of			
_		machines			
1	IS 14195 : 1994	Brush - Holders for electrical	June, 2024	-	Identical under dual
	IEC 61015	machines - Guide to the			numbering
	Reviewed In : 2024	measurement of the static thurst			
	IECPub 1015: 1990	applied to brushes			
	Z				
2	IS 14196 : 1994	Definitions and terminology of	March, 2023	-	Identical under dual
	IEC 560	brush holders for electrical			numbering
	Reviewed In : 2023	machines			
	IEC Pub 560 : 1977				
3	IS 14197 : 2023	Hydraulic Turbines Storage Pumps		-	Identical under dual
	60193: 2019	and Pump-Turbines - Model			numbering
	60193: 2019	Acceptance Tests			6
4	IS 14376 : 1996	Brush holders for electrical		-	Modified/Technicall
	IEC 136	machines - Specification			Equivalent
	Reviewed In : 2017	indefinites opecation			Equivalent
	Reaffirmed but not				
	taken up for revision				
	-				
	IEC Pub 136 (IY86) IS 14377 : 1996	Specification for three Dhase			Madified/Teahnicall
5		Specification for three - Phase		-	Modified/Technicall
	Reviewed In : 2017	induction motors for fans used in			Equivalent
_	IEEMA 8 : 1987	air - Conditioning and ventilation			
6	IS 14569 : 1999	Commutators for electrical		-	Indigenous
	Reviewed In : 2019	machines - Specification			
	Reaffirmed but not				
	taken up for revision				
7	IS 14578 : 1999	Three - Phase induction motors for	March, 2019	1	Indigenous
′	Reviewed In : 2019		Iviai (11, 2019	1	murgenous
		use in nuclear power plants -			
	Reaffirmed but not	Specification			
	taken up for revision				
8	IS 14582 : 2021	Single-phase small ac electric		-	Indigenous
		motors for centrifugal pumps for			
		agricultural applications			
9	IS 14889 : 2000	Copper tamping powder for carbon	December, 2015	_	Indigenous
-	Reviewed In : 2015	brushes - Specification			
	Reaffirmed but not	specification			
	taken up for revision				
	unter up for revision				1
			1		

	Reviewed In : 2019	maintenance of DC motors - Code of practice			
31	IS 15880 : 2009 Reviewed In : 2019	Three phase cage induction motors when fed from IGBT converters -		-	Identical under dual numbering
32	IEC 60034-17 IS 15881 : 2009 Reviewed In : 2019	Application guide Three phase cage induction motors specifically designed for IGBT	June, 2019	-	Indigenous
33	IS 15999 (Part 7) : 2024	converter supply - Specification ROTATING ELECTRICAL MACHINES Part 7: Classification		-	Identical under dual numbering
	IEC 60034-7:2020 60034-7	of types of construction mounting arrangements and terminal box position (IM Code) (Second Revision)			hansering
34	IS 15999 (Part 1) : 2021 IEC 60034-1: 2017 IEC 60034-1: 2017	Rotating electrical machines - Part 1 : Rating and performance		-	Identical under dual numbering
35	IS 15999 (Part 2/Sec 1) : 2023 60034-2-1	Rotating Electrical Machines Part 2-1: Standard Methods for Determining Losses and Efficiency from Tests Excluding Machines for Traction Vehicles		-	Identical under dual numbering
6	IS 15999 (Part 3) : 2023 60034-3 60034-3	ROTATING ELECTRICAL MACHINES Part 3: Specific requirements for synchronous generators driven by steam turbines or combustion gas turbines and for synchronous compensators first revision		-	Identical under dual numbering
7	IS 15999 (Part 4/Sec 1) : 2023 60034-4-1 60034-4-1			-	Identical under dual numbering
8	IS 15999 (Part 15) : 2017 IEC 60034-15 : 2009 Reviewed In : 2024 IEC 60034-15 : 2009	Coils for Rotating ac Machines	June, 2024	-	Identical under dual numbering
9	IS 15999 (Part 18/Sec 41) : 2018 IEC 60034-18-41 : 2014 IEC 60034-18-41: 201	Rotating electrical machines: Part 18 partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters Sec 41 qualification and quality control tests		-	Identical under dual numbering
-0	IS 15999 (Part 18/Sec 42) : 2018 IEC 60034-18-41 : 2014 IEc 60034-18-42 : 20	Rotating Electrical Machines Part 18 Partial Discharge Free Electrical Insulation Systems (Type I) Used in Rotating Electrical Machines Fed From Voltage Converters Section 41 Qualification and quality control tests		-	Identical under dual numbering
1	IS 15999 (Part 20/Sec 1) : 2023	Rotating Electrical Machines Part 20-1: Control Motors Stepping		-	Identical under dual numbering

