

PRODUCT NOTE CHANGE NOTICE

無錫東元電機
有限公司

2016.10.25

發圖章

DWG .NO. 32057R9635

TECO'S MODEL : TEBV

Revision Date VOL. Revised or New Material

RDC	1
WXDC	1
HTEM	1
TSH	1

APPD.	Sean.W	18-Jul-16
CHKD.	Andy.H	18-Jul-16
DWN.	Sandy.Z	18-Jul-16

B

Wuxi, China

DWG NO.

32057R9635

REV. 00

1/2

EFFECTIVE : 18-Jul-16

REVISED : _____

無錫東元電機
有限公司

2016.10.25

發圖章

PRODUCT NOTE

MODEL : TEBV

TYPE : EVFY/EVFU

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

第二原稿設變時
須由原單位處理

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		APPD.	Sean.W	18-Jul-16	DWG NO. 32057R9635 REV. 002/2
		CHKD.	Andy.H	18-Jul-16	
		DWN.	Sandy.Z	18-Jul-16	
<div>B</div> <div>Wuxi, China</div>					

ISSUED 18-Jul-16			SPECIFICATION TABLE FLAMEPROOF MOTORS Ex d LOW VOLTAGE SQUIRREL CAGE			MODEL TEBV					
REVISED						PAGE 1 of 39					
ITEM				STANDARD SPECIFICATION							
R A T I O N G	Kind of Motors			Squirrel - Cage Induction Motors (SCIM) .							
	Design Standards			GB 3836.1,GB3836.2							
	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			Contant Torque Rate:3-50Hz Contant Power Rate:50-100Hz However,2P-45kW Above:Contant Power Rate 50-60Hz 4P-200kW Above:Contant Power Rate 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)							
	Cooling Method			Forced Ventilation Surface Cooled(IC416)							
	Mounting			EVFY : Horizontal Foot Mounted B3 (IM 1001) . EVFU : Horizontal Flange Mounted B5 (IM 3001) . EVFY : Horizontal Foot And Flange Mounted B35 (IM 2001) . EVFU : 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 Group II A, II B							
	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 Starting With Interiver .							
	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			Mounting		Frame Nos.		DWG No.			
				IM B3		80M-355L		32057R9638			
				IM B5		80M-280M		32057R9639			
				IM B35		80M-355L		32057R9640			
				IM V1		80M-355L		32057R9641			
	Frame			High Grade Cast Iron Has Enough Strength Against Required Explosion Pressure .							
	End Bracket			Ditto .							
APPD.		Sean.W		18-Jul-16		B Wuxi, China			DWG NO.		
CHKD.		Andy.H		18-Jul-16					32057R9636		
DWN.		Sandy.Z		18-Jul-16					REV. 00		
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ISSUED 18-Jul-16			SPECIFICATION TABLE FLAMEPROOF MOTORS Ex d LOW VOLTAGE SQUIRREL CAGE				MODEL TEBV	
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ITEM			STANDARD SPECIFICATION					
C O N S T R U C T I O N	Fan Cover		Pressed Steel Plate.					
	External Fan		Pressed Steel Plate.					
	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 RL3 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 B35 V1	Gamma Seal	Gamma Seal		
			Fr#80M~280M	B5	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.	Sean.W	18-Jul-16	B Wuxi, China			DWG NO.		
CHKD.	Andy.H	18-Jul-16				32057R9636		
DWN.	Sandy.Z	18-Jul-16				REV. 00		
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ISSUED 18-Jul-16			SPECIFICATION TABLE FLAMEPROOF MOTORS Ex d LOW VOLTAGE SQUIRREL CAGE					MODEL TEBV	
REVISED								PAGE 3 of 39	
ITEM			STANDARD SPECIFICATION						
CONTAINER	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 inverter Power .						
	Typical Performance		As DWG No.32057R9527(TEBY 50Hz). General Commercial Power Supply						
	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		
Rigid mounting				1.3	1.8	2.3			
OTHER	Certification Marking		Ex d IIB T4 Gb (Fr#80~355)						
	Certification Number		F#	CJEx Number	F#	CJEx Number	F#	CJEx Number	
			80	CJEx16.1024	160	CJEx16.1029	280	CJEx16.1034	
			90	CJEx16.1025	180	CJEx16.1030	315	CJEx16.1035	
			100	CJEx16.1026	200	CJEx16.1031	355	CJEx16.1036	
			112	CJEx16.1027	225	CJEx16.1032			
			132	CJEx16.1028	250	CJEx16.1033			
APPD.	Sean.W	18-Jul-16	B Wuxi, China					DWG NO.	
CHKD.	Andy.H	18-Jul-16						32057R9636	
DWN.	Sandy.Z	18-Jul-16						REV. 00	
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ISSUED				PERFORMANCE DATA												MODEL			
18-Jul-16																TEBV			
REVISED				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS												PAGE			
				LOW VOLTAGE SQUIRREL CAGE												4 of 39			
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	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER	Approx Weight	
KW	HP			rpm	FULL LOAD	3/4 LOAD	2/4 LOAD	FULL LOAD	3/4 LOAD	2/4 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP				BREAK DOWN
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	36	
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	0.020	48	39	
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	36	
		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	37	
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	32	
		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	32	
		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	50	
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	32	
		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	34	
		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	46	
		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	59	
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	34	
		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	44	
		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	50	
		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	63	
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	44	
		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	47	
		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	62	
		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	80	
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	46	
		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	59	
		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	80	
		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	97	
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	61	
		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	62	
		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	95	
		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	106	
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	79	
		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	82	
		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	105	
		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	143	
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	94	
		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	99	
		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	113	
		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	158	
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	102	
		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	107	
		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	156	
		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	176	
APPD.		Sean.W		18-Jul-16		TECO Electric & Machinery Co., Ltd.										DWG NO.			
CHKD.		Andy.H		18-Jul-16												32057R9637			
DWN.		Sandy.Z		18-Jul-16												Wuxi, China			
REV. 00																		1/4	

