



# PRODUCT NOTE CHANGE NOTICE

DWG .NO. 32057R9527

TECO'S MODEL : TEBY

Revision Date      VOL.      Revised or New Material

第二原稿設變時  
須由原單位處理

RDC	1
WXDC	1
HTEM	1
TSH	1

APPD.	S.J.Hu	14-Sep-15	<b>B</b>  Wuxi, China	DWG NO.	<b>32057R9527</b>
CHKD.	S.L.Zhu	14-Sep-15		REV. 00	
DWN.	J.P.Cao	14-Sep-15		1/2	

EFFECTIVE : 14-Sep-15

REVISED : \_\_\_\_\_

無錫東元電機  
有限公司

2016.6.8

發圖章

# PRODUCT NOTE

**MODEL : TEBY**

**TYPE : AFBY/AFBU**

FLAMEPROOF MOTORS Ex d  
INVERTER DUTY  
LOW VOLTAGE SQUIRREL CAGE  
FRAME SIZE. : 80M ~ 355L

## TABLE OF CONTENTS

DWG NO.		NAME		PAGES	DATE
		32057R9528	SPECIFICATION TABLE	3	14-Sep-15
		32057R9529	Ex d Converter Operation	2	14-Sep-15
		32057R9530	OUTLINE DIMENSIONS SHEET ( IM B3 ) ( 80M ~ 225M )	3	14-Sep-15
		3W049Z270	OUTLINE DIMENSIONS SHEET ( IM B3 ) ( 250M ~ 355L )	2	14-Sep-15
		32057R9531	OUTLINE DIMENSIONS SHEET ( IM B5 ) ( 80M ~ 280M )	4	14-Sep-15
		32057R9532	OUTLINE DIMENSIONS SHEET ( IM B35 ) ( 80M ~ 225M )	3	14-Sep-15
		3W049Z271	OUTLINE DIMENSIONS SHEET ( IM B35 ) ( 250M ~ 355L )	2	14-Sep-15
RDC	1	32057R9533	OUTLINE DIMENSIONS SHEET ( IM V1 ) ( 80M ~ 225M )	3	14-Sep-15
WXDC	1	3W049Z272	OUTLINE DIMENSIONS SHEET ( IM V1 ) ( 250M ~ 355L )	2	14-Sep-15
HTEM	1	32057R9534	SCHEMATIC DRAWING ( IM B3 ) ( 80M ~ 160L )	2	14-Sep-15
TSH	1	3W049Z273	SCHEMATIC DRAWING ( IM B3 ) ( 180M ~ 355L )	1	14-Sep-15
		32057R9535	SCHEMATIC DRAWING ( IM B5 ) ( 80M ~ 280M )	3	14-Sep-15
		32057R9536	SCHEMATIC DRAWING ( IM B35 ) ( 80M ~ 160L )	2	14-Sep-15
		3W049Z274	SCHEMATIC DRAWING ( IM B35 ) ( 180M ~ 355L )	1	14-Sep-15
		32057R9537	SCHEMATIC DRAWING ( IM V1 ) ( 80M ~ 160L )	2	14-Sep-15
		3W049Z275	SCHEMATIC DRAWING ( IM V1 ) ( 180M ~ 355L )	1	14-Sep-15
APPD.		S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	
CHKD.		S.L.Zhu	14-Sep-15		
DWN.		J.P.Cao	14-Sep-15		
DWG NO.					32057R9527
REV. 00					2/2

第二原稿設變時  
須由原單位處理

ISSUED 14-Sep-15			<div>SPECIFICATION TABLE</div> <div>FLAMEPROOF MOTORS Ex d LOW VOLTAGE SQUIRREL CAGE</div>			MODEL <div>TEBY</div>								
REVISED						PAGE 1 of 39								
ITEM						STANDARD SPECIFICATION								
R A T I N G	Kind of Motors			Squirrel - Cage Induction Motors ( SCIM ) .										
	Design Standards			GB										
	Voltages			Fr#80-Fr#100: 220V,230V,380V,400V,415V,440V,460V,480V,220/380V,230/440V, Fr#112-Fr#132: 220V,230V,380V,400V,415V,440V,460V,480V,220/380V,230/440V, 525V,660V,690V,380/660V,400/690V										
				Fr#160~Fr#355:220V,230V,380V,400V,415V,440V,460V,480V,220/380V,230/440V, 525V,660V,690V,380/660V,400/690V,1140V,660/1140V										
	Torque Control			Decreasing torque:5-50Hz      Contant torque:25-50Hz Contant Power:50-100Hz However,2P-45kW Above:Contant Power 50-60Hz 4P-200kW Above:Contant Power 50-60Hz										
	Frequency			50Hz										
	Output Range			0.18 kW ~ 355 kW .( 2 ~ 10 Poles ).										
	Time Duty			Continuous. S1 , S.F. : 1.0										
	Frame Nos.			80M ~ 355L .										
	Protection Enclosure			Standard:Totally Enclosed ( IP55 )										
				Option:IP56,IP65 And IP66(IIC)										
Cooling Method			Self External Fan, Surface Cooling ( IC 411 ) .											
Mounting			AFBY : Horizontal Foot Mounted B3 ( IM 1001 ) .											
			AFBU : Horizontal Flange Mounted B5 ( IM 3001 ) .											
			AFBY : Horizontal Foot And Flange Mounted B35 ( IM 2001 ) .											
			AFBU : Vertical Flange Mounting V1 ( IM 3011 ) .											
A P P L I C A T I O N	Environment Conditions			Place : Zone 1 Hazardous . Ambient Temperature : -20 ~ 50 °C . Relative Humidity : Less Than 90% RH ( Non - Condensation ) . Altitude : Less Than 1,000 Meters .										
	Hazardous Location			Suitable For Zone 1 , Ex d GroupII A, II B , II C										
	Power Source Conditions			Voltage : ±10% , Frequency : ±5% , and 10% Max. of Combined Voltage and Frequency . But Frequency Variation Does Not Exceed ±5% .										
	Method of Starting			Full Voltage Direct On Line or Y - △ Starting .										
	Drive Method			Belt Service , However , 2 Pole 45 kW & Above : For Direct Coupling Only										
	Direction of Rotation			CW According to GB Definition, Suitable For Bi - Directional Operation .										
C O N S T R U C T I O N	Dimensions			IM B3 DWG No. 32057R9530 3W049Z270			IM B35 DWG No. 32057R9532 3W049Z271							
				IM V1 DWG No. 32057R9533 3W049Z272			IM B5 DWG No. 32057R9531							
	Frame			High Grade Cast Iron Has Enough Strength Against Required Explosion Pressure .										
	End Bracket			Ditto .										
	APPD.			S.J.Hu			14-Sep-15			<div>B</div> <div>Wuxi, China</div>			DWG NO.	
CHKD.			S.L.Zhu			14-Sep-15			32057R9528					
DWN.			J.P.Cao			14-Sep-15			REV. 00					
												1/3		

ISSUED			SPECIFICATION TABLE				MODEL	
14-Sep-15							TEBY	
REVISED			FLAMEPROOF MOTORS Ex d				PAGE	
			LOW VOLTAGE SQUIRREL CAGE				2 of 39	
ITEM			STANDARD SPECIFICATION					
C O N S T R U C T I O N	Fan Cover		SPCC .					
	External Fan		Conductive Polypropylene ( Non - Sparking Material ),Aluminum					
	Shaft		Carbon Steel , Cylindrical Single Extension with Keyway and Key .					
	Bearing		Bracket Mounting , Vacuum De - Gassed High Quality Open Bearings for Frame Nos. 180M ~ 355L , Grease Pre - Packed Shielded Rolling Bearings for the Others .					
	Lubrication		Mineral Oil , Li - Base Grease . MULTEMP SRL For Frame Nos .80M ~ 160L , Shell Alvania RI3 For Frame Nos . 180M ~ 355L .					
	Lead Terminal		Max. 6 Leads , With Solderless Lug Terminals .					
	Shaft Seal		Frame NO.	Installation Method	DRIVE END	OPPOSITE DRIVE END		
			Fr#80M~355L	B3 B5 B35 V1	Gamma Seal	Gamma Seal		
	Terminal Box		Cast iron , Flameproof Construction , Over Size , The Cable are Let Out from Left or Right Direction When Facing The Drive End Side , Apart Only by Manufactory . There are two kinds of incoming wirings : rubber - sheathed cable , steel pipe wiring .					
	Iron Core		High Grade , Insulated , Cold - Rolled Electro - Magnetic Steel Plate .					
	Stator Winding		Pre - Formed , Random Wound , Made of Heavy , Polyester Enameled Copper Wire .					
	Stator Insulation		Class F Insulation System .					
	Varnish Treatment		Phenolic Alkyd Resin Varnish .					
	Rotor Winding		Squirrel Cage , Aluminium Conductor with End - Ring and Waffer Blades Integrally Cast .					
	Painting		Phenolic Rust Proof Base Plus Lacquer Surface Finished Painting in Purple - Blue Color ( Munsell 5PB 3/8 ) .					
APPD.	S.J.Hu	14-Sep-15	B  Wuxi, China			DWG NO.		
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DWN.	J.P.Cao	14-Sep-15				REV. 00 2/3		

ISSUED			SPECIFICATION TABLE						MODEL	
14-Sep-15									TEBY	
REVISED			FLAMEPROOF MOTORS Ex d						PAGE	
			LOW VOLTAGE SQUIRREL CAGE						3 of 39	
ITEM			STANDARD SPECIFICATION							
CONTINUOUS	Name Plate		Stainless Steel Plate .							
	Bolt Thread		ISO Metric System ( Strength Catagory 8.8T or 12.9T ) .							
	Grounding Terminal		Two Terminals . One inside The Terminal Box, Another One On The Outside Of The Frame .							
PERFORMANCE	Test Procedure For Explosion Proof		According to GB 3836.1 , GB 3836.2 .							
	Test Procedure		GB/T 1032 Method B , IEC 60034-2-1 And Full Voltage Measuring Starting Performance .							
	Winding Temperature Rise		Not to Exceed 80K By Resistance Method at S.F 1.0 Operation .							
	External Surface Temperature		Comply With Operating Temperature Code T4 For Sinusoidal Power . Comply With Operating Temperature Code T4 For inverter Power .							
	Over Speed		120% Syn. R.P.M. for 2 Min .							
	Over Torque		160% Rated Torque for 15 Sec .							
	Vibration ( r.m.s )		Vibration grade	Shaft height / mm	80 ≤ H ≤ 132	132 < H ≤ 280	H > 280			
			Mounting	Velocity mm/s	Velocity mm/s	Velocity mm/s				
A			Free suspension	1.6	2.2	2.8				
OTHER	Certification Marking		Standard: Ex d II B T4 Gb ( Fr#80~355 ) Other Option:Ex d II C T4 Gb ( Fr#80~225 ) ,Ex d II (H2 ) Gb (Fr#250~355 )							
	Certificate Number		Ex d II B T4 Gb ( Fr#80~355 )							
			F#	CJEx Number	F#	CJEx Number	F#	CJEx Number		
			80	CJEx15.0522	160	CJEx15.0530	280	CJEx15.0515		
			90	CJEx15.0524	180	CJEx15.0532	315	CJEx15.0538		
			100	CJEx15.0526	200	CJEx15.0534	355	CJEx15.0540		
			112	CJEx15.0528	225	CJEx15.0514				
			132	CJEx15.0378	250	CJEx15.0537				
			Ex d II C T4 Gb ( Fr#80~225 ) ,Ex d II (H2 ) Gb ( Fr#250~355 )							
			F#	CJEx Number	F#	CJEx Number	F#	CJEx Number		
			80	CJEx15.0521	160	CJEx15.0531	280	CJEx15.0516		
			90	CJEx15.0523	180	CJEx15.0533	315	CJEx15.0539		
			100	CJEx15.0525	200	CJEx15.0535	355	CJEx15.0541		
			112	CJEx15.0527	225	CJEx15.0180				
			132	CJEx15.0529	250	CJEx15.0536				
APPD.	S.J.Hu	14-Sep-15	B Wuxi, China					DWG NO.		
CHKD.	S.L.Zhu	14-Sep-15						32057R9528		
DWN.	J.P.Cao	14-Sep-15						REV. 00		
								3/3		

ISSUED				PERFORMANCE DATA												MODEL			
14-Sep-15				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												TEBY			
REVISED																PAGE			
				TEFC, CLASS F, 40°C AMBIENT TEMP. IEC ; GB DESIGN N CONTINUOUS DUTY S.F. 1.0, 380V 50HZ TYPICAL PERFORMANCE												( 380V			
OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD <sup>2</sup> kg-m <sup>2</sup>	NOISE SOUND POWER NO- LOAD dB(A)	Approx Weight Kg	
KW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT				
0.18	0.25	650	80M	58.7	56.5	51.1	61.0	55.4	48.9	0.76	2.5	0.27	180	130	190	0.018	48	33	
0.25	0.33	660	80M	64.1	62.3	58.6	61.0	53.2	49.3	0.97	3.2	0.369	180	130	190	0.02	48	35	
0.37	0.5	890	80M	73.5	71.1	68.5	70.0	64.5	50.5	1.09	5.1	0.405	190	130	200	0.011	54	33	
		670	90L	69.3	67.8	64.2	61.0	52.4	41.2	1.33	5.3	0.538	180	130	190	0.022	52	34	
0.55	0.75	1425	80M	79.0	78.9	75.7	69.0	64.5	50.5	1.53	9.5	0.376	300	270	320	0.010	58	29	
		905	80M	70.0	69.7	66.2	69.0	61.0	47.5	1.73	6.5	0.592	210	195	225	0.012	54	42	
		680	90L	73.0	68.0	62.8	61.0	51.8	39.3	1.88	7.5	0.788	180	130	200	0.025	52	45	
0.75	1	2875	80M	80.7	78.3	75.1	84.5	78.0	66.5	1.67	13.0	0.254	280	275	335	0.006	67	29	
		1410	80M	82.5	81.8	79.7	73.5	64.0	50.0	1.88	12.0	0.518	315	290	335	0.013	58	31	
		935	90L	78.9	80.6	79.4	71.0	62.5	49.0	2.03	9.5	0.782	205	190	225	0.022	57	42	
		690	100L	75.0	76.6	75.5	67.0	61.8	52.7	2.27	9.1	1.059	180	130	200	0.031	55	54	
1.1	1.5	2870	80M	82.7	83.0	81.3	85.0	78.5	66.5	2.38	19	0.373	300	295	350	0.007	67	31	
		1430	90L	84.1	84.4	83.2	79.5	71.5	57.5	2.50	18	0.75	255	205	290	0.019	61	40	
		930	90L	81.0	81.2	80.5	72.0	63.5	50.0	2.87	14	1.153	200	185	215	0.026	57	45	
		690	100L	77.7	77.9	77.2	69.0	63.8	54.0	3.12	16	1.554	180	120	200	0.041	55	57	
1.5	2	2850	90L	84.2	85.4	85.8	90.5	87.0	78.0	2.99	24	0.513	220	210	280	0.012	72	40	
		1435	90L	85.3	84.1	82.2	75.0	65.5	51.5	3.56	27	1.019	300	235	335	0.023	61	43	
		950	100L	82.5	82.9	81.5	72.5	65.0	50.2	3.81	19	1.539	280	175	225	0.058	61	56	
		690	112M	79.7	80.1	81.2	70.0	67.3	60.0	4.09	20	2.118	180	120	200	0.065	59	73	
2.2	3	2860	90L	85.9	86.7	86.8	89.5	85.0	75.5	4.35	37	0.75	245	235	315	0.014	72	42	
		1450	100L	86.7	87.3	86.9	81.0	73.5	60.5	4.76	35	1.479	200	160	270	0.045	64	54	
		960	112M	84.3	84.3	82.2	67.0	59.0	47.0	5.92	31	2.233	175	175	250	0.083	65	73	
		710	132S	81.9	81.0	79.2	71.0	67.4	60.0	5.75	34	3.02	180	120	200	0.130	64	88	
3	4	2855	100L	87.1	88.3	88.4	90.0	86.5	78.5	5.81	51	1.024	325	310	355	0.025	76	55	
		1455	100L	87.7	87.7	86.2	78.0	70.5	57.5	6.66	52	2.009	250	240	335	0.052	64	56	
		970	132S	85.6	86.1	85.1	79.5	73.0	60.0	6.70	44	3.014	175	170	300	0.154	69	87	
		710	132M	83.5	84.6	82.0	73.0	70.2	63.7	7.48	45	4.118	180	120	200	0.182	68	96	
4	5.5	2875	112M	88.1	89.0	88.9	91.0	87.5	80.0	7.58	72	1.356	270	250	360	0.046	77	72	
		1445	112M	88.6	88.4	87.9	82.0	76.5	65.5	8.37	60	2.698	245	205	280	0.083	65	72	
		970	132M	86.8	87.2	86.3	79.5	72.5	60.0	8.81	60	4.019	180	175	310	0.205	69	95	
		720	160M	84.8	85.7	85.6	73.0	70.2	64.2	9.82	59	5.414	190	120	200	0.275	68	130	
5.5	7.5	2930	132S	89.2	89.8	89.5	88.5	86.0	79.5	10.6	85	1.829	205	205	340	0.075	80	85	
		1455	132S	89.6	90.4	90.3	85.0	80.5	70.0	11.0	81	3.684	245	200	300	0.132	71	90	
		970	132M	88.0	88.0	86.2	73.5	65.5	52.0	12.9	93	5.525	210	205	345	0.216	69	103	
		720	160M	86.2	86.8	86.5	74.0	71.9	66.5	13.1	79	7.444	190	120	200	0.432	68	144	
7.5	10	2920	132S	90.1	90.9	90.8	87.0	84.5	77.5	14.5	105	2.503	195	195	315	0.081	80	93	
		1460	132M	90.4	90.8	90.4	84.5	79.5	69.0	14.9	116	5.006	270	225	330	0.172	71	97	
		970	160M	89.1	90.0	89.0	79.0	73.0	61.0	16.2	116	7.535	235	210	280	0.483	73	142	
		720	160L	87.3	88.1	88.0	75.0	72.8	66.8	17.4	104	10.15	190	120	200	0.530	72	160	
APPD.		S.J.Hu		14-Sep-15		TECO Electric & Machinery Co., Ltd.  Wuxi, China										DWG NO.			
CHKD.		S.L.Zhu		14-Sep-15												32057R9529			
DWN.		J.P.Cao		14-Sep-15												REV. 00 1/4			