	60034-20-1: 2002				
12	IS 15999 (Part 26) :	Rotating Electrical Machines Part	June, 2024	-	Identical under dual
	2016	26 Effects of Unbalanced Voltages			numbering
	IEC 60034-26 : 2006	on the Performance of Three-			
	Reviewed In : 2024	Phase Cage Induction Motors			
	IEC 60034-26 :				
	2006				
3	IS 2223 : 1983	Dimensions of flange mounted AC		2	Modified/Technically
	IEC 60072	induction motors			Equivalent
	Reviewed In : 2017				
	IEC Pub 72 (1971)				
4	IS 2254 : 1985	Dimensions of vertical shaft		-	Identical under dual
	Reviewed In: 2017	motors for pumps (Second			numbering
		Revision)			
5	IS 2972 (Part 1):	Specification for textile motors:		2	Indigenous
	1979	Part 1 loom motors (First Revision)			
	Reviewed In: 2017				
	Reaffirmed but not				
	taken up for revision				
6	IS 2972 (Part 2):	Specification for textile motors:		1	Indigenous
	1979	Part 2 card motors (First Revision)			
	Reviewed In: 2017				
	Reaffirmed but not				
	taken up for revision				
17	IS 4029 : 2010	Guide for testing three phase	March, 2016	-	Indigenous
	Reviewed In : 2016	induction motors (First Revision)			
48	IS 4665 (Part 1) :	Hand-Held Motor-Operated		-	Identical under dual
	2023	Electric Tools Safety Part 1:			numbering
	60745-1: 2006	General requirements Second			
	60745-1:2006	Revision			
49	IS 4665 (Part 2/Sec	Hand-Held Motor-Operated		-	Identical under dual
	1):2023	Electric Tools Safety Part 2			numbering
	60745-2-1	Particular requirements Section 1			
	60745-2-1	drills and impact drills			
50	IS 4665 (Part 2/Sec	Hand-held motor-operated electric		-	Identical under dual
	2):2023	tools - Safety - Part 2 Particular			numbering
	60745-2-2	requirements Section 2			
	60745-2-2	screwdrivers and impact wrenches			
51	IS 4665 (Part 2/Sec	Hand-held motor-operated electric		-	Identical under dual
	3):2023	tools - Safety Part 2 Particular			numbering
	60745-2-3	requirements Section 3 grinders			
	60745-2-3	polishers and disk-type sanders			
52	IS 4665 (Part 2/Sec	Hand-Held Motor-Operated		-	Identical under dual
	5):2023	Electric Tools Safety Part 2			numbering
	60745-2-5	Particular Requirements Section 5			
	60745-2-5	Circular Saws			
53	IS 4665 (Part 2/Sec	Hand-Held Motor-Operated		-	Identical under dual
	6):2023	Electric Tools - Safety Part 2			numbering
	60745-2-6	Particular Requirements Section 6			
	60745-2-6	Hammers			
54	IS 4665 (Part 2/Sec	Safety of Hand-Held Motor-		-	Identical under dual
	7):2023	Operated Electric Tools Part 2			numbering
	60745-2-7	Particular Requirements Section 7			
	60745-2-7	Spray Guns for Non-Flammable			
		Liquids			
55	IS 4758 : 1968	Liquids Methods of measurement of noise			Modified/Technically