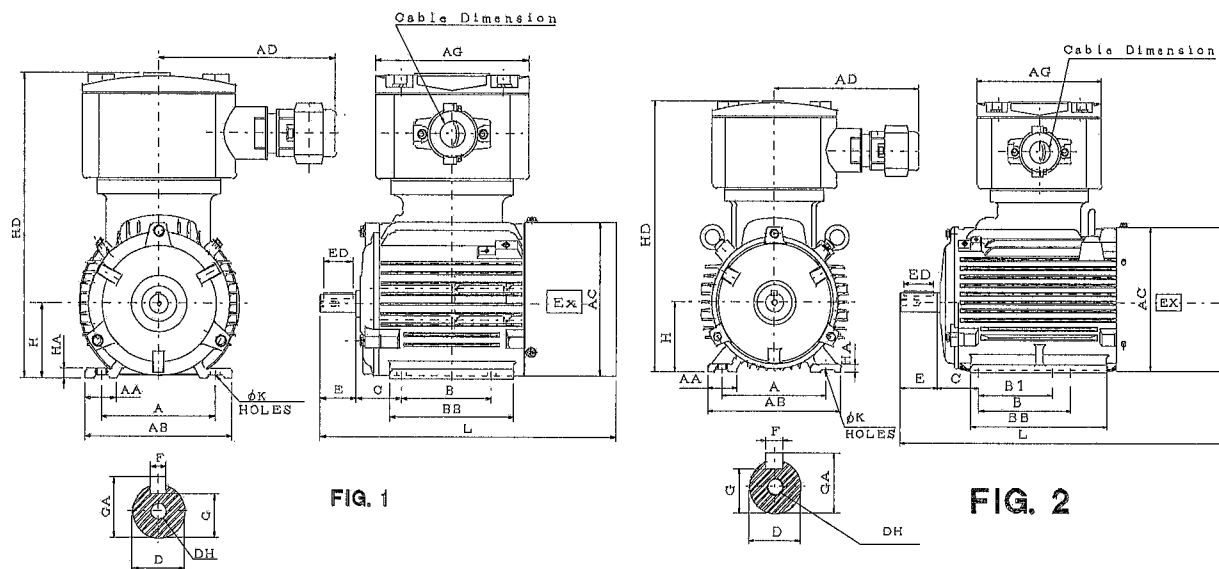
ISSUED				PERFORMANCE DATA												MODEL			
18-Jul-16				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												TEBV			
REVISED																PAGE			
				TEFC, CLASS F, 40°C AMBIENT TEMP. IEC ; GB DESIGN N CONTINUOUS DUTY S.F. 1.0, 380V 50HZ TYPICAL PERFORMANCE												(380V)			
OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ² kg-m ²	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	3.6523	230	185	285	0.183	86	140	
		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	154	
		970	160L	90.3	91.0	90.5	78.0	72.0	60.5	23.7	179	11.051	295	255	285	0.628	73	175	
		720	180L	88.6	89.4	89.1	75.0	74.2	69.6	25.2	163	14.888	200	110	200	0.870	72	250	
15	20	2935	160M	91.9	92.0	92.0	89.0	85.5	77.5	27.9	242	4.9804	275	230	330	0.205	86	154	
		1460	160L	92.1	92.5	92.5	84.5	81.0	71.0	29.3	237	10.012	250	195	285	0.460	75	173	
		970	180L	91.2	92.0	92.0	82.0	78.0	68.0	30.5	211	15.069	215	165	230	1.337	73	249	
		730	200L	89.6	90.0	90.0	76.0	73.0	66.2	33.5	221	20.024	200	110	200	1.635	72	363	
18.5	25	2930	160L	92.4	93.0	93.0	90.0	89.5	84.0	33.8	274	6.1529	245	200	295	0.237	86	172	
		1475	180M	92.6	94.0	93.0	81.5	77.0	69.5	37.2	284	12.222	215	160	255	0.704	76	216	
		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	332	
		730	225M	90.1	90.7	90.7	76.0	75.6	70.9	41.0	271	24.696	190	110	200	2.526	72	391	
22	30	2940	180M	92.7	92.7	92.5	87.0	85.0	77.0	41.4	316	7.2921	225	180	275	0.283	88	240	
		1475	180L	93.0	93.5	93.0	81.0	77.0	71.0	44.4	332	14.535	190	145	245	0.789	76	242	
		975	200L	92.2	93.0	93.5	81.5	77.0	68.0	44.5	321	21.988	210	185	240	2.078	76	364	
		730	225M	90.6	90.8	90.4	78.0	76.2	69.0	47.3	312	29.368	190	110	200	2.915	75	401	
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	325	
		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	361	
		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	403	
		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	549	
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	353	
		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	393	
		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	547	
		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	655	
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	402	
		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	402	
		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	671	
		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	743	
		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	1,117	
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	546	
		1485	250M	94.6	94.6	94.0	87.5	84.5	77.0	101	790	36.1	210	185	265	3.911	83	552	
		980	280M	94.1	94.0	93.5	85.0	82.0	74.0	104	674	54.7	150	125	240	9.600	80	765	
		735	315S	92.5	92.7	92.2	81.0	79.7	76.6	112	736	72.9	180	100	200	17.20	79	1,123	
		590	315M	92.0	92.2	91.7	75.0	73.8	70.9	121	751	90.8	150	100	200	20.25	78	1,172	
APPD.		Sean.W		18-Jul-16		TECO Electric & Machinery Co., Ltd. Wuxi, China										DWG NO.			
CHKD.		Andy.H		18-Jul-16												32057R9637			
DWN.		Sandy.Z		18-Jul-16												REV. 00			
																2/4			