ISSUED				PERFORMANCE DATA												MODEL			
14-Sep-15				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												TEBY			
REVISED																PAGE			
																5 of 39			
TEFC, CLASS F, 40°C AMBIENT TEMP. IEC ; GB DESIGN N CONTINUOUS DUTY S.F. 1.0, 380V 50HZ TYPICAL PERFORMANCE (380 V )																			
OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD <sup>2</sup> kg-m <sup>2</sup>	NOISE SOUND POWER NO- LOAD dB(A)	Approx Weight Kg	
KW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT				
11	15	2935	160M	91.2	92.0	92.0	90.0	89.0	83.5	20.4	158	3.652	230	185	285	0.183	86	127	
		1460	160M	91.4	92.0	91.5	84.0	80.0	70.0	21.8	169	7.342	230	185	270	0.366	75	140	
		970	160L	90.3	91.0	90.5	78.0	72.0	60.5	23.7	179	11.05	295	255	285	0.628	73	159	
		720	180L	88.6	89.4	89.1	75.0	74.2	69.6	25.2	163	14.89	200	110	200	0.870	72	227	
15	20	2935	160M	91.9	92.0	92.0	89.0	85.5	77.5	27.9	242	4.98	275	230	330	0.205	86	140	
		1460	160L	92.1	92.5	92.5	84.5	81.0	71.0	29.3	237	10.01	250	195	285	0.460	75	157	
		970	180L	91.2	92.0	92.0	82.0	78.0	68.0	30.5	211	15.07	215	165	230	1.337	73	226	
		730	200L	89.6	90.0	90.0	76.0	73.0	66.2	33.5	221	20.02	200	110	200	1.635	72	330	
18.5	25	2930	160L	92.4	93.0	93.0	90.0	89.5	84.0	33.8	274	6.153	245	200	295	0.237	86	156	
		1475	180M	92.6	94.0	93.0	81.5	77.0	69.5	37.2	284	12.22	215	160	255	0.704	76	196	
		975	200L	91.7	92.5	92.5	80.5	76.0	66.5	38.1	274	18.49	220	185	240	1.829	73	302	
		730	225M	90.1	90.7	90.7	76.0	75.6	70.9	41.0	271	24.7	190	110	200	2.526	72	355	
22	30	2940	180M	92.7	92.7	92.5	87.0	85.0	77.0	41.4	316	7.292	225	180	275	0.283	88	218	
		1475	180L	93.0	93.5	93.0	81.0	77.0	71.0	44.4	332	14.53	190	145	245	0.789	76	220	
		975	200L	92.2	93.0	93.5	81.5	77.0	68.0	44.5	321	21.99	210	185	240	2.078	76	331	
		730	225M	90.6	90.8	90.4	78.0	76.2	69.0	47.3	312	29.37	190	110	200	2.915	75	364	
30	40	2950	200L	93.3	93.5	92.5	90.0	90.0	86.5	54.3	421	9.91	200	145	270	0.602	90	295	
		1470	200L	93.6	94.5	94.5	86.0	84.5	77.0	56.6	469	19.9	250	205	280	1.451	79	328	
		980	225M	92.9	93.5	93.5	83.5	80.0	76.5	58.8	353	29.8	200	160	215	3.023	76	366	
		740	250M	91.3	91.8	91.8	79.0	77.2	70.3	63.2	411	39.5	190	110	200	4.445	75	499	
37	50	2955	200L	93.7	94.5	94.0	91.0	90.5	87.0	65.9	537	12.20	195	145	280	0.753	90	321	
		1480	225M	93.9	94.5	94.0	85.5	82.0	73.0	70.0	532	24.4	210	175	300	1.896	81	357	
		980	250M	93.3	94.0	94.0	85.0	81.5	75.0	70.9	516	36.8	230	200	250	4.194	78	497	
		740	280S	91.8	92.6	92.1	79.0	78.6	75.5	77.5	512	48.7	190	110	200	7.105	77	595	
45	60	2960	225M	94.0	94.0	93.5	91.0	91.0	88.0	79.9	648	14.81	150	140	290	1.187	92	365	
		1480	225M	94.2	94.5	94.0	84.5	79.5	70.0	85.9	632	29.6	210	175	290	1.979	81	365	
		980	280S	93.7	93.7	93.0	85.0	82.0	73.5	85.8	558	44.7	140	125	230	7.600	80	610	
		740	280M	92.2	92.2	91.7	79.0	76.2	68.3	93.9	620	59.3	190	100	200	8.550	79	675	
		590	315S	91.5	91.7	91.0	75.0	72.4	64.9	99.6	618	74.3	150	100	200	16.45	78	1,015	
55	75	2970	250M	94.3	94.5	94.0	91.5	90.0	86.5	96.8	774	18.05	150	130	315	1.544	93	496	
		1485	250M	94.6	94.6	94.0	87.5	84.5	77.0	101	790	36.1	210	185	265	3.911	83	502	
		980	280M	94.1	94.0	93.5	85.0	82.0	74.0	104	674	54.7	150	125	240	9.600	80	695	
		735	315S	92.5	92.7	92.2	81.0	79.7	76.6	112	736	72.9	180	100	200	17.20	79	1,021	
		590	315M	92.0	92.2	91.7	75.0	73.8	70.9	121	751	90.8	150	100	200	20.25	78	1,065	
APPD.		S.J.Hu		14-Sep-15		TECO Electric & Machinery Co., Ltd.  Wuxi, China										DWG NO.			
CHKD.		S.L.Zhu		14-Sep-15												32057R9529			
DWN.		J.P.Cao		14-Sep-15												REV. 00			
2/4																			

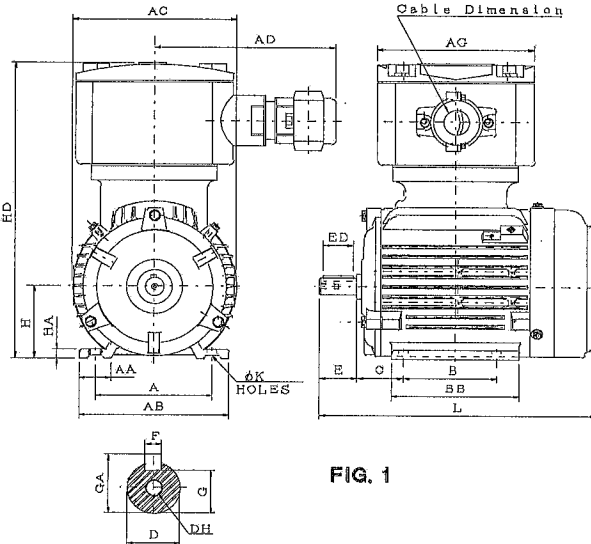
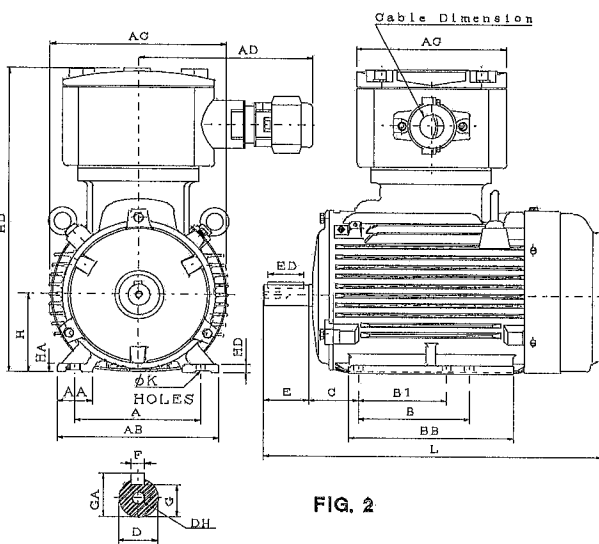
ISSUED 14-Sep-15				PERFORMANCE DATA  IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												MODEL  TEBY			
REVISED 4-Mar-13																PAGE 6 of 39			
OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD <sup>2</sup> kg-m <sup>2</sup>	NOISE SOUND POWER NO- LOAD dB(A)	Approx Weight Kg	
KW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT				
75	100	2965	280S	94.7	94.5	93.0	91.0	90.0	85.5	132	958	24.65	150	130	240	2.400	94	596	
		1480	280S	95.0	95.0	94.2	89.0	87.5	82.0	135	958	49.4	160	135	250	6.400	86	621	
		985	315S	94.6	94.5	93.7	84.5	81.5	73.0	143	948	74.2	160	135	240	14.80	85	1,020	
		735	315M	93.1	93.0	91.4	81.0	80.1	76.1	151	937	99.4	180	90	200	20.00	84	1,078	
		590	315L	92.5	92.3	90.8	76.0	75.2	71.4	162	940	123.9	150	90	200	24.00	83	1,200	
90	125	2970	280M	95.0	95.0	94.6	90.5	89.0	83.0	159	1,158	29.53	150	135	240	2.800	94	677	
		1480	280M	95.2	95.0	94.5	88.5	87.0	81.0	162	1,158	59.3	180	150	250	7.200	86	702	
		985	315M	94.9	94.9	94.2	85.0	82.5	75.0	170	1,084	89.0	160	130	230	16.80	85	1,077	
		735	315L	93.4	93.4	93.0	82.0	80.6	75.2	179	1,143	119.3	180	90	200	24.80	84	1,078	
		590	315L	93.0	93.0	92.6	77.0	75.7	70.6	191	1,127	148.7	150	90	200	29.75	83	1,268	
110	150	2970	315S	95.2	95.0	94.3	90.5	89.0	85.0	194	1,405	36.09	150	125	240	4.800	96	1,018	
		1480	315S	95.4	95.2	94.8	88.5	86.5	81.0	198	1,432	72.4	160	135	250	11.60	93	1,025	
		985	315L	95.1	95.0	94.2	84.5	82.0	75.0	208	1,380	108.8	150	125	230	18.80	85	1,210	
		735	315L	93.7	93.5	92.8	82.0	80.6	77.0	218	1,392	145.8	180	90	200	28.60	84	1,285	
		590	355M	93.2	93.0	92.3	78.0	76.7	73.3	230	1,379	181.7	130	90	200	45.35	83	1,625	
132	175	2970	315M	95.4	95.2	94.8	91.0	90.5	88.0	231	1,579	43.31	130	120	230	5.200	96	1,074	
		1480	315M	95.6	95.5	94.8	88.5	87.5	85.0	237	1,579	86.9	150	125	230	12.40	93	1,080	
		985	315L	95.4	95.4	94.3	84.5	82.5	75.0	249	1,600	130.6	140	115	230	20.40	85	1,282	
		745	355M	94.0	93.8	93.4	82.0	81.5	79.3	260	1,665	172.7	180	90	200	40.40	84	1,632	
		590	355M	93.5	93.3	92.9	78.0	77.6	75.4	275	1,650	218.0	130	90	200	51.20	83	1,690	
160	215	2970	315L	95.6	95.5	94.5	90.5	89.0	85.0	281	1,990	52.50	140	115	240	5.200	98	1,208	
		1482	315L	95.8	95.6	94.6	88.5	87.0	83.0	287	1,950	105.2	130	105	230	11.60	94	1,210	
		985	355M	95.6	95.5	94.5	84.5	82.5	75.0	301	1,980	158.3	140	115	230	31.60	92	1,630	
		745	355M	94.3	94.2	93.2	83.0	81.5	79.3	311	1,988	209.3	180	90	200	51.60	91	1,700	
		590	355L	93.5	93.4	92.7	78.0	76.7	73.3	333	2,000	264.3	130	90	200	66.80	90	1,878	
185	250	2970	315L	95.7	95.5	94.5	91.0	89.0	85.0	323	2,285	60.70	140	115	240	5.200	98	1,279	
		1482	315L	95.9	95.6	94.6	89.0	87.0	83.0	329	2,260	121.6	130	105	230	11.60	94	1,285	
		745	355L	94.4	94.2	93.2	82.0	85.6	81.7	363	2,324	242.0	180	90	200	51.60	92	1,897	
		590	355L	93.5	93.4	92.7	78.0	76.7	73.3	385	2,313	305.6	130	90	200	66.80	90	1,970	
200	270	2970	315L	95.8	95.6	94.6	90.5	90.0	88.0	350	2,450	65.62	140	115	240	6.400	98	1,349	
		1485	315L	96.0	95.8	95.0	88.5	87.0	84.0	358	2,430	131.2	140	115	230	14.40	94	1,356	
		985	355M	95.8	95.5	94.6	85.0	83.0	77.5	373	2,440	197.9	150	125	240	40.80	92	1,698	
		745	355L	94.6	94.4	93.4	83.0	82.5	80.7	387	2,477	261.6	180	90	200	65.40	91	1,983	
		590	355L	93.5	93.3	92.3	78.0	77.6	75.8	417	2,500	330.3	130	90	200	85.20	90	2,035	
220	300	2970	355M	95.8	95.6	94.6	90.5	90.0	88.0	386	2,450	72.18	140	115	240	6.400	100	1,628	
		1485	355M	96.0	95.8	95.0	88.5	87.0	84.0	393	2,430	144.4	140	115	230	14.40	95	1,643	
		985	355L	95.8	95.5	94.6	85.0	83.0	77.5	410	2,440	217.7	150	125	240	40.80	92	1,895	
		745	355L	94.6	94.4	93.4	83.0	82.5	80.7	426	2,554	287.8	180	90	200	65.40	91	2,050	
APPD.		S.J.Hu		14-Sep-15		TECO Electric & Machinery Co., Ltd.  Wuxi, China										DWG NO.			
CHKD.		S.L.Zhu		14-Sep-15												32057R9529			
DWN.		J.P.Cao		14-Sep-15												REV. 00			



ISSUED 14-Sep-15				<b>PERFORMANCE DATA</b>												MODEL <b>TEBY</b>		
REVISED 4-Mar-13				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												PAGE 7 of 39		
OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR	NOISE	Approx Weight Kg
KW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	GD <sup>2</sup> kg-m <sup>2</sup>	SOUND POWER NO-LOAD dB(A)	
250	335	2975	355M	95.8	95.6	94.6	91.0	90.5	88.5	436	3,050	81.89	140	115	240	10.80	100	1,697
		1485	355M	96.0	95.8	95.0	89.0	88.0	84.5	445	3,070	164.1	140	115	230	27.20	95	1,700
		985	355L	95.8	95.6	94.8	85.5	83.5	78.0	464	3,060	247.3	150	125	230	46.00	92	1,980
280	375	2975	355L	95.8	95.6	94.6	91.0	90.5	88.5	488	3,413	91.72	140	115	240	10.80	100	1,890
		1485	355L	96.0	95.8	95.0	89.0	88.0	84.5	498	3,436	183.7	140	115	230	27.20	95	1,896
		985	355L	95.8	95.6	94.8	85.5	83.5	78.0	519	3,423	277.0	150	125	230	46.00	92	2,051
315	420	2975	355L	95.8	95.6	94.7	91.5	91.0	89.0	546	3,880	103.2	140	115	240	14.00	100	1,978
		1485	355L	96.0	96.0	95.4	89.0	88.0	84.5	560	3,800	206.7	130	105	230	34.40	95	1,975
355	475	2975	355L	95.8	95.6	94.6	92.0	91.5	89.9	612	4,349	116.3	140	80	240	16.00	100	2,047
		1485	355L	96.0	95.8	94.8	90.0	89.5	87.9	624	4,234	233.0	140	90	230	34.50	95	2,052

- NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
2. Tolerance according to GB 755, IEC 60034-1.
3. Breakdown & Locked rotor torques are show as average expected voltages.
4. Efficiency, power factor, speed and torque are the same for other voltages.  
Current values vary inversely with voltage.
5. 0.55 kW and below : Efficiency per TECO performance standard ( Not IE3 ).
6. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
7. Data subject to change without notice.