	Reviewed In : 2017				
	ISO Recommendation				
	495				
56	IS 5422 : 1996	Turbine type generators -		-	Modified/Technically
	IEC 60034-3	Specification (First Revision)			Equivalent
	Reviewed In : 2017				
<i>с</i> л	IEC Pub 34-3 (1988)		2010		
57	IS/IEC 60034-5 : 2000	Rotating electrical machines: Part 5 degrees of protection provided by	May, 2018	-	Identical under single
	Reviewed In : 2018	the integral design of rotating			numbering
	IEC 60034 : PART 5	<u> </u>			
		Classification			
58		Rotating Electrical Machines Part 8	June, 2024	-	Identical under single
	2014	Terminal Markings and Direction			numbering
	IEC 60034-8 : 2014	of Rotation (Third Revision)			
	Reviewed In : 2024 IEC 60034-8: 2014				
59	IS/IEC 60034-8: 2014	Rotating Electrical Machines Part	June, 2024		Identical under single
57	2018	27 Winding Insulation of Rotating	June, 2021		numbering
	IEC 60034-27-4 :	Electrical Machines Section 4			
	2018	Measurement of insulation			
	Reviewed In : 2024	resistance and polarization index			
	IEC 60034-27-4				
60	IS 6362 : 1995 IEC 34-6	Designation of methods of cooling	November, 2022	-	Identical under dual
	Reviewed In : 2022	of rotating electrical machines (First Revision)			numbering
	IEC Pub 34-6 : 1991				
	ZY				
61	IS 7538 : 1996	Three - Phase squirrel cage		3	Indigenous
	Reviewed In : 2017	induction motors for centrifugal			
		pumps for agricultural application -			
		Specification (First Revision)			
62		Guide for testing single - Phase AC		-	Modified/Technically
	Reviewed In : 2017 IS : 4029-1967 AIEE	and universal motors			Equivalent
	Publication IEEE				
	No 114-19.58				
	NEMA Standard				
	M.G. 1				
63	IS 8151 : 1976	Specification for single - Speed		2	Indigenous
	Reviewed In : 2017	three - Phase induction motors for			
64	10.0151.0004	driving lifts			Indiana
64	IS 8151 : 2024	Single-Speed Three-Phase Induction Motors for Driving Lifts		-	Indigenous
		- Specification (First Revision)			
65	IS 8223 : 1999	Dimensions and output series for	November, 2022	-	Identical under dual
	IEC 60072 -2	rotating electrical machines (First			numbering
	Reviewed In : 2022	Revision)			
	IEC 60072-2 (1990)				
66	IS 8789 : 2021	Values of performance		-	Indigenous
		characteristics for three-phase			
		induction motors with degree of protection 2X			
67	IS 900 : 2019	Code of Practice for Storage,	June, 2024	-	Indigenous
01	15 200 . 2012	Installation and Maintenance of	5 uno, 2027		margenous
	Reviewed In : 2024	Induction Motors (Third Revision			
)			
	IS 9283 : 2024	LINE OPERATED A.C.			Indigenous

		MOTORS FOR SUBMERSIBLE PUMPSETS - SPECIFICATION (THIRD REVISION)			
69	IS 9283 : 2013 Reviewed In : 2018	Motors for submersible pumpsets - Specification (Second Revision)	May, 2018	-	Indigenous
70	IS 9320 : 1979 Reviewed In : 2017 GOST : 183-1966 Electric machinery general technical requirements. Union of Soviet Socialist Republi	Guide for testing direct - Current (DC) machines	March, 2017	1	Modified/Technically Equivalent
71	IS 9919 : 1999 Reviewed In : 2018 Reaffirmed but not taken up for revision	rotating machines (First Revision)	February, 2018	-	Indigenous
72	IS 996 : 2009 Reviewed In : 2019 IEC 34-1 (1969 BS 170: 1962 JIS 4203-1973 BS 1608 : 1966	Single phase a.c. induction motors for general purpose (Third Revision)		2	Identical under dual numbering

Standards under Development

Projects Approved					
SI. No.	Doc No.	Title			
	No Records Found				

	Preliminary Draft Standards				
SI. No.	Doc No.	Title			
1	ETD 15 (26349) Revision	Ac generators driven by reciprocating internal combustion engines - Specification Part 1			
	of: IS 13364:1992	alternators rated up to 20 kVa			
2	ETD 15 (26350) Revision	Ac generators driven by reciprocating internal combustion engines - Specification Part 2			
	of: IS 13364:1992	alternators rated above 20 kVa and up to 1250 kVa			
3	ETD 15 (26786) Revision	Line Operated Three Phase ac Motors IE CODE Efficiency Classes and Performance			
	of: IS 12615:2018	Specification			
4	ETD 15 (26890) Revision	Guide for testing single - Phase AC and universal motors			
	of: IS 7572:1974				
5	ETD 15 (26913) Revision	SPECIFICATION FOR THREE-PHASE INDUCTION MOTORS FOR FANS USED IN AIR-			
	of: IS 14377:1996	CONDITIONING AND VENTILATION			
6	ETD 15 (26945) Revision	Guide for testing three phase induction motors			
	of: IS 4029:2010				

	Drafts Standards in WC Stage				
SI. No.	Doc No.	Title			
1	ETD 15 (26513) Revision	THREE PHASE INDUCTION MOTORS FOR USE IN NUCLEAR POWER PLANTS -			
	of: IS 14578:1999	SPECIFICATION			

	Draft Standards Completed WC Stage				
SI. No.	Doc No.	Title			
1	ETD 15 (26271) Revision	Rotating electrical machines - Part 25 AC electrical machines used in power drive systems -			