ISSUED				PERFORMANCE DATA												MODEL			
18-Jul-16				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												TEBV			
REVISED																PAGE			
																6 of 39			
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 ² kg-m ²	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	656	
		1480	280S	95.0	95.0	94.2	89.0	87.5	82.0	135	958	49.4	160	135	250	6.400	86	683	
		985	315S	94.6	94.5	93.7	84.5	81.5	73.0	143	948	74.2	160	135	240	14.80	85	1,122	
		735	315M	93.1	93.0	91.4	81.0	80.1	76.1	151	937	99.4	180	90	200	20.00	84	1,186	
		590	315L	92.5	92.3	90.8	76.0	75.2	71.4	162	940	123.9	150	90	200	24.00	83	1,320	
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	745	
		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	772	
		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	1,185	
		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	1,186	
		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	1,395	
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	1,120	
		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	1,128	
		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	1,331	
		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	1,414	
		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	1,788	
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	1,181	
		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	1,188	
		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	1,410	
		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	1,795	
		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	1,859	
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	1,328	
		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	1,331	
		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	1,793	
		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	1,870	
		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	2,066	
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	1,407	
		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	1,414	
		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	2,087	
		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	2,167	
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	1,484	
		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	1,492	
		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	2,181	
		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	2,181	
		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	2,238	
APPD.		Sean.W		18-Jul-16		TECO Electric & Machinery Co., Ltd. Wuxi, China										DWG NO.			
CHKD.		Andy.H		18-Jul-16												32057R9637			
DWN.		Sandy.Z		18-Jul-16												REV. 00 3/4			