APPD.	S.J.Hu	14-Sep-15	TECO Electric & Machinery Co., Ltd.  Wuxi, China	DWG NO.	<b>32057R9529</b>
CHKD.	S.L.Zhu	14-Sep-15		REV. 00	
DWN.	J.P.Cao	14-Sep-15		4/4	

ISSUED 14-Sep-15		OUTLINE DIMENSIONS SHEET  FLAMEPROOF MOTORS Ex d B3 ( IM 1001 ) FRAME NOS. 80M ~ 100L												MODEL TEBY						
REVISED														PAGE 8 of 39						
Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.																				
<div><div><p>FIG. 1</p></div><div><p>FIG. 2</p></div></div>																				
Dimensions in mm																				
Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	B1	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P																	
0.75	0.55	0.37	0.18	80M1	1	125	34.5	161	177	195	175	無	100	137	50	80	10	326	10	300
1.1	0.75	0.55	0.25	80M2																
1.5	1.1	0.75	0.37	90L1	2	140	40	180	197	195	175	100	125	186	56	90	10	350	10	385
2.2	1.5	1.1	0.55	90L2																
3	2.2	1.5	0.75	100L1	2	160	40	200	219	195	175	無	140	211	63	100	12	375	12	421
	3		1.1	100L2																
FRAME SIZE	SHAFT EXTENSION								BEARING		EXPORT WIRE	THE RANGE of								
	D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE	SIZE of CABLE	the outer DIAMETER of									
									DRIVE END	GLAND BODY	INLET CABLE									
	80M1	19	40	32	6	16	21.5	M6X16	6204ZZC3	6204ZZC3	rubber sheath cable  or M30x2  or NPT 1"	Ø13~Ø22								
	80M2																			
	90L1	24	50	40	8	20	27	M8X19	6205ZZC3	6205ZZC3										
	90L2																			
100L1	28	60	50	8	24	31	M10X22	6206ZZC3	6206ZZC3											
100L2																				
<b>Note :</b> 1. Tolerance of shaft end diameter D : j6. 2. Tolerance of shaft center height H : +0,-0.5.																				
APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.  Wuxi, China												DWG NO.					
CHKD.	S.L.Zhu	14-Sep-15													32057R9530					
DWN.	J.P.Cao	14-Sep-15													REV. 00 1/3					

ISSUED 14-Sep-15	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL <b>TEBY</b>
		PAGE 9 of 39
REVISED	FLAMEPROOF MOTORS Ex d B3 (IM 1001) FRAME NOS. 112M~160L	

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

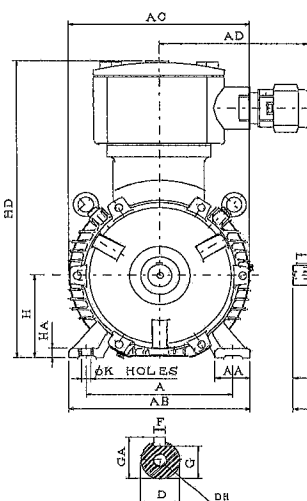


FIG. 1

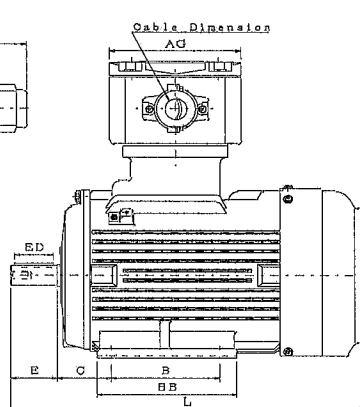
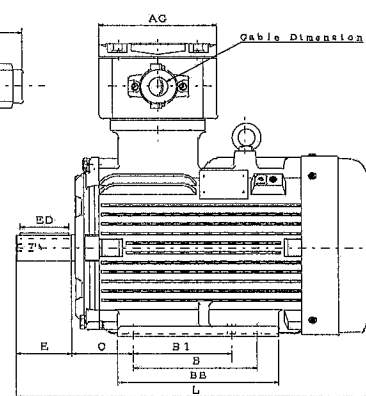


FIG. 2



Dimensions in mm

Output (kW)				FRAME	FIG.	A	AA	AB	AC	AD	AG	B1	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P	SIZE	NO.															
4	4	2.2	1.5	112M	1	190	45	235	235	195	175	無	140	180	70	112	13	400	12	456
5.5	5.5	3	2.2	132S1	2	216	57	263	273	195	175	無	140	190	89	132	16	445	12	486
7.5				132S2																
—	7.5	4	3	132M1								140	178	230	89				526	
		5.5		132M2																
—	11	7.5	—	160M	2	254	60	300	317	214	205	無								
11	11	7.5	4	160M1									210	256	108	160	18	487	14.5	670
15			5.5	160M2																
18.5	15	11	7.5	160L															210	254
FRAME SIZE				SHAFT EXTENSION						BEARING		EXPORT WIRE SIZE of CABLE GLAND BODY			THE RANGE of the outer DIAMETER of INLET CABLE					
				D	E	ED	F	G	GA	DH	DRIVE END								OPPOSITE DRIVE END	
112M				28	60	50	8	24	31	M10X22	6306ZZC3	6306ZZC3	rubber sheath cable  or M30x2  or NPT 1"			Ø13~Ø22				
132S1				38	80	70	10	33	41	M12X28	6308ZZC3	6306ZZC3								
132S2																				
132M1																				
132M2																				
160M				42	110	100	12	37	45	M16X36	6309ZZC3	6307ZZC3	rubber sheath cable or M36x2 or NPT 1.25"			Ø13~Ø28				
160M1																				
160M2																				
160L																				

Note : 1. Tolerance of shaft end diameter D : k6.  
2. Tolerance of shaft center height H : +0,-0.5.

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.  Wuxi, China	DWG NO. <b>32057R9530</b>  REV. 00
CHKD.	S.L.Zhu	14-Sep-15		
DWN.	J.P.Cao	14-Sep-15		

ISSUED 14-Sep-15	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL <b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d B3 ( IM 1001 )      FRAME NOS. 180M ~225M	PAGE 10 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

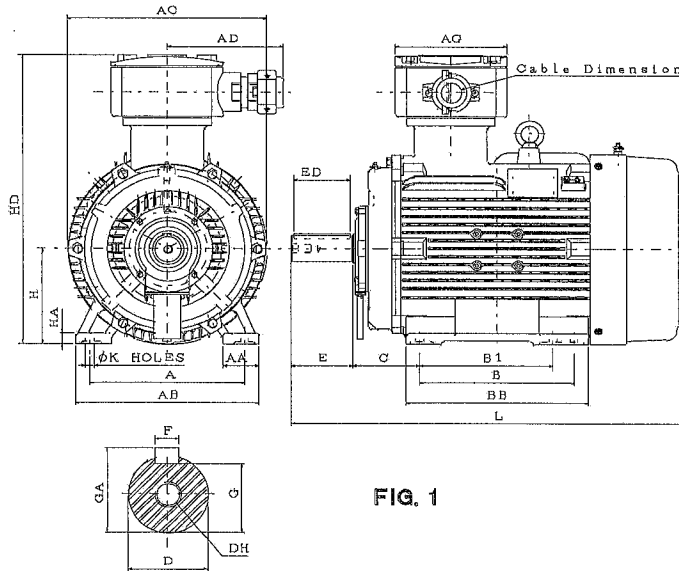


FIG. 1

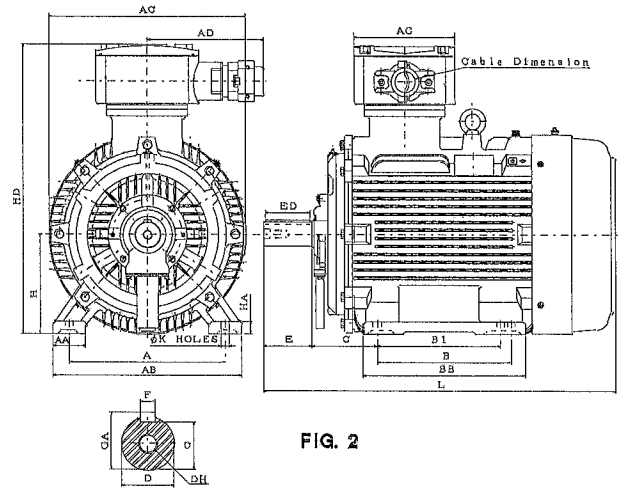


FIG. 2

Dimensions in mm

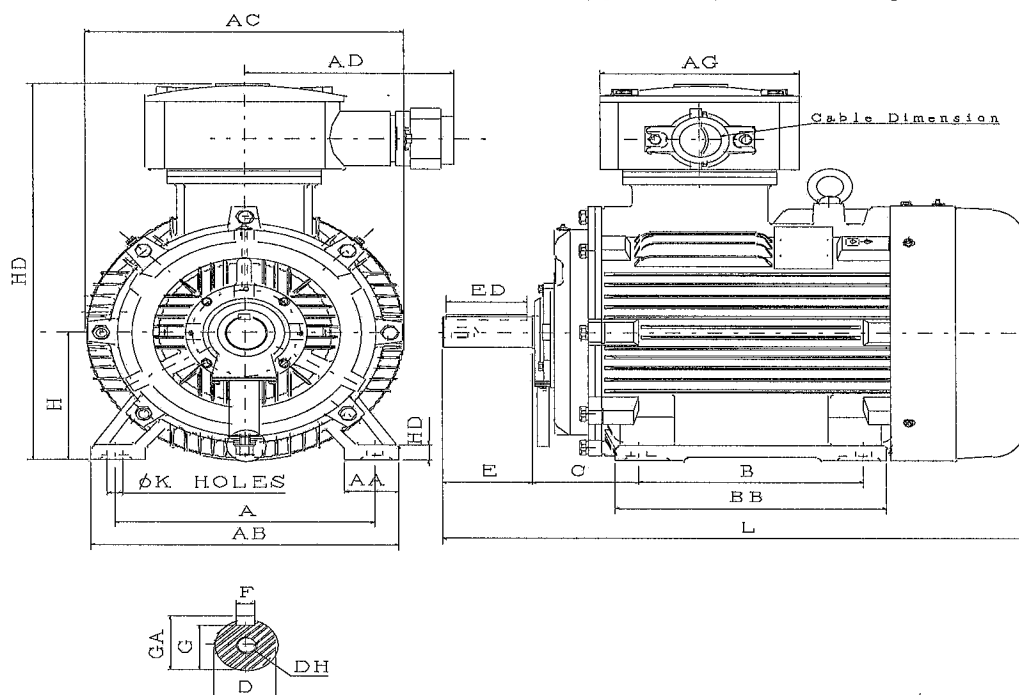
Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	B1	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P																	
22	18.5	—	—	180M	1	279	65	330	355	214	205	無	241	292	121	180	20	542	14.5	671
—	22	15	11	180L									241	279						330
30	30	18.5	15	200L1	1	318	70	378	399	270	235	無	305	365	133	200	24	610	18.5	805
37		22		200L2																
—	37	—	18.5	225M1	2	356	75	431	449	270	235	286	311	375	149	225	28	652	18.5	841
45	45	30	22	225M2																(811) 841
FRAME SIZE		SHAFT EXTENSION							BEARING			EXPORT WIRE SIZE of CABLE GLAND BODY		THE RANGE of the outer DIAMETER of INLET CABLE						
		D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END										
180M		48	110	100	14	43	51.5	M16X36	6311C3		6310C3		rubber sheath cable or M36x2 or NPT 1.25"		Ø13~Ø28					
180L																				
200L1		55	110	100	16	49	59	M20X42	6312C3		6212C3		rubber sheath cable or M48x2 or NPT 1.5" or NPT 2"		Ø19~Ø37					
200L2																				
225M1		60	140	125	18	53	64	M20X42	6313C3		6213C3									
225M2		(55) 60	(110) 140	(100) 125	(16) 18	(49) 53	(59) 64	M20X42	(6313C3) 6313C3		(6313C3) 6313C3									

**Note :** 1. Tolerance of shaft end diameter D : 1 ) F#180 : k6      2) F#200L~225M : m6  
2. Tolerance of shaft center height H : +0,-0.5.  
3.No. in ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.  Wuxi, China	DWG NO. <b>32057R9530</b>  REV. 00      3/3
CHKD.	S.L.Zhu	14-Sep-15		
DWN.	J.P.Cao	14-Sep-15		

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 ( IM 1001 ) FRAME NOS. 250M ~ 315M	11 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

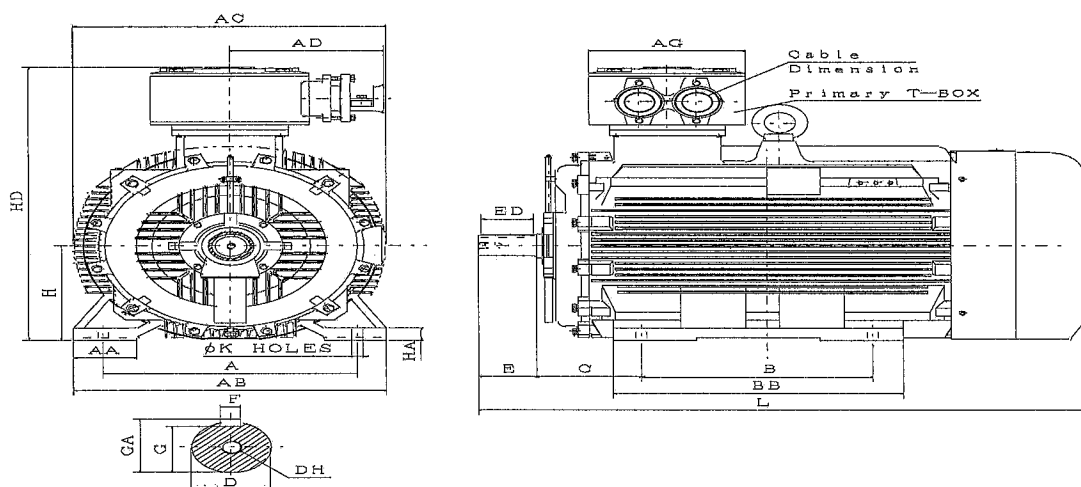
Output (kW)					FRAME SIZE	A	AA	AB	AC	AD	AG	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P	10P															
55	55	37	30	—	250M	406	85	480	498	330	310	349	425	168	250	30	740	24	930
75	75	45	37	—	280S	457	110	560	528	330	310	368	465	190	280	35	780		990
90	90	55	45	—	280M							419	516						1050
110	110	75	55	45	315S	508	115	615	620	370	380	406	550	216	315	35	898	28	(1173) 1203
132	132	90	75	55	315M	508	115	615		370		457	610	216	315	35	913		(1253) 1283
FRAME SIZE		SHAFT EXTENSION							BEARING		EXPORT WIRE		THE RANGE of						
		D	E	ED	F	G	GA	DH	DRIVE END		OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY	the outer DIAMETER of INLET CABLE						
250M		(60) 65	140	125	18	(53) 58	(64) 69	M20X42	(6313C3) 6315C3		(6313C3) 6313C3		rubber sheath cable or M64X2 or NPT 2.5"		Ø24-Ø40				
280S		(65)			(18)	(58)	(69)	M20X40		(6314C3) 6318C3		(6314C3) 6316C3							
280M		75			20	67.5	79.5												
315S		(65)	(140)	(125)	(18)	(58)	(69)	M20X40	(6316C3) 6320C3		(6314C3) 6316C3		rubber sheath cable or M64x2 or M63X1.5		Ø38-Ø58				
315M		80	170	160	22	71	85												

- Note :**
1. Tolerance of shaft end diameter D : m6 .
  2. Tolerance of shaft center height H : 1)For #250, +0,-0.5; 2)For #280,315, +0,-1.
  3. No. in ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.	DWG NO. <b>3W049Z270</b>
CHKD.	S.L.Zhu	14-Sep-15		
DWN.	J.P.Cao	14-Sep-15		
			<b>Wuxi, China</b>	REV. 00 1/2

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 (IM 1001) FRAME NOS. 315L ~ 355L	12 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

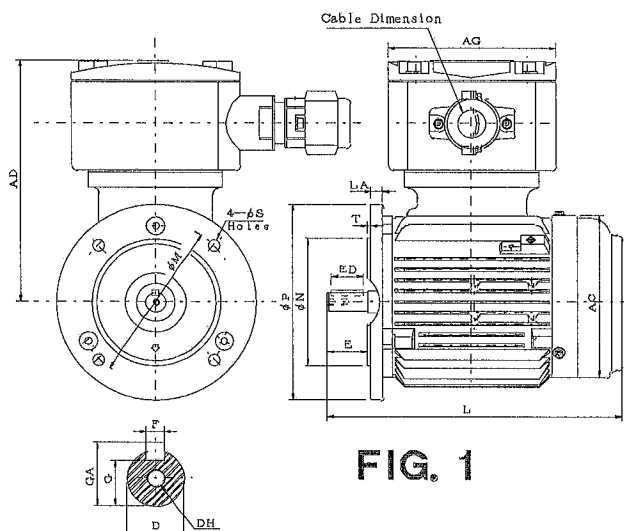
Output (kW)					FRAME SIZE	A	AA	AB	AC	AG	AD	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P	10P															
160	160	110	90	75	315L1	508	115	615	620	380	370	508	680	216	315	35	913	28	(1353) 1383
(185)	(185)	132	110	90	315L2														
200	200	—	—	—	315L3														
(220)	(220)	160	132	110	355M1	610	150	750	712	380	370	560	700	254	355	45	1025		(1488) 1493
250	250	200	160	132	355M2														
(280)	(280)	(220)	(185)	160	355L1														
315	315	250	200	(185)	355L2														
355	355	280	(220)	200	355L3														
FRAME SIZE		SHAFT EXTENSION							BEARING				EXPORT WIRE	THE RANGE of					
		D	E	ED	F	G	GA	DH	DRIVE END		OPPOSITE DRIVE END		SIZE of CABLE GLAND BODY	outer DIAMETER of INLET CABLE					
315L1		(65) 80	(140) 170	(125) 160	(18) 22	(58) 71	(69) 85	M20X40	(6316C3) 6320C3		(6314C3) 6316C3		rubber sheath						
315L2													cable						
315L3													or M64x2						
355M1		(75) 95	(140) 170	(125) 160	(20) 25	(67.5) 86	(79.5) 100	(M20X40) M24X48	(6318C3) 6322C3		(6318C3) 6322C3		or M63x1.5						
355M2													Ø38~Ø58						
355L1													or NPT 2.5"						
355L2																			
355L3																			

**Note :** 1. Tolerance of shaft end diameter D : m6 .  
2. Tolerance of shaft center height H : +0,-1.  
3. No. in ( ) is for 2P.