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	Finalized Draft Indian Standard				
SI. No.	Doc No.	Title			
1	ETD 15 (25631) Revision	Rotating electrical machines - Part 1 Rating and performance Third Revision			
	of: IS 15999:2021				
2	ETD 15 (25633) Revision	Rotating Electrical Machines Part 2 for Determining Losses and Efficiency from Tests Section 1			
	of: IS 15999:2023	Standard Methods Excluding Machines for Traction Vehicles			
3	ETD 15 (26175) Revision	Guide for testing direct - Current DC machines			
	of: IS 9320:1979				

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	ETD 15 (25587) Revision	Permissible limits of noise levels for rotating electrical machines
	of: IS 12065:1987	
2	ETD 15 (25598) Revision	SINGLE PHASE ac INDUCTION MOTORS FOR GENERAL PURPOSE Fouth Revision
	of: IS 996:2009	
3	ETD 15 (25628)	Rotating electrical machines Part 23 Repair overhaul and reclamation
4	ETD 15 (25634) Revision	Rotating electrical machines - Part 5 Degrees of protection provided by the integral design of
	of: IS/IEC 60034:2000	rotating electrical machines IP code - Classification Third Revision
5	ETD 15 (26272) Revision	Rotating electrical machines - Part 18-41 Partial discharge free electrical insulation systems Type I
	of: IS 15999:2018	used in rotating electrical machines fed from voltage converters - Qualification and quality control
		tests
6	ETD 15 (26273) Revision	Rotating electrical machines - Part 18-42 Partial discharge resistant electrical insulation systems
	of: IS 15999:2018	Type II used in rotating electrical machines fed from voltage converters - Qualification tests

Total Published Standards:67 Total Standards Under development:17

Aspect Wise Report
Product : 32
Code of Practices : 9
Methods of Test: 14
Terminology : 8
Dimensions : 4
System Standard : 0
Safety Standard : 1
Others: 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

SI. No.	IS No. & Year	Title
1	IS 10534 : 1983	Method of measurement of airborne noise emitted by gas turbine installations
	ISO/DIS 6190	
	Reviewed In :	
	2017 ISO/DIS 6190	
2	IS 12066 : 1987	Specification for three - Phase induction motors for machine tools
	Reviewed In : 2019 IEMA:	
	1-1978 IEMA	
3	IS 12615 : 2011	Energy Efficient Induction Motors - Three Phase Squirrel Cage
	Identical	
4	IS 12802 : 1989	Temperature-rise Measurements Of Rotating Electrical Machines
	IEC 34-1	

	Reviewed In : 2009	
5	IS 12824 : 1989	Prelaminated particle boards from wood and other lignocellulosic material - Specification Firs
	IEC 34-1	Revision
	Reviewed In : 2009	
6	IS 12998 (Part 1) : 1991	Methods of measurement of airborne noise emitted by rotating electrical machinery Part 1
	ISO 1680-1	engineering method for free - Field conditions over a reflecting plane
	Reviewed In : 2022 ISO	
	1680/1 :1986	
7	IS 12998 (Part 2) : 1991	Methods of measurement of airborne noise emitted by rotating electrical machinery Part 2 surv
	ISO 1680-2	method
	Reviewed In : 2018 ISO	
	1680/2 :1987	
8	IS 13079 : 1991	Stepping motors - Specification
	Reviewed In : 2017 BS	
	5000 : Part 60 : 1982	
9	IS 13107 : 1991	Guide for measurement of winding resistance of an ac machine during operation at alternating
	IEC 279	voltage
	Reviewed In : 2013	
10	IS 14222 : 1995	Impulse voltage withstand levels of rotating a c machines with form - Wound stator coils
10	IEC 3415	
	Reviewed In : 2017 IEC	
	Pub 34-15 : 1990	
11	IS 14568 (Part 2) : 1998	Dimensions and output series for rotating electrical machines Part 2 frame numbers 355 to 100
11	IS 14508 (Part 2) . 1998 IEC 72-2 : 1990	and flange numbers 1180 to 2360
	Reviewed In : 2022 IEC	and mange numbers 1180 to 2500
12	72-2 (1990)	Pototing electrical machines Part 4 methods for determining synchronous machine quantities fr
12	IS 15999 (Part 4) : 2017	Rotating electrical machines Part 4 methods for determining synchronous machine quantities fr
	IEC 60034-4 : 2008	tests
12	IEC 60034-4 : 2008	Describer Direction Marking DevelopMatter
13	IS 15999 (Part 9) : 2016	Rotating Electrical Machines Part 9 Noise Limits
	IEC 60034-9 : 2003	
14	IEC 60034-9 : 2007	Describes The state 1 March to a Descrit 4 March and a 1 Million to a 2 Observation March to a south Observation
14	IS 15999 (Part 14) : 2016	Rotating Electrical Machines Part 14 Mechanical Vibration of Certain Machines with Shaft
	IEC 60034-14:2007	Heights 56 mm and Higher- Measurement Evaluation and Limits of Vibration Severity
15	IS 2968 : 1964	
15		Dimensions of slide rails for electric motors
	Reviewed In : 2017	
	Reaffirmed but not taken up	
16	for revision DIN 42923	
16	IS 2972 (Part 3) : 1979	Specification for textile motors Part 3 spinning frame motors First Revision
	Reviewed In : 2017	
17	IS 3003 (Part 1) : 1977	Carbon brushes for electrical machines Part 1 Definitions and nomenclature
10	Reviewed In : 1991	
18	IS 3003 (Part 2) : 1977	Carbon brushes for electrical machines Part 2 Test methods for brush materials
10		
19	IS 3003 (Part 3) : 1978	Carbon brushes for electrical machines Part 3 Dimensions and requirements
20	IS 3003 (Part 4) : 1978	Carbon brushes for electrical machines Part 4 Dimensions of chamfers bevels and termination
21	IS 325 : 1996	Three-phase Induction Motors
	IEC 60034-1	
	Reviewed In : 2012	
22	IS 3682 : 1966	Flameproof ac motors for use in mines
	Reviewed In : 2017	
23	IS 4665 (Part 2) : 1984	Specification for portable electric motor - Operated tools Part 2 specific requirements for too
	Reviewed In : 2017 CEE	
	Pub 20 II-1975 BS 2769:	
	1964	
24	IS 4691 : 1985	Rotating electrical Machines Part 5 Degrees of protection provided by enclosure for rotating