ISSUED				PERFORMANCE DATA												MODEL			
18-Jul-16				IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE												TEBV			
REVISED																PAGE			
																7 of 39			
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 ² kg-m ²	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				
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	1,791	
		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	1,807	
		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	2,085	
		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	2,255	
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	1,867	
		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	1,870	
		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	2,178	
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	2,079	
		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	2,086	
		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	2,256	
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	2,176	
		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	2,173	
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	2,252	
		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	2,257	
<p>NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.</p> <p>2. Tolerance according to GB 755, IEC 60034-1.</p> <p>3. Breakdown & Locked rotor torques are show as average expected voltages.</p> <p>4. Efficiency, power factor, speed and torque are the same for other voltages. Current values vary inversely with voltage.</p> <p>5. 0.55 kW and below : Efficiency per TECO performance standard (Not IE3).</p> <p>6. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)</p> <p>7. Data subject to change without notice.</p>																			
APPD.		Sean.W		18-Jul-16		TECO Electric & Machinery Co., Ltd. Wuxi, China										DWG NO.			
CHKD.		Andy.H		18-Jul-16												32057R9637			
DWN.		Sandy.Z		18-Jul-16												REV. 00			
																4/4			

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 (IM 1001) FRAME NOS. 80M ~ 100L	8 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

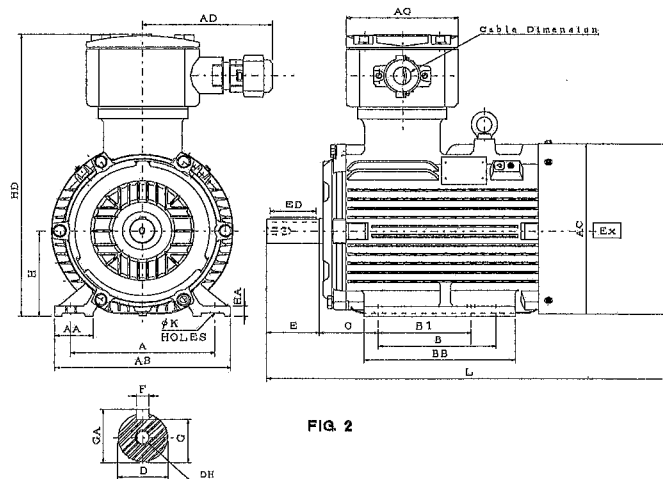
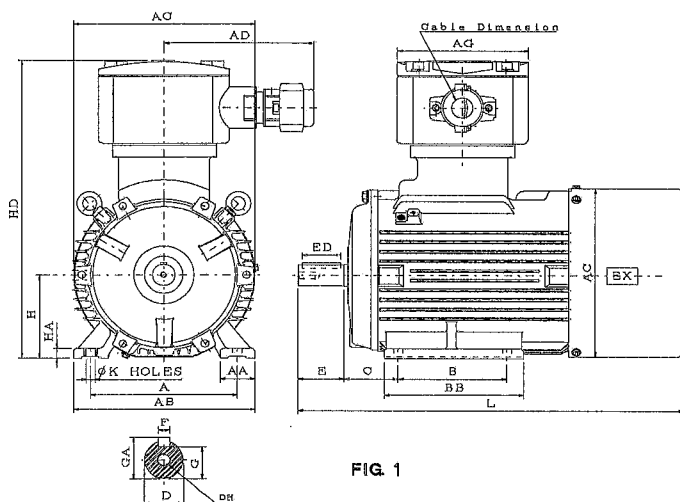
Output (kW)				FRAME	FIG.	A	AA	AB	AC	AD	AG	B1	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P	SIZE	NO.															
0.75	0.55	0.37	0.18	80M1	1	125	34.5	161	177	195	169	無	100	137	50	80	10	326	10	432
1.1	0.75	0.55	0.25	80M2																
1.5	1.1	0.75	0.37	90L1	2	140	40	180	197			100	125	186	56	90	10	350	10	508
2.2	1.5	1.1	0.55	90L2																
3	2.2	1.5	0.75	100L1	2	160	40	200	219			無	140	211	63	100	12	375	12	591
	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	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																				