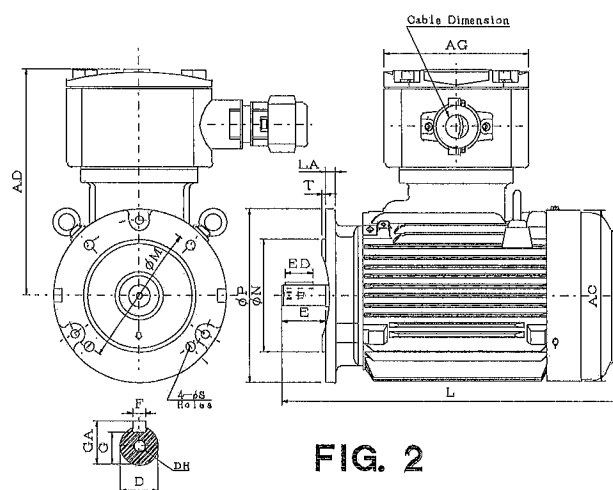
APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.	DWG NO. <b>3W049Z270</b>
CHKD.	S.L.Zhu	14-Sep-15		
DWN.	J.P.Cao	14-Sep-15		
			<b>Wuxi, China</b>	REV. 00 2/2

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 80M~112M	13 of 39

### Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



**FIG. 1**



**FIG. 2**

Dimensions in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L								
2P	4P	6P	8P			LA	M	N	P	S	T												
0.75	0.55	0.37	0.18	80M1	1	12	165	130	200	12	3.5	177	246	175	300								
1.1	0.75	0.55	0.25	80M2																			
1.5	1.1	0.75	0.37	90L1	2							16	215	180	250	14.5	4	197	260	175	385		
2.2	1.5	1.1	0.55	90L2																			
3	2.2	1.5	0.75	100L1	2	16	215	180	250	14.5	4							219	275	175	421		
	3		1.1	100L2																			
FRAME SIZE		SHAFT EXTENSION										BEARING		EXPORT WIRE		THE RANGE of							
		D	E	ED	F							G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY					the outer DIAMETER of INLET CABLE	
80M1		19	40	32	6	15.5	21.5	M6X16	6204ZZC3	6204ZZC3	rubber sheath cable or M30x2 or NPT 1"	Ø13~Ø22											
80M2																							
90L1		24	50	40	8	20	27	M8X19	6205ZZC3	6205ZZC3													
90L2																							
100L1		28	60	50		24	31	M10X22	6206ZZC3	6206ZZC3													
100L2																							

**Note :** 1. Tolerance of Shaft End Diameter D : j6  
2. Tolerance of N : j6 .

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.	Wuxi, China	DWG NO. <b>32057R9531</b> REV. 00
CHKD.	S.L.Zhu	14-Sep-15			
DWN.	J.P.Cao	14-Sep-15			

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 112M~160L	14 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

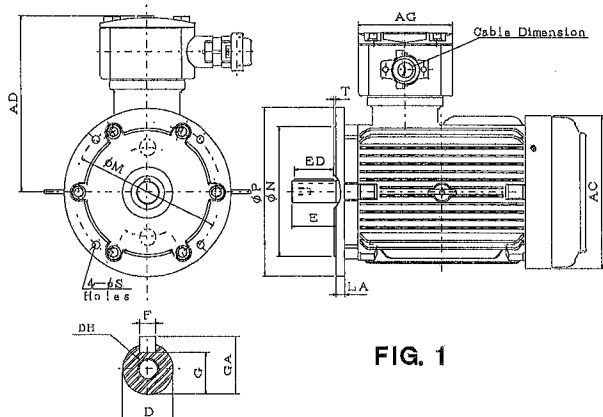


FIG. 1

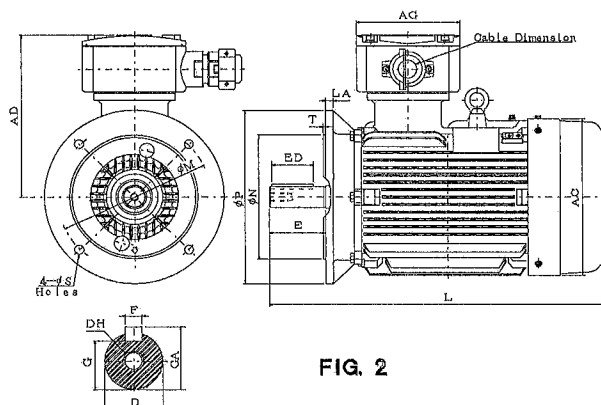


FIG. 2

Dimensions in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P			LA	M	N	P	S	T				
4	4	2.2	1.5	112M	1	15	215	180	250	14.5	4	235	288	175	456
5.5	5.5	3	2.2	132S1	1	16	265	230	300	14.5	4	273	313	175	486
7.5				132S2											
—	7.5	4	3	132M1											
—		5.5		132M2											
—	11	7.5	—	160M											2
11			4	160M1											
15			5.5	160M2											
18.5			15	11	7.5	160L	205	705							
FRAME SIZE		SHAFT EXTENSION						BEARING		EXPORT WIRE SIZE of CABLE GLAND BODY		THE RANGE of the outer DIAMETER of INLET CABLE			
		D	E	ED	F	G	GA	DH	DRIVE END					OPPOSITE DRIVE END	
112M		28	60	50	8	24	31	M10X22	6306ZZC3	6306ZZC3		rubber sheath cable or M30x2 or NPT 1"		Ø13~Ø22	
132S1		38	80	70	10	33	41	M12X28	6308ZZC3	6306ZZC3					
132S2															
132M1															
132M2															
160M		42	110	100	12	37	45	M16X36	6309ZZC3	6307ZZC3		rubber sheath cable or M36x2 or NPT 1.25"		Ø13~Ø28	
160M1															
160M2															
160L															

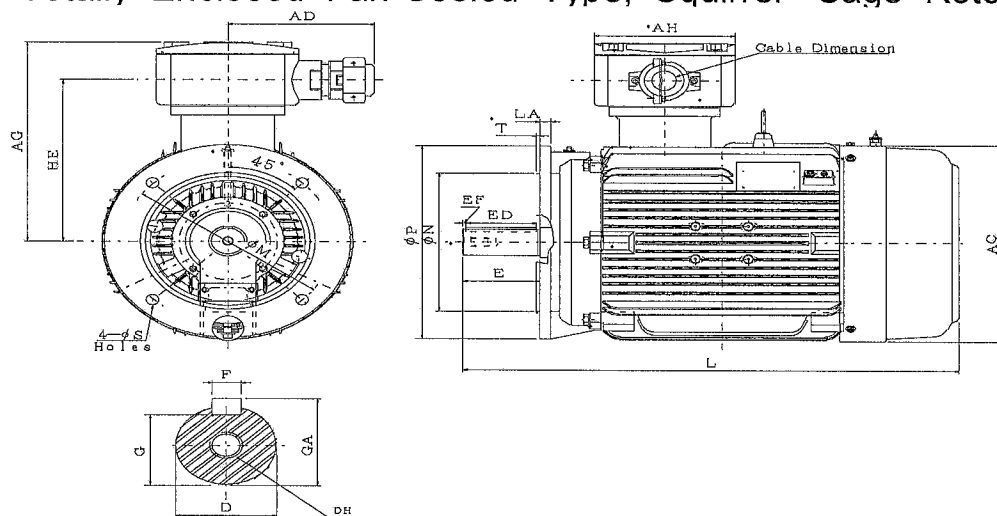
**Note :** 1. Tolerance of shaft end diameter D : k6  
2. Tolerance of N : j6 .

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.  Wuxi, China	DWG NO. <b>32057R9531</b>
CHKD.	S.L.Zhu	14-Sep-15		REV. 00
DWN.	J.P.Cao	14-Sep-15		2/4



ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 180M~200L	15 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

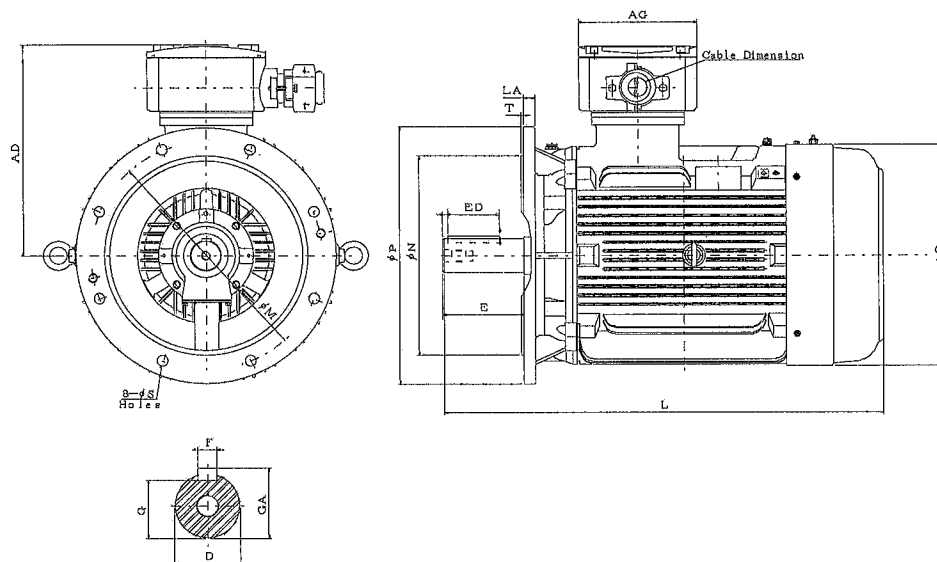
Output (kW)				FRAME  SIZE	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P		LA	M	N	P	S	T				
22	18.5	—	—	180M	15	300	250	350	18.5	5	355	362	205	671
—	22	15	11	180L										709
30	30	18.5	15	200L1	17	350	300	400			399	410	235	805
37		22		200L2										
FRAME  SIZE		SHAFT EXTENSION						BEARING		EXPORT WIRE	THE RANGE of  outer DIAMETER of  INLET CABLE			
		D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE  DRIVE END		SIZE of CABLE  GLAND BODY		
180M		48	110	100	14	42.5	51.5	M16X36	6311C3	6310C3	rubber sheath cable or M36x2 or NPT 1.25"	Ø13~Ø28		
180L														
200L1		55	110	100	16	49	59	M20X42	6312C3	6212C3	rubber sheath cable or M48x2 or NPT 1.5" or NPT 2"	Ø19~Ø37		
200L2														

**Note :** 1. Tolerance of Shaft End Diameter D : 1 ) F#180 M~180L : k6 2) F#200L : m6  
2. Tolerance of N : 1)F#180M~180L : j6 . 2)F#200L : js6 .  
3. No. in ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.	DWG NO. <b>32057R9531</b>
CHKD.	S.L.Zhu	14-Sep-15		
DWN.	J.P.Cao	14-Sep-15		
			Wuxi, China	REV. 00 3/4

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 225M ~ 280M	16 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

Output (kW)					FRAME  SIZE	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P	10P		LA	M	N	P	S	T				
—	37	—	18.5	—	225M1	20	400	350	450	18.5	5	449	427	235	841
45	45	30	22	—	225M2							(811) 841			
55	55	37	30	—	250M	22	500	450	550			498	490	310	930
75	75	45	37	—	280S							528	500		990
90	90	55	45	—	280M										1050
FRAME  SIZE		SHAFT EXTENSION						BEARING		EXPORT WIRE		THE RANGE of			
		D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE	GLAND BODY	the outer DIAMETER of  INLET CABLE		
225M1		60	140	125	18	53	64	M20X42	6313C3	6213C3	rubber sheath cable or M48x2 or NPT 1.5" or NPT 2"		Ø19~Ø37		
225M2		(55) 60	(110) 140	(100) 125	(16) 18	(49) 53	(59) 64		(6312C3) 6313C3	(6212C3) 6213C3					
250M		(60) 65	140	125	18	(53) 58	(64) 69	M20X42	(6313C3) 6315C3	(6313C3) 6313C3	rubber sheath cable or M64X2 or NPT 2.5"		Ø24~Ø40		
280S		(65) 75			(18) 20	(58) 67.5	(69) 79.5	M20X40	(6314C3) 6318C3	(6314C3) 6316C3					
280M		(65) 75			(18) 20	(58) 67.5	(69) 79.5								

- Note :**
1. Tolerance of Shaft End Diameter D : m6 .
  2. Tolerance of N : js6 .
  3. No. in ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	TECO Electric&Machinery Co.,Ltd.	Wuxi, China	DWG NO.	32057R9531	
CHKD.	S.L.Zhu	14-Sep-15			REV. 00		4/4
DWN.	J.P.Cao	14-Sep-15					

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 ( IM 2001 ) FRAME NOS. 80M ~100L	17 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

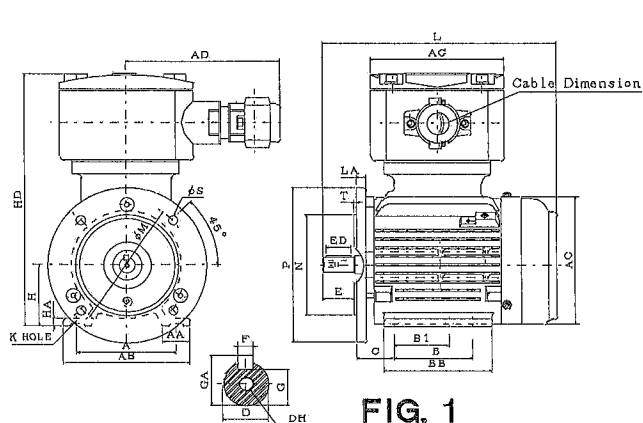


FIG. 1

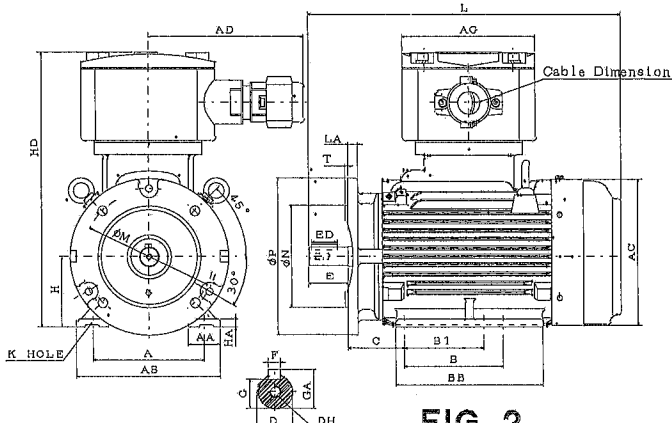


FIG. 2

Dimensions in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA															
2P	4P	6P	8P			LA	M	N	P	S	T																											
0.75	0.55	0.37	0.18	80M1	1	12	165	130	200	12	3.5	125	34.5	161	177	169	195	無	100	137	50	80	10															
1.1	0.75	0.55	0.25	80M2															140	40	180	197					100	125	186	56	90							
1.5	1.1	0.75	0.37	90L1	2																																	
2.2	1.5	1.1	0.55	90L2																																		
3	2.2	1.5	0.75	100L1		16	215	180	250	14.5	4	160	40	200	219			無	140	211	63	100	12															
	3		1.1	100L2																																		
FRAME SIZE	HD	K	L	SHAFT EXTENSION																				BEARING		EXPORT WIRE		THE RANGE of										
				D																					E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE	GLAND BODY	the outer DIAMETER of	INLET CABLE		
80M1	326	10	300	19		40	32	6	15.5	21.5	M6X16	6204ZZC3	6204ZZC3	rubber sheath cable																								
80M2																																						
90L1	350	10	385	24		50	40	8	20	27	M8X19	6205ZZC3	6205ZZC3											or M30x2														
90L2																																						
100L1	375	12	421	28		60	50	8	24	31	M10X22	6206ZZC3	6206ZZC3	or NPT 1"																								
100L2																																						

**Note :** 1. Tolerance of Shaft End Diameter D : j6 .  
2. Tolerance of shaft center height H : +0,-0.5.

APPD.	S.J.Hu	14-Sep-15	<b>B</b> <b>Wuxi, China</b>	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9532</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00 1/4

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 ( IM 2001 ) FRAME NOS. 112M ~132M	18 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