	Reviewed In : 2009	electrical machinery
25	IS 4722 : 2001	Rotating Electrical Machines
	IEC 60034-03	
	Reviewed In : 2007	
26	IS 4728 : 1975	Specification for wooden boxes for packaging of apples
	Reviewed In : 2007	
27	IS 4729 : 1975	Measurement and evaluation of vibration of rotating electrical machines
28	IS 4889 : 1968	Methods of determination of efficiency of rotating electrical machines
	IEC 2 D	
	Reviewed In : 2017 IEC	
	document 2D (United	
	Kingdom) 5 Comments	
	from the British Committee	
	on Document 2D	
	(Secretariat)	
29	IS/IEC 60034-1 : 2004	Rotating electrical machines Part 1 Rating and performance
	Reviewed In : 2012 IEC	Rotating electrical machines Fart Fraung and performance
	60034-1 : 2004	
30	IS 7132 : 1973	Guide for testing synchronous machines
50	IEC 60034-1	Oulde for testing synchronous machines
	Reviewed In : 2017 IEC	
	Pub 34-1 (1969) IEC Pub	
	344 (1967) IEEE	
21	115-1965 IS 7306 : 1974	Made de Can determining complete a section de la complete de la comple
31		Methods for determining synchronous machine quantities from tests
	EC 60034-4	
	Reviewed In : 2017 IEC	
	Publication 34-4 (1967)	
	Rotating electrical	
	machines, Part 4 : Methods	
	for determining synchrono	
32	IS 7816 : 1975	Guide for testing insulation resistance of rotating machines
	Reviewed In : 2017 IEEE	
	Code No. 43	
33	IS 9582 (Part 1) : 1980	Specification for single - Phase electric motors for definite purposes Part 1 domestic laundry
	Reviewed In : 2018	machine motors
	Reaffirmed but not taken up	
	for revision	
34	IS 9628 : 1980	Three-phase induction motors with type of protection n
2.	Reviewed In : 2019 BS	
	5000 : Part 16 : 1972	
35	IS 9670 : 1980	Specification for direct current micromotor for cassette tape recorders and other applications
	Reviewed In : 2019	· · · · · · · · · · · · · · · · · · ·

Annexure-II :List of Indian Product Standards		
SI. No.	IS No. & Year	Title
1	IS 11537 : 1985	Specification for centrifugal switch for single - Phase induction motors
	Reviewed In : 2017	
	Reaffirmed but not taken up	
	for revision	
2	IS 12642 : 1989	Brush - Holders for slip rings group R type RA - Specification
	IEC 60778	
	Reviewed In : 2019	
	Reaffirmed but not taken up	
	for revision IEC Report 778	
	(198-I)	
3	IS 13364 (Part 1) : 1992	Ac generators driven by reciprocating internal combustion engines - Specification Part 1

IEC 6003 Reviewed In	1
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