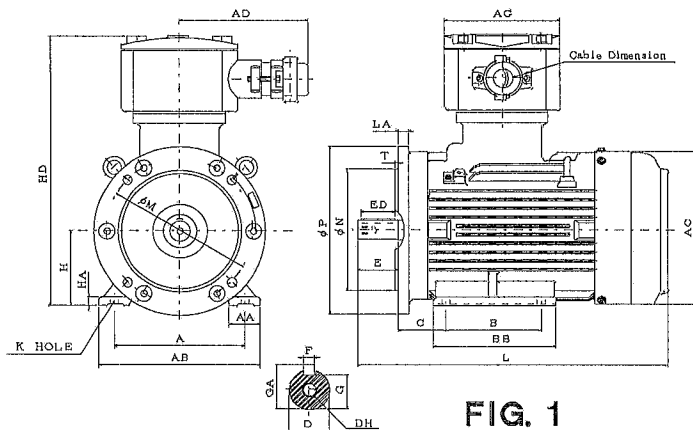


FIG. 1

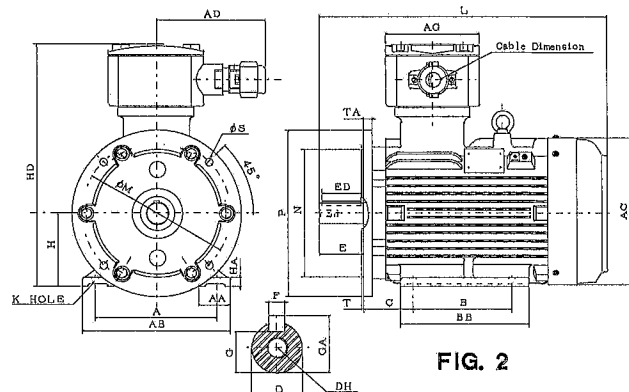


FIG. 2

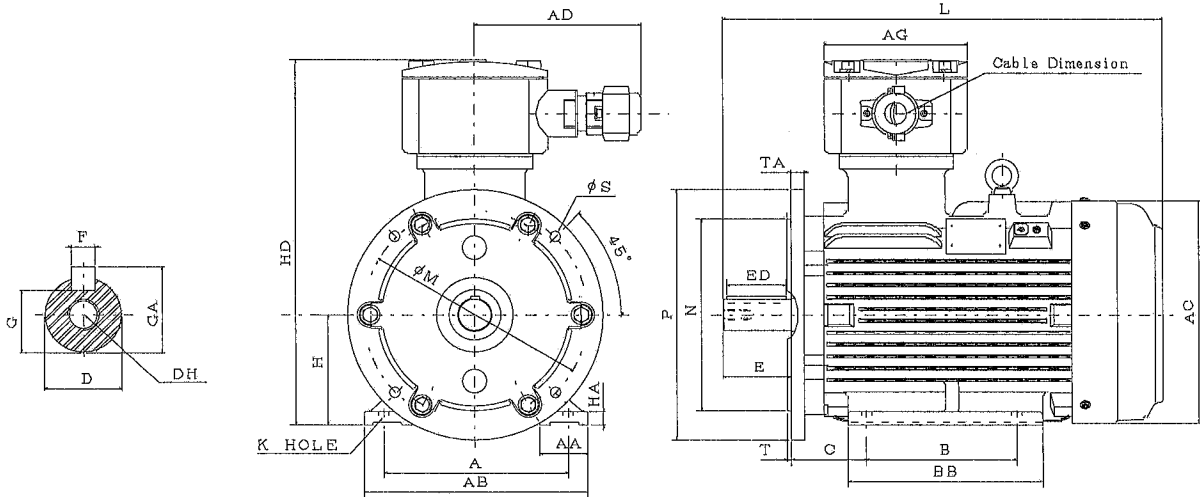
Dimensions in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA
2P	4P	6P	8P	SIZE	NO.	LA	M	N	P	S	T												
4	4	2.2	1.5	112M	1	15	215	180	250	12	3.5	190	45	235	235	169	195	無	140	180	70	112	13
5.5	5.5	3	2.2	132S1	2	16	265	230	300	14.5	4	216	57	263	273			無	140	190	89	132	16
7.5				132S2																			
—	7.5	4	3	132M1																			
		5.5		132M2																	140	178	230
FRAME SIZE	HD	K	L	SHAFT EXTENSION												BEARING		EXPORT WIRE		The max. OUTER DIAMETER of INLET CABLE			
				D		E	ED	F	G	GA	DH	DRIVE END	OPPOSITE	SIZE of CABLE GLAND BODY									
112M	400	12	456	28		60	50	8	24	31	M10X22	6306ZZC3	6306ZZC3	rubber sheath cable  or M30x2 or NPT 1"		Ø13~Ø22							
132S1	445	12	486	38	80	70	10	33	41	M12X28	6308ZZC3	6306ZZC3											
132S2																							
132M1																							
132M2			526																				

- Note :**
1. Tolerance of Shaft End Diameter D : F#132S~132M : k6 .
  2. Tolerance of N : j6 .
  3. Tolerance of shaft center height H : +0,-0.5.

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9532</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

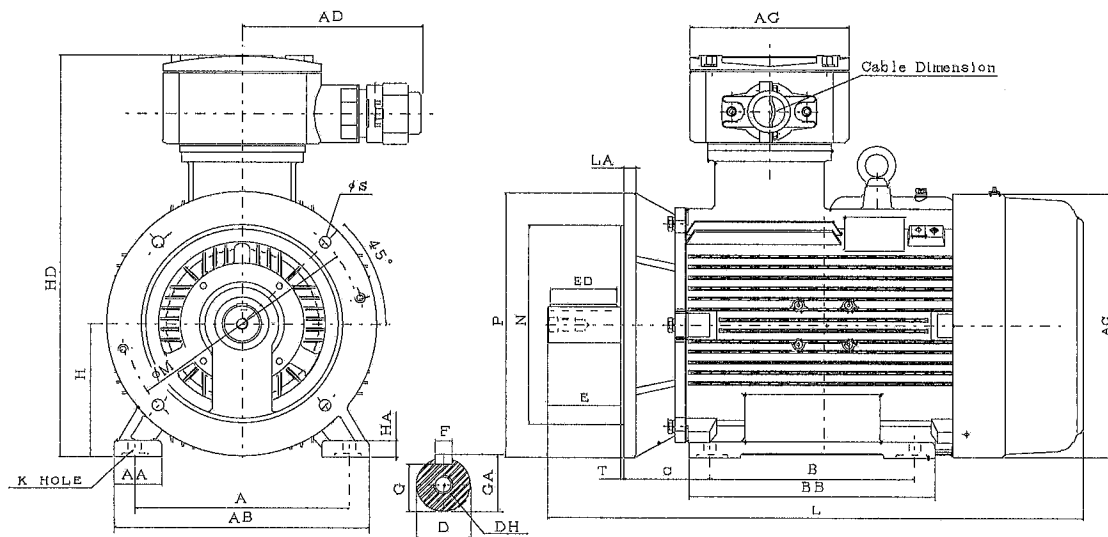
Output (kW)				FRAME	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA
2P	4P	6P	8P	SIZE	LA	M	N	P	S	T												
—	11	7.5	—	160M	15	300	250	350	18.5	5	254	60	300	317	205	214	無	210	256	108	160	18
11			4	160M1																		
15			5.5	160M2																		
18.5	15	11	7.5	160L																		
22	18.5	—	—	180M	15	300	250	350	18.5	5	279	65	330	355	205	214	210	254	300	121	180	20
—	22	15	11	180L													241	無	292			
				SHAFT EXTENSION								BEARING		EXPORT WIRE			The max. OUTER					
FRAME SIZE	HD	K	L	D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE	SIZE of CABLE GLAND BODY				DIAMETER of INLET CABLE					
160M	487	14.5	670	42	110	100	12	37	45	M16X36	6309ZZC3	6307ZZC3	rubber sheath cable  or M36x2		Ø13~Ø28							
160M1																						
160M2																						
160L			705																			
180M	542	14.5	671	48	110	100	14	42.5	51.5	M16X36	6311C3	6310C3	or NPT 1.25"		Ø13~ Ø28							
180L			709																			

**Note :**

1. Tolerance of Shaft End Diameter D : 1) F#160M~160L : k6 .  
 Tolerance of Shaft End Diameter D : 2) F#180M~180L : m6 .
2. Tolerance of N : j6 .
3. Tolerance of shaft center height H : +0,-0.5.

ISSUED 14-Sep-15	<b>OUTLINE DIMENSIONS SHEET</b>  FLAMEPROOF MOTORS Ex d B35 ( IM 2001 ) FRAME NOS. 200L~ 250M	MODEL <b>TEBY</b>
REVISED		PAGE 20 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

Output (kW)				FRAME	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA
2P	4P	6P	8P	SIZE	LA	M	N	P	S	T												
30	30	18.5	15	200L1	17	350	300	400	18.5	5	318	70	378	399	235	270	無	305	365	133	200	24
37		22		200L2																		
—	37	—	18.5	225M1	20	400	350	450			356	75	431	449	286	311	375	149	225	28		
45	45	30	22	225M2																		
55	55	37	30	250M1	22	500	450	550	406	85	480	498	310	326	無	349	425	168	250	30		
FRAME SIZE	HD	K	L	SHAFT EXTENSION						BEARING			EXPORT WIRE		The max. OUTER							
				D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY	DIAMETER of INLET CABLE								
200L1	610	18.5	805	55	110	100	16	49	59	M20X42	6312C3	6212C3	rubber sheath cable or M36x2 or NPT 1.25"	Ø19~ Ø37								
200L2																						
225M1	652	18.5	841	60	140	125	18	53	64	M20X42	6313C3	6213C3										
225M2			(811) 841	(55) 60	(110) 140	(100) 125	(16) 18	(49) 53	(59) 64	M20X42	(6312C3) 6313C3	(6212C3) 6213C3										
250M1	740	24	930	(60) 65	140	125	18	(53) 58	(64) 69	M20X42	(6313C3) 6315C3	(6313C3) 6313C3	同280		Ø24~Ø40							

**Note :** 1. Tolerance of Shaft End Diameter D : F#200L~225M : m6

2. Tolerance of N : F#200L~225M : js6 .

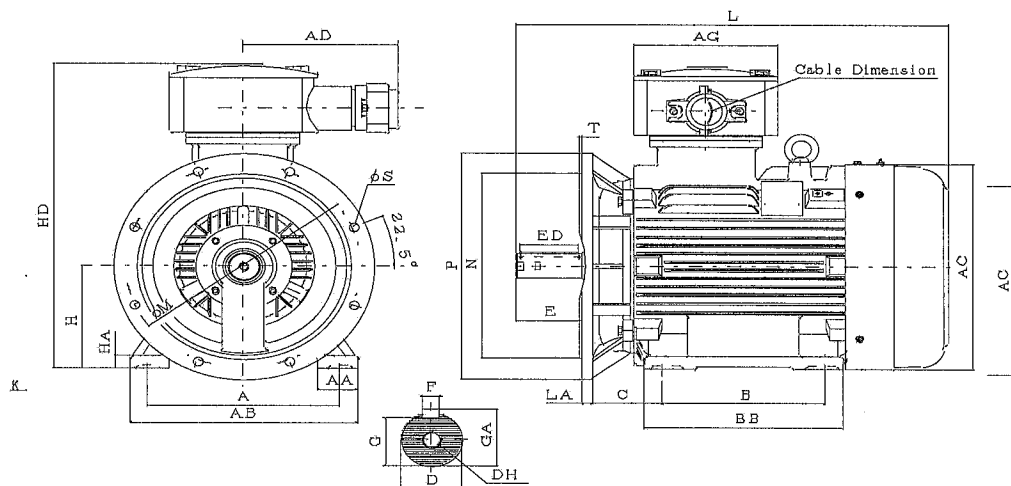
3. Tolerance of shaft center height H : +0,-0.5.

4. No. In ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	<b>B</b>  Wuxi, China	DWG NO. <b>32057R9532</b>  REV. 00
CHKD.	S.L.Zhu	14-Sep-15		
DWN.	J.P.Cao	14-Sep-15		

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 ( IM 2001 )      FRAME NOS. 280S ~ 315M	21      of      39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

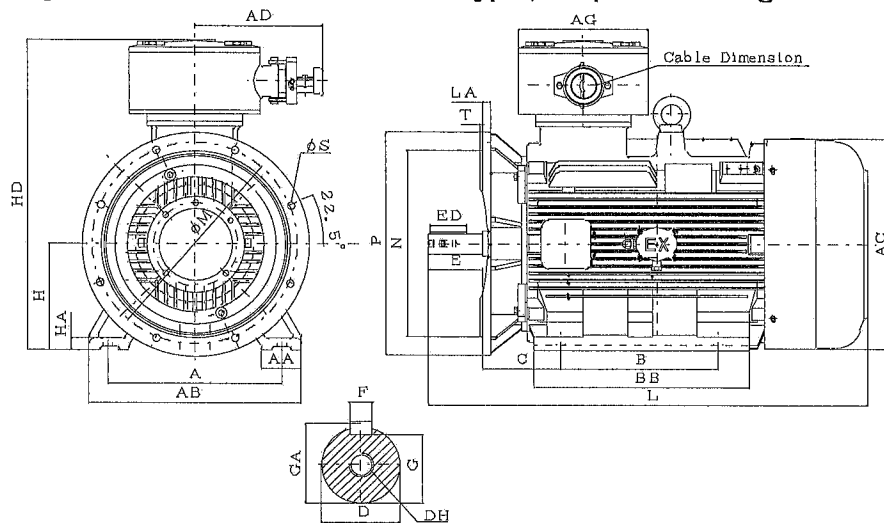
Output (kW)					FRAME	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B	BB	C	H	HA
2P	4P	6P	8P	10P	SIZE	LA	M	N	P	S	T											
75	75	45	37	—	280S	22	500	450	550	18.5	5	457	110	560	528	310	326	368	465	190	280	35
90	90	55	45	—	280M													419	516			
110	110	75	55	45	315S	25	600	550	660	24	6	508	115	615	620	380	370	406	550	216	315	35
132	132	90	75	55	315M													457	610			
FRAME SIZE	HD	K	L	SHAFT EXTENSION							BEARING		EXPORT WIRE		The max. OUTER DIAMETER of INLET CABLE							
				D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY									
280S	780	24	990	(65)	140	125	(18)	(58)	(69)	M20X40	(6314C3) 6318C3	(6314C3) 6316C3	rubber sheath cableor M64x2 or NPT 2"		Ø24~Ø40							
280M			1050	75			20	67.5	79.5													
315S	898	28	(1173) 1203	(65) 80	(140) 170	(125) 160	(18)	(58)	(69)	M20X40	(6316C3) 6320C3	(6314C3) 6316C3	rubber sheath cable or M64x2 or M63x1.5 or NPT 2"		Ø38~Ø58							
315M	913		(1253) 1283				22	71	85													

- Note :**
1. Tolerance of Shaft End Diameter D : m6 .
  2. Tolerance of N : js6
  3. Tolerance of shaft center height H : +0,-0.5.
  4. No . In (    ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	<div style="font-size: 2em; font-weight: bold; text-align: center;">B</div> <div style="text-align: center;">Wuxi, China</div>	DWG NO.	<div style="font-size: 1.5em; font-weight: bold;">3W049Z271</div>
CHKD.	S.L.Zhu	14-Sep-15		REV. 00	
DWN.	J.P.Cao	14-Sep-15			

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 ( IM 2001 ) FRAME NOS. 315L ~ 355L	22 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

Output (kW)					FRAME SIZE	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B	BB	C	H	HA
2P	4P	6P	8P	10P		LA	M	N	P	S	T											
160	160	110	90	75	315L1	25	600	550	660	24	6	508	115	615	620	380	370	508	680	216	315	35
(185)	(185)	132	110	90	315L2																	
200	200	—	—	—	315L3																	
(220)	(220)	160	132	110	355M1	30	740	680	800	24	6	610	150	750	712	380	370	560	700	254	355	45
250	250	200	160	132	355M2																	
(280)	(280)	(220)	(185)	160	355L1																	
315	315	250	200	(185)	355L2															630	770	
355	355	250	(220)	200	355L3																	
FRAME SIZE	HD	K	L	SHAFT EXTENSION							BEARING		EXPORT WIRE		The max. OUTER							
				D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY	DIAMETER of INLET CABLE								
315L1	913	28	(1353)	(65)	(140)	(125)	(18)	(58)	(69)	M20X40	(6316C3)	(6314C3)	rubber sheath cable	Ø38~Ø58								
315L2			1383	80			22	71	85		6320C3	6316C3										
315L3																						
355M1	1025		(1488)	(75)	(140)	(125)	(20)	(67.5)	(79.5)	(M20X40) M24X48	(6318C3) 6322C3	(6318C3) 6322C3	or M64x2									
355M2			1493												170	160						
355L1			(1538)												95							
355L2															1543							
355L3																						

**Note :** 1. Tolerance of Shaft End Diameter D : m6 . 2. No. In ( ) is for 2P.  
3. Tolerance of N : js6

APPD.	S.J.Hu	14-Sep-15	<b>B</b> <b>Wuxi, China</b>	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>3W049Z271</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00



ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 80M ~ 112M	23 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

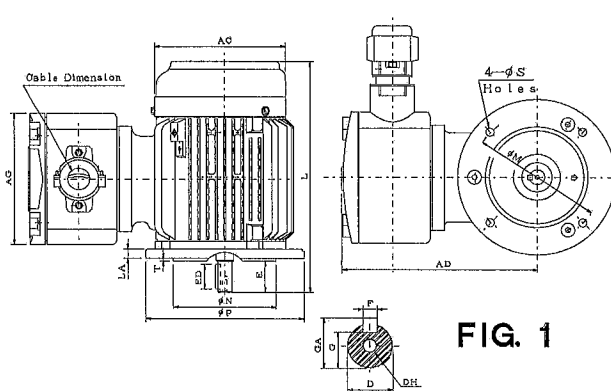


FIG. 1

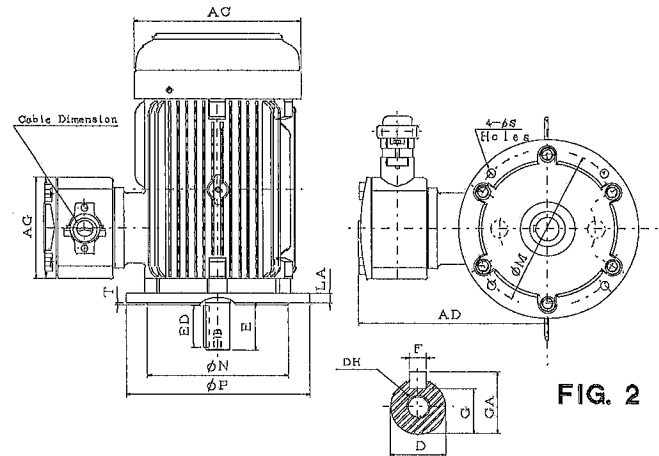


FIG. 2

Dimensions in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P			LA	M	N	P	S	T				
0.75	0.55	0.37	0.18	80M1	1	12	165	130	200	12	3.5	177	246	175	300
1.1	0.75	0.55	0.25	80M2								197	260		385
1.5	1.1	0.75	0.37	90L1								219	275		421
2.2	1.5	1.1	0.55	90L2											
3	2.2	1.5	0.75	100L1		16	215	180	250	14.5	4	235	288		456
	3		1.1	100L2											
4	4	2.2	1.5	112M	2	15									
FRAME SIZE	SHAFT EXTENSION							BEARING		EXPORT WIRE	THE RANGE of				
	D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY	the outer DIAMETER of INLET CABLE				
80M1	19	40	32	6	15.5	21.5	M6X16	6204ZZC3	6204ZZC3	rubber sheath cable or M30x2 or NPT 1"	Ø13~Ø22				
80M2															
90L1	24	50	40	8	20	27	M8X19	6205ZZC3	6205ZZC3						
90L2															
100L1	28	60	50		24	31	M10X22	6206ZZC3	6206ZZC3						
100L2			50					6306ZZC3	6306ZZC3						
112M															

**Note :** 1. Tolerance of Shaft End Diameter D : j6  
2. Tolerance of N : j6 .

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9533</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00 1/3

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 ( IM 3011 ) FRAME NOS. 132S ~ 160L	24 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

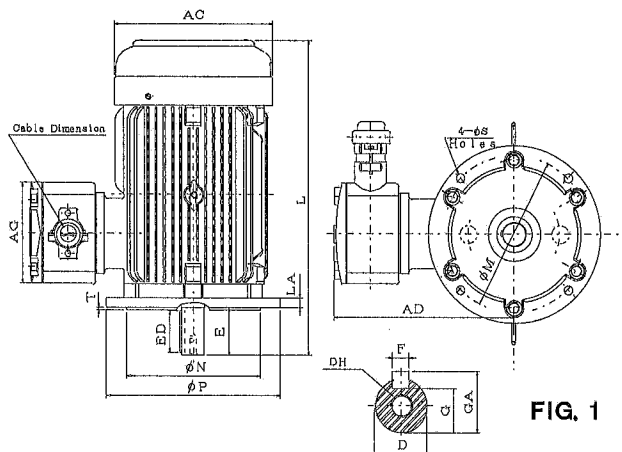


FIG. 1

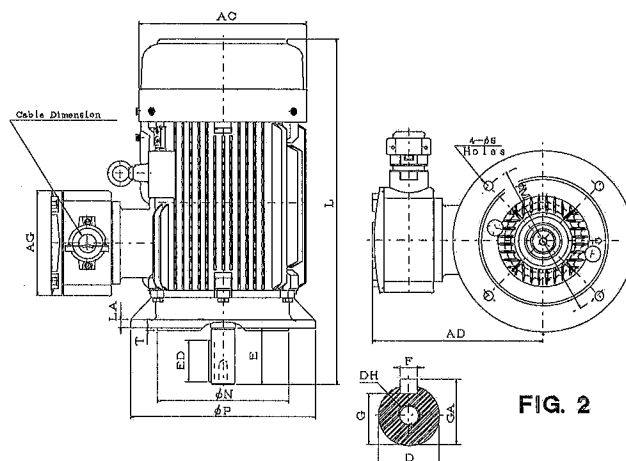


FIG. 2

Dimensions in mm

Output (kW)				FRAME	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P	SIZE		LA	M	N	P	S	T				
5.5	5.5	3	2.2	132S1	1	16	265	230	300	14.5	4	273	313	175	486
7.5				132S2											
-	7.5	4	3	132M1									313		
		5.5		132M2											
—	11	7.5	—	160M	2	15	300	250	350	18.5	5	317	327	205	670
11			4	160M1											
15			5.5	160M2											
18.5	15	11	7.5	160L											
FRAME SIZE		SHAFT EXTENSION						BEARING		EXPORT WIRE		THE RANGE of			
		D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY		the outer DIAMETER of INLET CABLE		
132S1		38	80	70	10	33	41	M12X28	6308ZZC3	6306ZZC3	rubber sheath cable		Ø13~Ø22		
132S2											or M30x2				
132M1											or NPT 1"				
132M2															
160M		42	110	100	12	37	45	M16X36	6309ZZC3	6307ZZC3	rubber sheath cable		Ø13~Ø28		
160M1											or M36x2				
160M2											or NPT 1.25"				
160L															

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 180M ~ 225M	25 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

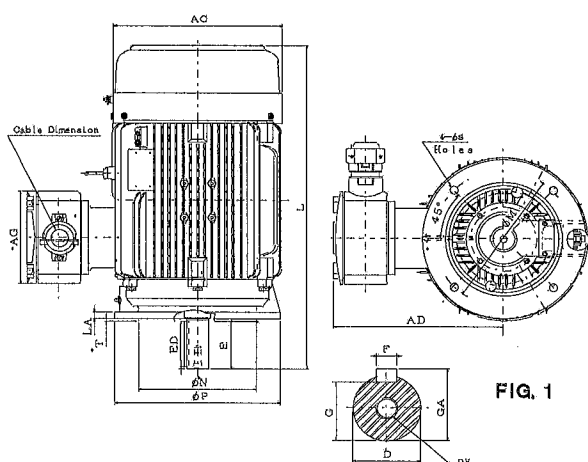


FIG. 1

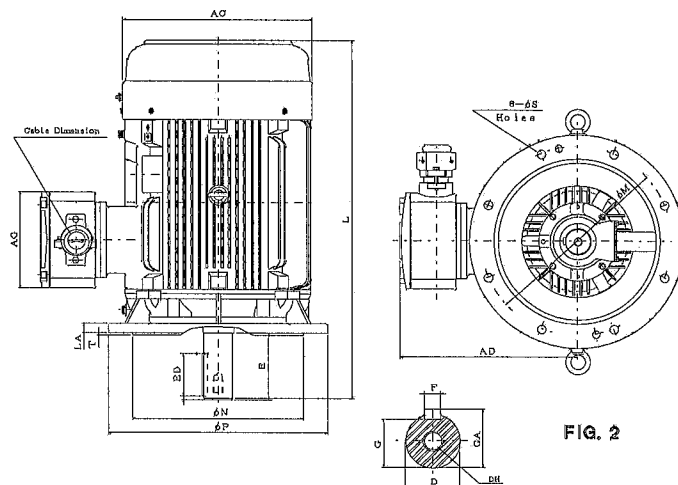


FIG. 2

Dimensions in mm

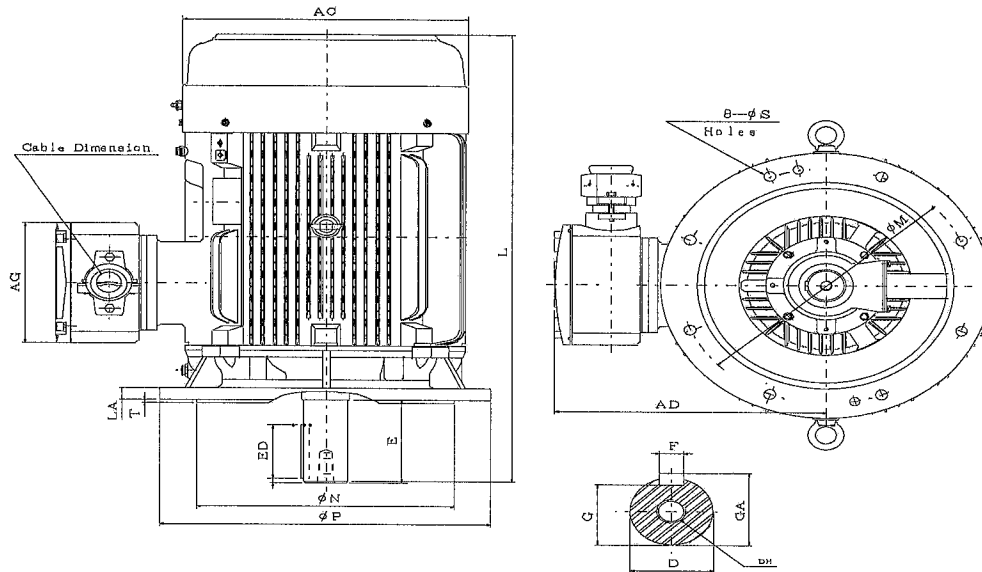
Output (kW)				FRAME	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P	SIZE		LA	M	N	P	S	T				
22	18.5	—	—	180M	1	15	300	250	350	18.5	5	355	362	205	671
—	22	15	11	180L											709
30	30	18.5	15	200L1	1	17	350	300	400	18.5	5	399	410	235	805
37		22		200L2											
—	37	—	18.5	225M1	2	20	400	350	450	18.5	5	449	427	235	841
45	45	30	22	225M2											(811) 841
FRAME SIZE		SHAFT EXTENSION						BEARING		EXPORT WIRE		THE RANGE of the outer DIAMETER of INLET CABLE			
		D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY				
180M	48	110	100	14	42.5	51.5	M16X36	6311C3	6310C3	rubber sheath cable or M36x2 or NPT 1.25"		Ø13~Ø28			
180L															
200L1	55	110	100	16	49	59	M20X42	6312C3	6212C3	rubber sheath cable or M48x2 or NPT 1.5" or NPT 2"		Ø19~Ø37			
200L2															
225M1	60	140	125	18	53	64	M20X42	6313C3	6213ZZC3	rubber sheath cable or M48x2 or NPT 1.5" or NPT 2"		Ø19~Ø37			
225M2	(55) 60	(110) 140	(100) 125	(16) 18	(49) 53	(59) 64	M20X42	(6312C3) 6313C3	(6212C3) 6213C3						

**Note :** 1. Tolerance of Shaft End Diameter D : 1 ) F#180M~180L : k6 2) F#200L : m6  
2. Tolerance of N : 1) F#180M~180L : j6 . 2) F#200L : js6 .  
3. No . In ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9533</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00 3/3

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 ( IM 3011 ) FRAME NOS. 250M ~ 315M	26 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

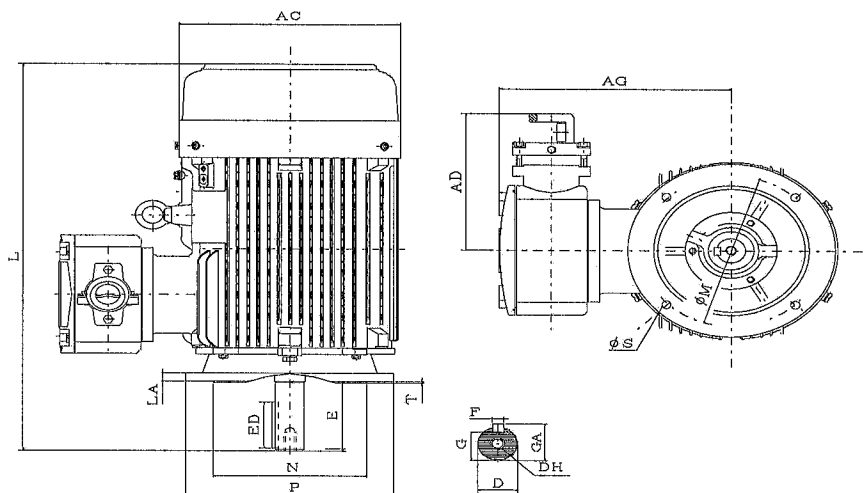
Output (kW)					FRAME	FLANGE DIMENSION						AC	AG	AD	L	SHAFT EXTENSION	
2P	4P	6P	8P	10P	SIZE	LA	M	N	P	S	T					D	E
55	55	37	30	—	250M	22	500	450	550	18.5	5	498	310	490	930	(60) 65	140
75	75	45	37	—	280S							528		500	990	(65) 75	
90	90	55	45	—	280M										1050		
110	110	75	55	45	315S	25	600	550	660	24	6	620	380	(561) 583	(1173) 1203	(65) 80	(140) 170
132	132	90	75	55	315M									(576) 598	(1253) 1283		
FRAME SIZE		SHAFT EXTENSION					BEARING		EXPORT WIRE SIZE of CABLE GLAND BODY		THE RANGE of the outer DIAMETER of INLET CABLE						
		F	ED	G	GA	DH	DRIVE END OPPOSITE DRIVE END										
250M		18	125	(53) 58	(64) 69	M20X42	(6313C3) 6315C3	(6313C3) 6313C3	rubber sheath cable or M64X2 or NPT 2.5"		Ø24~Ø40						
280S		(18) 20		(58) 67.5	(69) 79.5	M20X40	(6314C3) 6318C3	(6314C3) 6316C3									
280M																	
315S		(18) 22	(125) 160	(58) 71	(69) 85	M20X40	(6316C3) 6320C3	(6314C3) 6316C3	rubber sheath cable or M64x2 or M63X1.5 or NPT 2.5"		Ø38~Ø58						
315M																	

- Note :**
1. Tolerance of Shaft End Diameter D: m6.
  2. Tolerance of N : js6 .
  3. No . In ( ) is for 2P.

APPD.	S.J.Hu	14-Sep-15	<b>B</b> <b>Wuxi, China</b>	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>3W049Z272</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00

ISSUED	<b>OUTLINE DIMENSIONS SHEET</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	IE2 EFFICIENCY FLAMEPROOF MOTORS Ex d	PAGE
	V1 ( IM 3011 ) FRAME NOS. 315L ~ 355L	27 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



Dimensions in mm

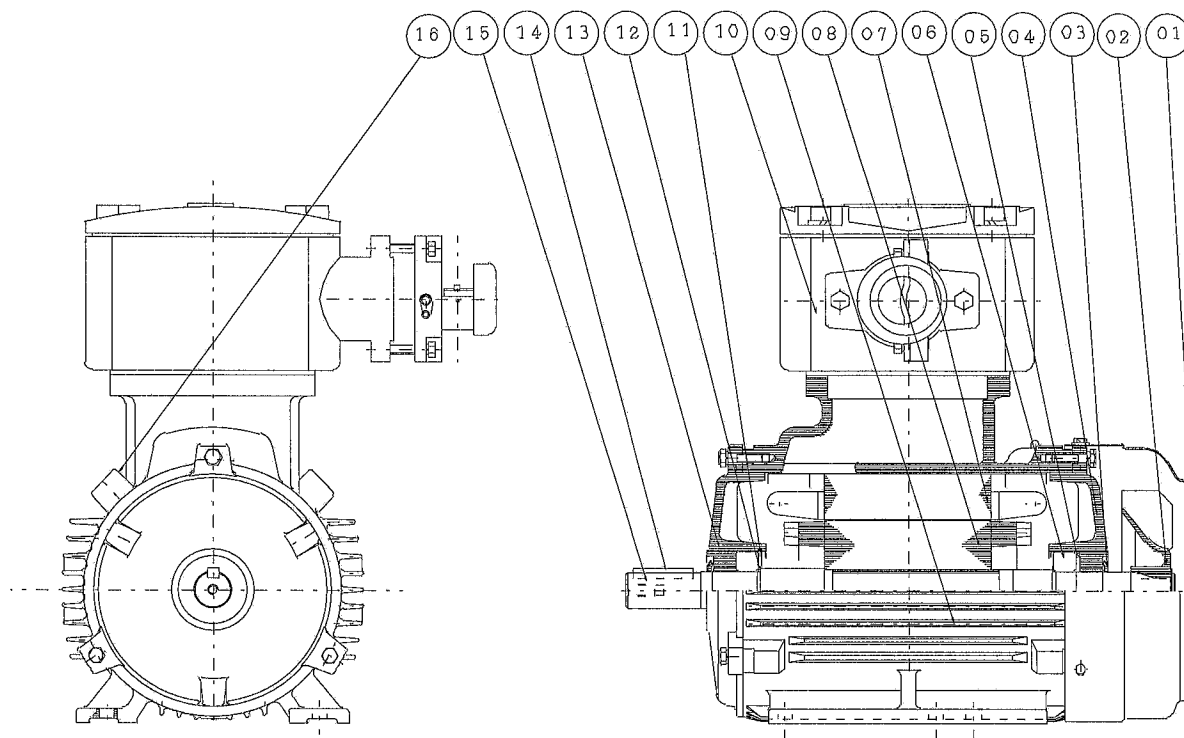
Output (kW)					FRAME SIZE	FLANGE DIMENSION						AC	AD	AG	L	SHAFT EXTENSION		
2P	4P	6P	8P	10P		LA	M	N	P	S	T					D	E	ED
160	160	110	90	75	315L1	25	600	550	660	24	6	620	370	598	(1353) 1383	(65) 80	(140) 170	(125) 160
185	185	132	110	90	315L2													
200	200	—	—	—	315L3													
220	220	160	132	110	355M1	30	740	680	800	24	6	712	370	670	(1488) 1518	(75) 95	(140) 170	(125) 160
250	250	200	160	132	355M2													
280	280	220	185	160	355L1													
315	315	250	200	185	355L2													
355	355	250	220	200	355L3													

FRAME SIZE	SHAFT EXTENSION				BEARING		EXPORT WIRE	THE RANGE of	<b>Note :</b>  1. Tolerance of Shaft End Diameter D : . m6 .  2. Tolerance of N : js6 .  3. No . In (     ) is for 2P.
	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE  GLAND BODY	the outer DIAMETER of  INLET CABLE	
315L1	(18) 22	(58) 71	(69) 85	M20X40	(6316C3) 6320C3	(6314C3) 6316C3	rubber sheath cable or M64x2 or M63X1.5 or NPT 2.5"	Ø38~Ø58	
315L2									
315L3									
355M1	(20) 25	(67.5) 86	(79.5) 100	(M20X40) M24X48	(6318C3) 6322C3	(6318C3) 6322C3			
355M2									
355L1									
355L2									
355L3									

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>3W049Z272</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00 2/2

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 (IM 1001) FRAME NOS. 80M ~ 112M	28 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

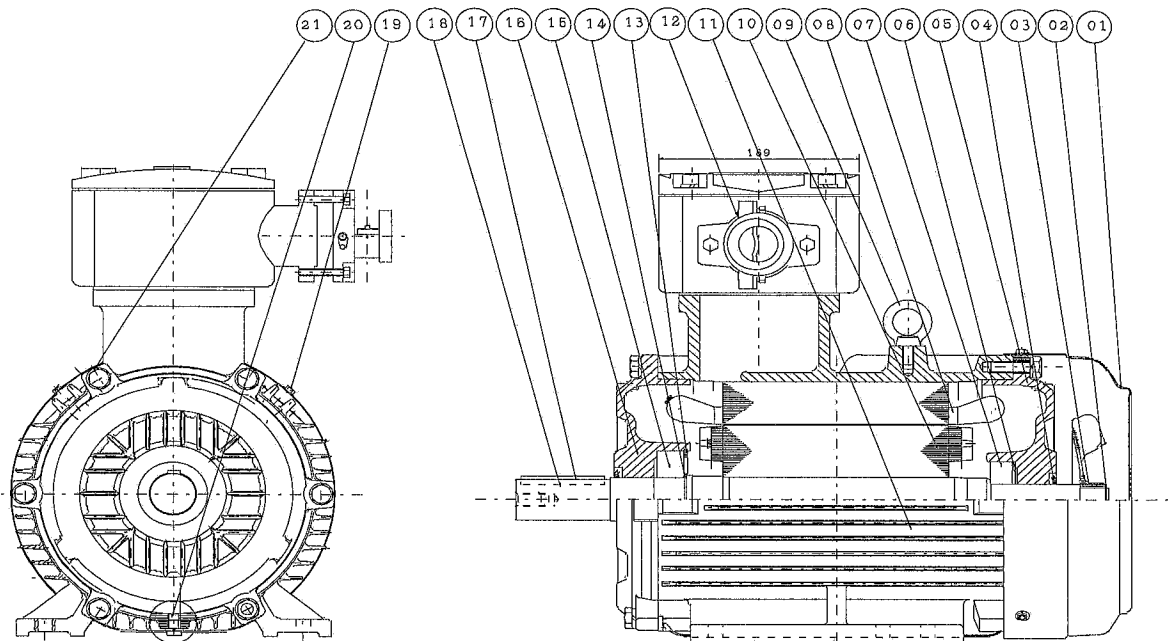


ITEM	NAME	ITEM	NAME
1	FAN COVER	11	INSIDE RETAINING RING
2	EXTERNAL FAN	12	STOP RING-BEARING
3	OIL SEAL	13	END BRACKET
4	END BRACKET	14	KEY
5	PRE-LOAD SPRING	15	SHAFT
6	BEARING	16	NAME PLATE
7	STATOR		
8	ROTOR		
9	FRAME		
10	TERMINAL BOX ASSY		

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9534</div> <div>REV. 00</div>	<div>1/2</div>
CHKD.	S.L.Zhu	14-Sep-15				
DWN.	J.P.Cao	14-Sep-15				

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 ( IM 1001 ) FRAME NOS. 132S~160L	29 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

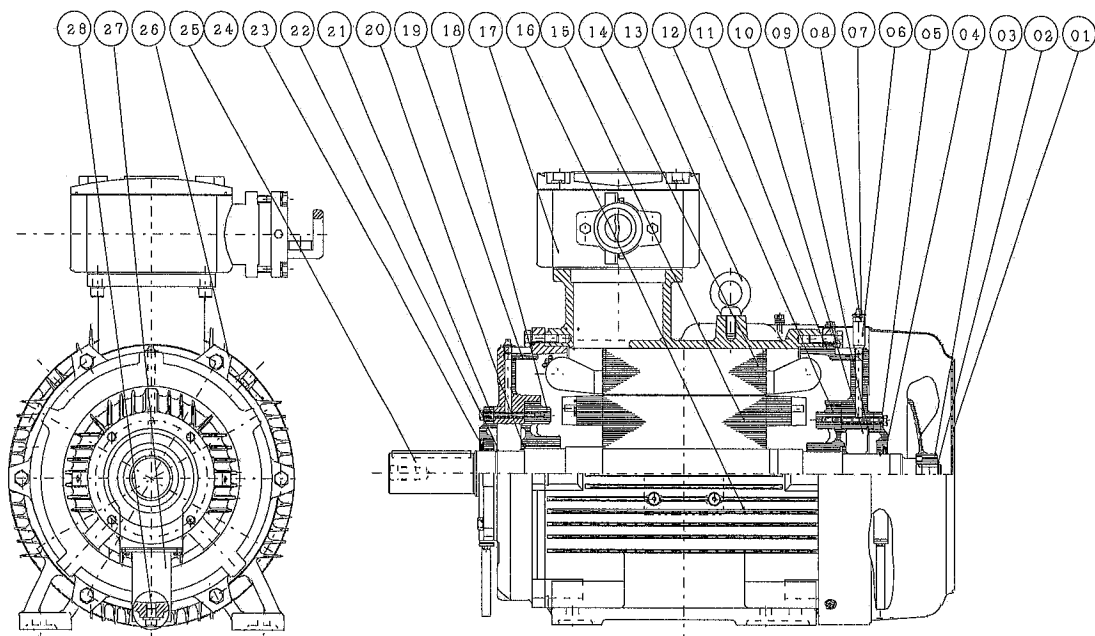


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	14	STOP RING-BEARING
2	OUTSIDE RETAINING RING	15	BEARING
3	EXTERNAL FAN	16	END BRACKET
4	OIL SEAL	17	KEY
5	END BRACKET	18	SHAFT
6	PRE-LOAD SPRING	19	GROUNDING TERMINALS LABEL
7	BEARING	20	PLUG
8	STATOR	21	NAME PLATE
9	EYE BOLT		
10	ROTOR		
11	FRAME		
12	TERMINAL BOX ASSY		
13	OUTSIDE RETAINING RING		

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	32057R9534
CHKD.	S.L.Zhu	14-Sep-15		REV. 00	
DWN.	J.P.Cao	14-Sep-15			

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 ( IM 1001 ) FRAME NOS. 180M~355L	30 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



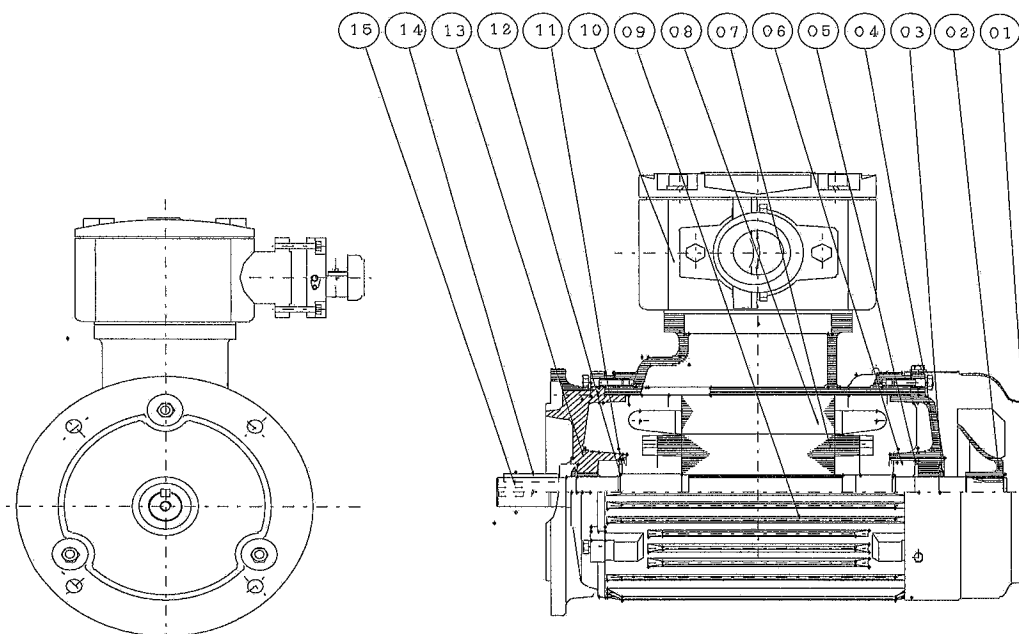
ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	16	FRAME
2	OUTSIDE RETAINING RING	17	TERMINAL BOX ASSY
3	EXTERNAL FAN	18	BEARING COVER - INNER
4	OIL SEAL	19	END BRACKET
5	BEARING COVER - OUTER	20	OUTSIDE RETAINING RING
6	GREASE PIPE	21	BEARING COVER - OUTER
7	GREASE FLINGER	22	PRE-LOAD SPRING
8	GREASE NIPPLE	23	OIL SEAL
9	PRE - LOAD SPRING	24	KEY
10	BEARING	25	SHAFT
11	END BRACKET	26	NAME PLATE
12	BEARING COVER - INNER	27	OIL DRAIN COVER
13	EYE BOLT	28	PLUG
14	STATOR		
15	ROTOR		

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>3W049Z273</div>
CHKD.	S.L.Zhu	14-Sep-15		REV. 00	
DWN.	J.P.Cao	14-Sep-15		1/1	



ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 80M ~ 112M	31 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

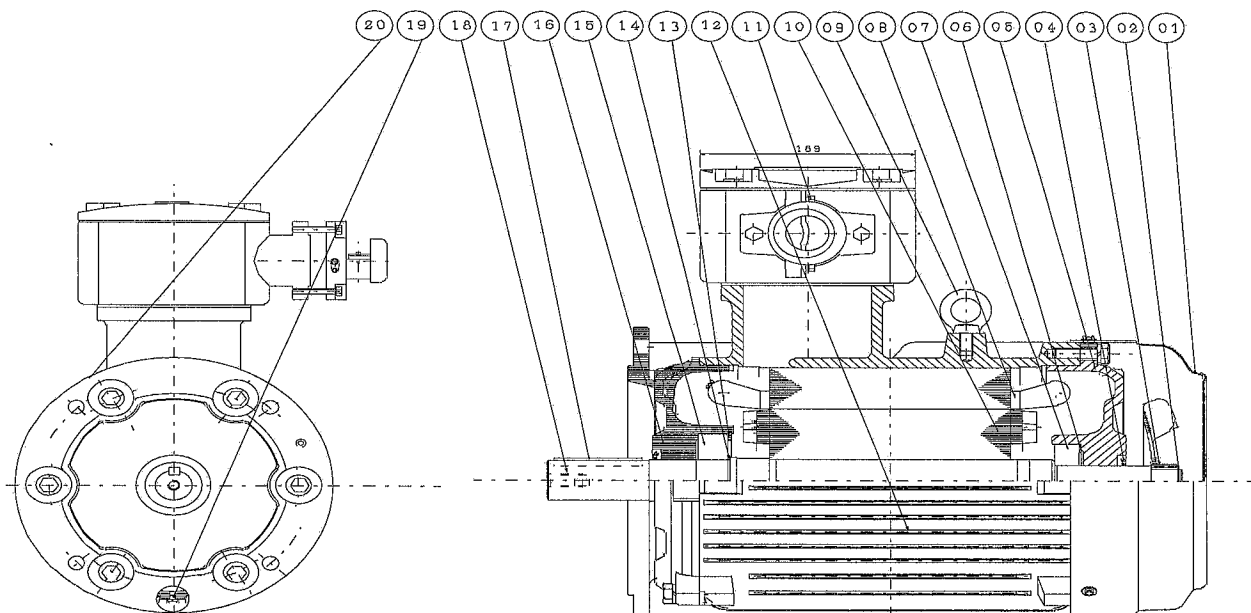


ITEM	NAME	ITEM	NAME
1	FAN COVER	11	TERMINAL BOX ASSY
2	EXTERNAL FAN	12	OUTSIDE RETAINING RING
3	END BRACKET	13	FLANGE BRACKET
4	OIL SEAL	14	KEY
5	PRE-LOAD SPRING	15	SHAFT
6	BEARING		
7	ROTOR		
8	STATOR		
9	FRAME		
10	TERMINAL BOX ASSY		

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9535</div> <div>REV. 00</div> <div>1/3</div>
CHKD.	S.L.Zhu	14-Sep-15			
DWN.	J.P.Cao	14-Sep-15			

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 132S ~ 160L	32 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

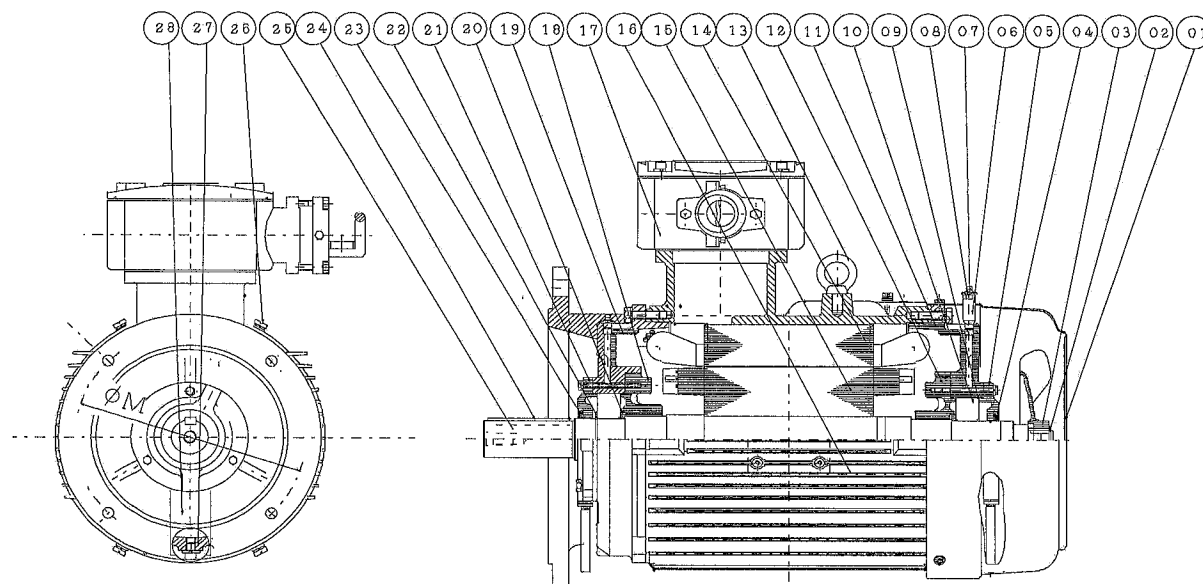


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	14	STOP RING-BEARING
2	OUTSIDE RETAINING RING	15	BEARING
3	EXTERNAL FAN	16	END BRACKET
4	OIL SEAL	17	KEY
5	END BRACKET	18	SHAFT
6	PRE-LOAD SPRING	19	PLUG
7	BEARING	20	GROUNDING TERMINALS LABEL
8	STATOR		
9	EYE BOLT		
10	ROTOR		
11	FRAME		
12	TERMINAL BOX ASSY		
13	OUTSIDE RETAINING RING		

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9535</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 ( IM 3001 ) FRAME NOS. 180M~ 280M	33 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

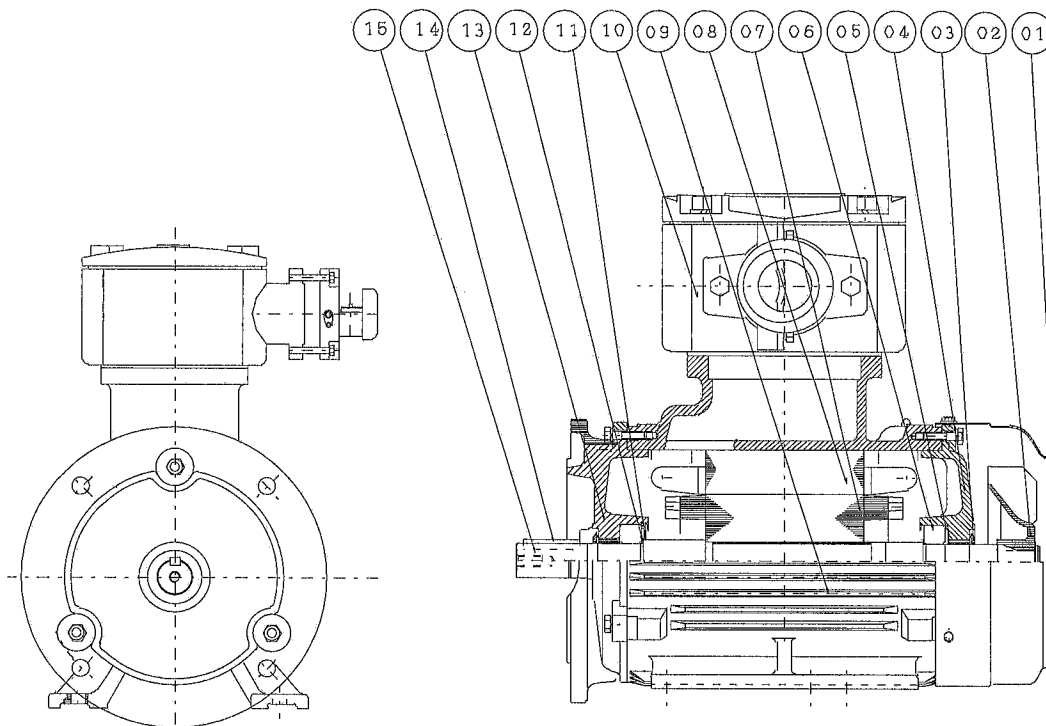


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	16	FRAME
2	OUTSIDE RETAINING RING	17	TERMINAL BOX ASSY
3	EXTERNAL FAN	18	BEARING COVER - INNER
4	OIL SEAL	19	END BRACKET
5	BEARING COVER - OUTER	20	OUTSIDE RETAINING RING
6	GREASE PIPE	21	BEARING COVER - OUTER
7	GREASE FLINGER	22	PRE-LOAD SPRING
8	GREASE NIPPLE	23	OIL SEAL
9	PRE - LOAD SPRING	24	KEY
10	BEARING	25	SHAFT
11	END BRACKET	26	NAME PLATE
12	BEARING COVER - INNER	27	OIL DRAIN COVER
13	EYE BOLT	28	PLUG
14	STATOR		
15	ROTOR		

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9535</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 ( IM 2001 ) FRAME NOS. 80M~112M	34 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

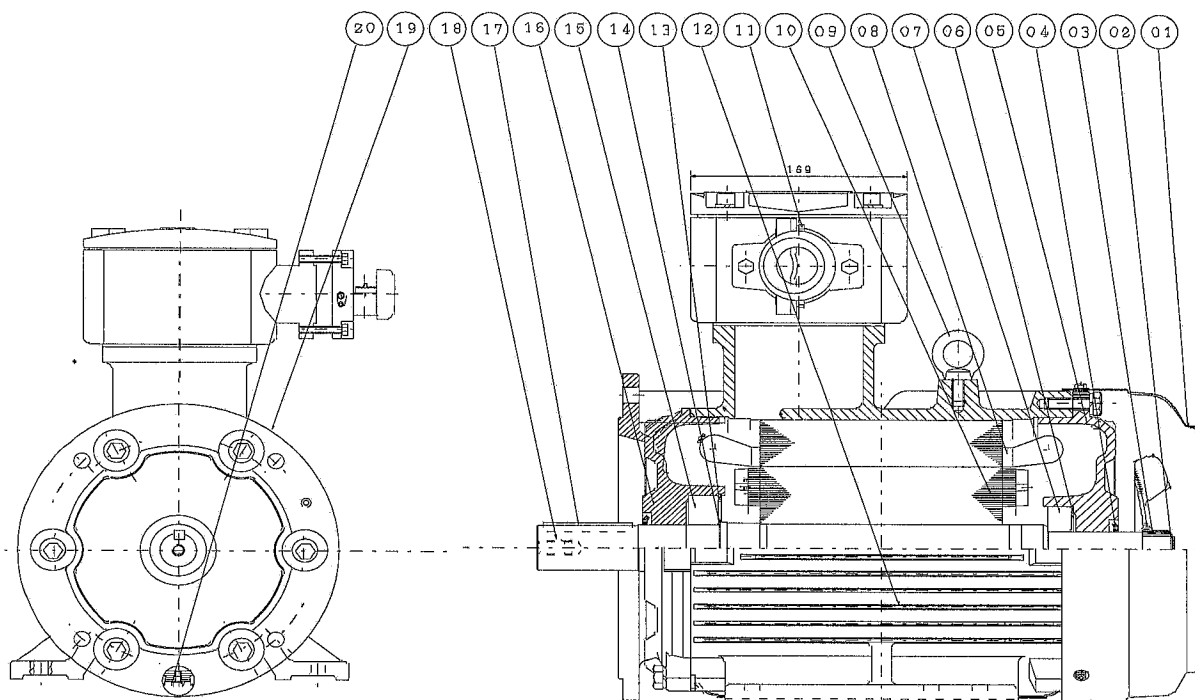


ITEM	NAME	ITEM	NAME
1	FAN COVER	11	TERMINAL BOX ASSY
2	EXTERNAL FAN	12	OUTSIDE RETAINING RING
3	END BRACKET	13	FLANGE BRACKET
4	OIL SEAL	14	KEY
5	PRE-LOAD SPRING	15	SHAFT
6	BEARING		
7	ROTOR		
8	STATOR		
9	FRAME		
10	TERMINAL BOX ASSY		

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9536</div> <div>REV. 00</div>	<div>1/2</div>
CHKD.	S.L.Zhu	14-Sep-15				
DWN.	J.P.Cao	14-Sep-15				

ISSUED	<b>SCHEMATIC DRAWING</b>  FLAMEPROOF MOTORS Ex d B35 ( IM 2001 ) FRAME NOS. 132S ~ 160L	MODEL
14-Sep-15		<b>TEBY</b>
REVISED		PAGE
		35 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

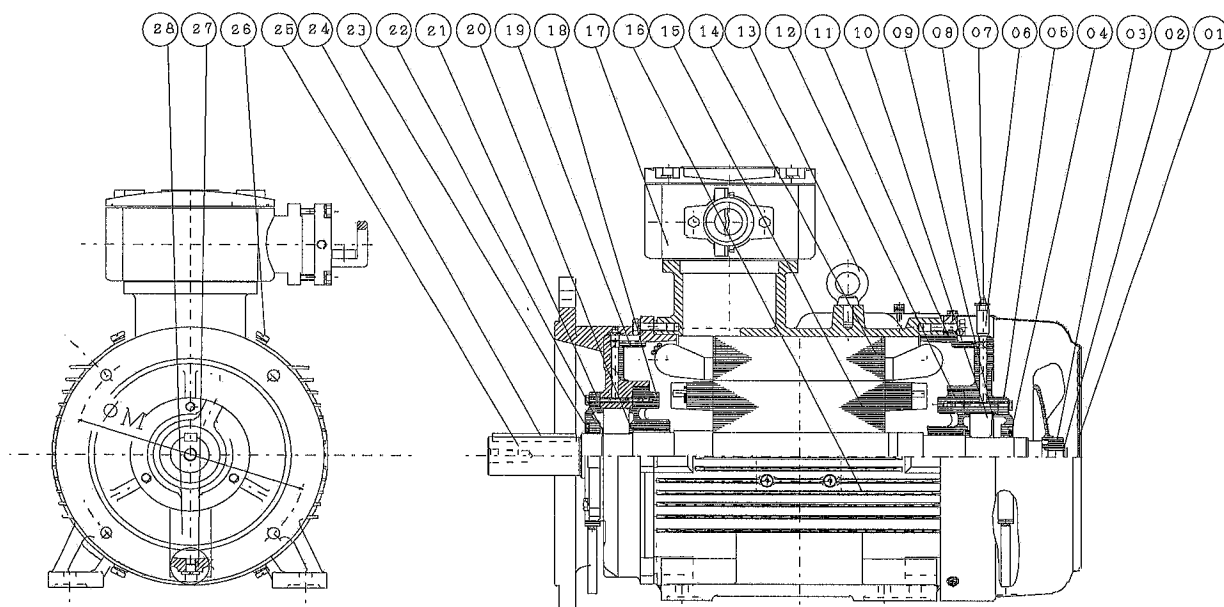


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	14	STOP RING-BEARING
2	OUTSIDE RETAINING RING	15	BEARING
3	EXTERNAL FAN	16	END BRACKET
4	OIL SEAL	17	KEY
5	END BRACKET	18	SHAFT
6	PRE-LOAD SPRING	19	PLUG
7	BEARING	20	GROUNDING TERMINALS LABEL
8	STATOR		
9	EYE BOLT		
10	ROTOR		
11	FRAME		
12	TERMINAL BOX ASSY		
13	OUTSIDE RETAINING RING		

APPD.	S.J.Hu	14-Sep-15	<b>B</b>  Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>32057R9536</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00
				2/2

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 ( IM 2001 ) FRAME NOS. 180M ~ 355L	36 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

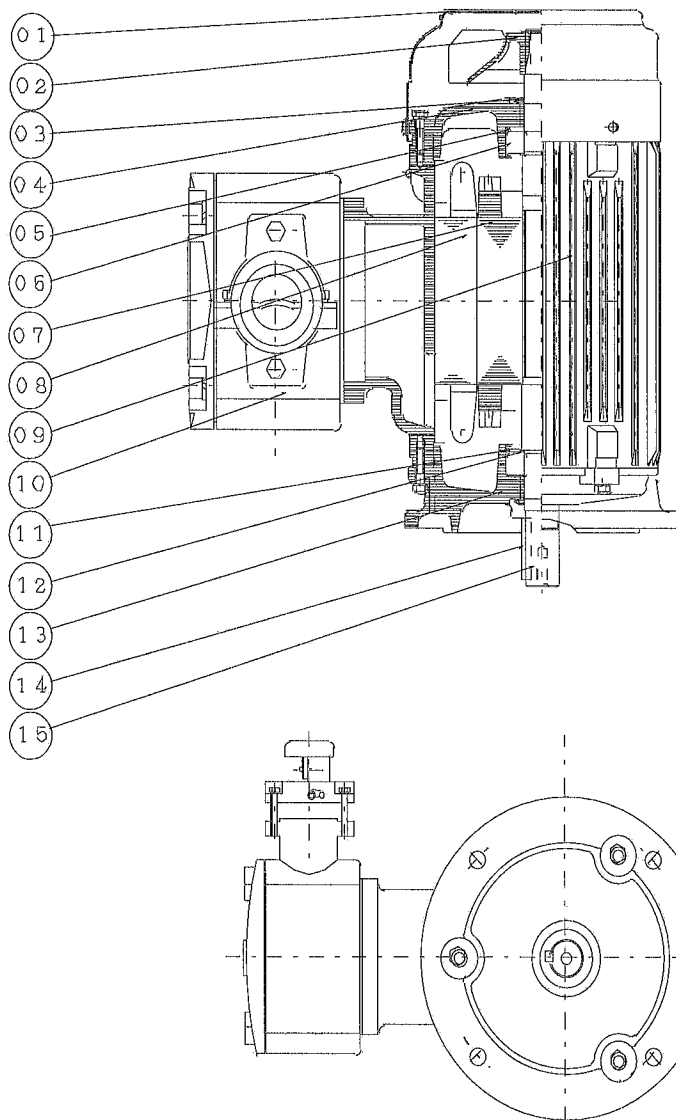


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	16	FRAME
2	OUTSIDE RETAINING RING	17	TERMINAL BOX ASSY
3	EXTERNAL FAN	18	BEARING COVER - INNER
4	OIL SEAL	19	END BRACKET
5	BEARING COVER - OUTER	20	OUTSIDE RETAINING RING
6	GREASE PIPE	21	BEARING COVER - OUTER
7	GREASE FLINGER	22	PRE-LOAD SPRING
8	GREASE NIPPLE	23	OIL SEAL
9	PRE - LOAD SPRING	24	KEY
10	BEARING	25	SHAFT
11	END BRACKET	26	NAME PLATE
12	BEARING COVER - INNER	27	OIL DRAIN COVER
13	EYE BOLT	28	PLUG
14	STATOR		
15	ROTOR		

APPD.	S.J.Hu	14-Sep-15	<b>B</b> Wuxi, China	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>3W049Z274</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00

ISSUED	<b>SCHEMATIC DRAWING</b>  FLAMEPROOF MOTORS Ex d V1 ( IM 3011 ) FRAME NOS. 80M ~ 112M	MODEL
14-Sep-15		<b>TEBY</b>
REVISED		PAGE
		37 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.

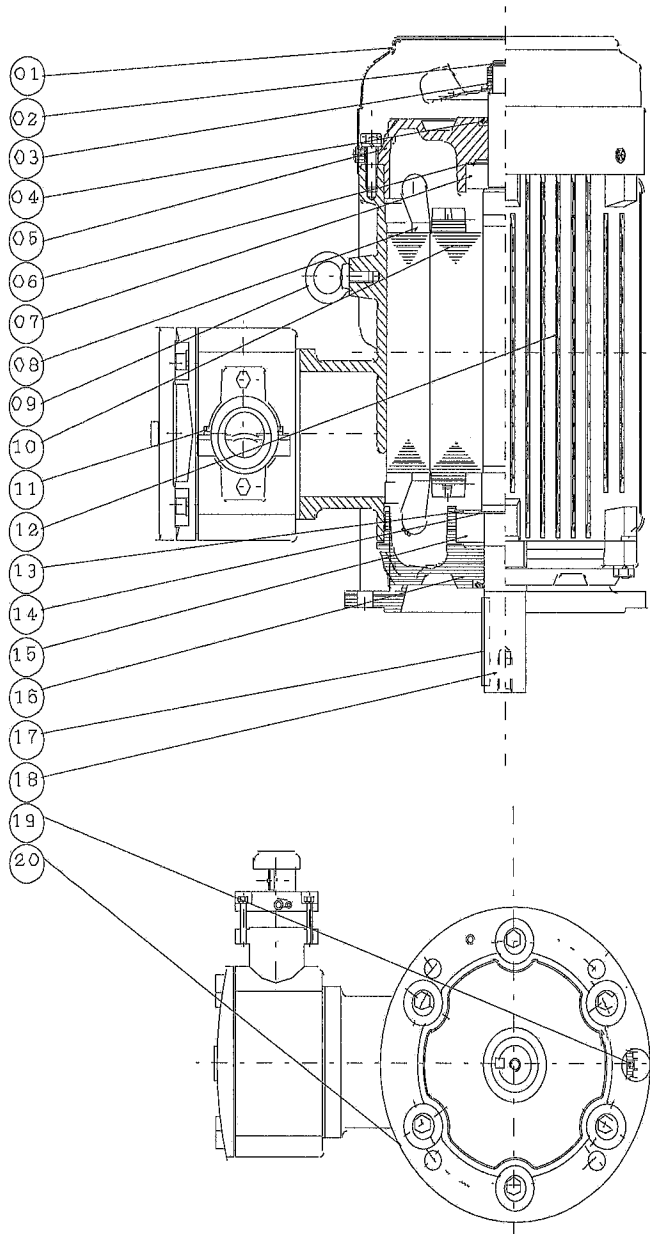


ITEM	NAME
1	FAN COVER
2	EXTERNAL FAN
3	END BRACKET
4	OIL SEAL
5	PRE-LOAD SPRING
6	BEARING
7	ROTOR
8	STATOR
9	FRAME
10	TERMINAL BOX ASSY
11	OUTSIDE RETAINING RING
12	STOP RING-BEARING
13	FLANGE BRACKET
14	KEY
15	SHAFT

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9537</div> <div>REV. 00</div> <div>1/2</div>
CHKD.	S.L.Zhu	14-Sep-15			
DWN.	J.P.Cao	14-Sep-15			

ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 ( IM 3011 ) FRAME NOS. 132S ~ 160L	38 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



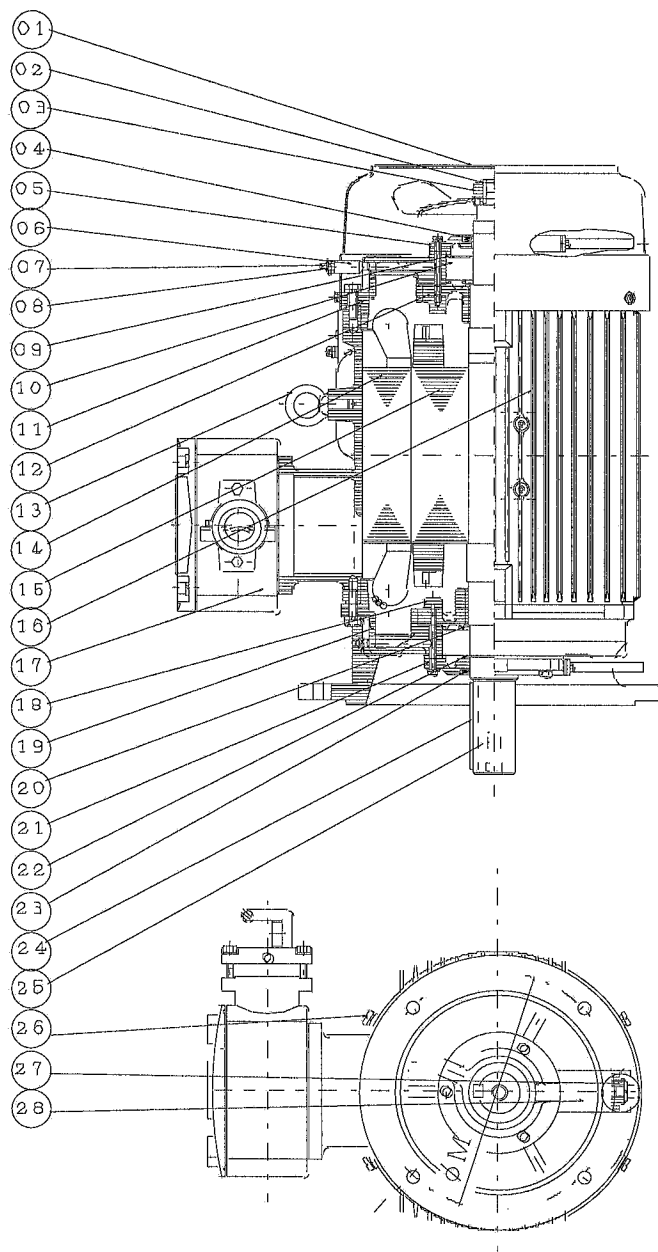
ITEM	NAME
1	EXTERNAL FAN ASSY
2	OUTSIDE RETAINING RING
3	EXTERNAL FAN
4	OIL SEAL
5	END BRACKET
6	PRE-LOAD SPRING
7	BEARING
8	STATOR
9	EYE BOLT
10	ROTOR
11	FRAME
12	TERMINAL BOX ASSY
13	OUTSIDE RETAINING RING
14	STOP RING-BEARING
15	BEARING
16	END BRACKET
17	KEY
18	SHAFT
19	PLUG
20	GROUNDING TERMINALS LABEL

APPD.	S.J.Hu	14-Sep-15	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9537</div>
CHKD.	S.L.Zhu	14-Sep-15		REV. 00	
DWN.	J.P.Cao	14-Sep-15		2/2	



ISSUED	<b>SCHEMATIC DRAWING</b>	MODEL
14-Sep-15		<b>TEBY</b>
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 ( IM 3011 ) FRAME NOS. 1800M ~ 355L	39 of 39

Totally Enclosed Fan-Cooled Type, Squirrel - Cage Rotor.



ITEM	NAME
1	EXTERNAL FAN ASSY
2	OUTSIDE RETAINING RING
3	EXTERNAL FAN
4	OIL SEAL
5	BEARING COVER - OUTER
6	GREASE PIPE
7	GREASE FLINGER
8	GREASE NIPPLE
9	PRE - LOAD SPRING
10	BEARING
11	END BRACKET
12	BEARING COVER - INNER
13	EYE BOLT
14	STATOR
15	ROTOR
16	FRAME
17	TERMINAL BOX ASSY
18	BEARING COVER - INNER
19	END BRACKET
20	OUTSIDE RETAINING RING
21	BEARING COVER - OUTER
22	PRE-LOAD SPRING
23	OIL SEAL
24	KEY
25	SHAFT
26	NAME PLATE
27	OIL DRAIN COVER
28	PLUG

APPD.	S.J.Hu	14-Sep-15	<b>B</b>	DWG NO.
CHKD.	S.L.Zhu	14-Sep-15		<b>3W049Z275</b>
DWN.	J.P.Cao	14-Sep-15		REV. 00
			Wuxi, China	1/1