Note : 1. Tolerance of shaft end diameter D : j6.
2. Tolerance of shaft center height H : +0,-0.5.

APPD.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd.	DWG NO. 32057R9638
CHKD.	Andy.H	18-Jul-16		
DWN.	J.P.Cao	18-Jul-16		
			Wuxi, China	REV. 00 1/5

ISSUED 18-Jul-16	OUTLINE DIMENSIONS SHEET	MODEL TEBV
		PAGE 9 of 39
REVISED	FLAMEPROOF MOTORS Ex d B3 (IM 1001) FRAME NOS. 112M~160L	

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

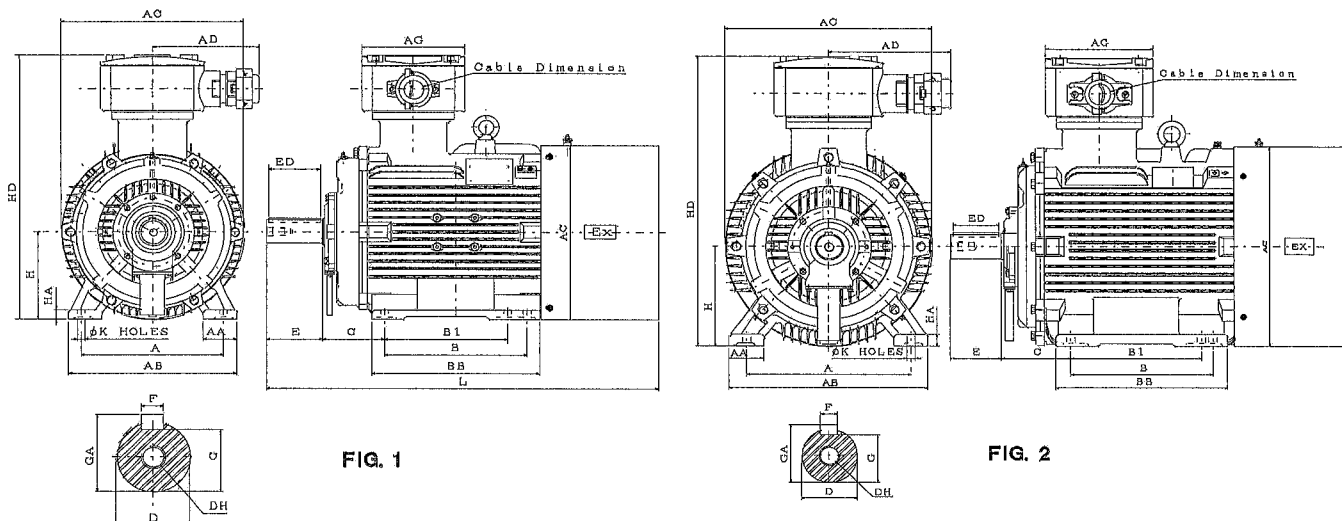
Output (kW)				FRAME	FIG.	A	AA	AB	AC	AD	AG	B1	B	BB	C	H	HA	HD	K	L						
2P	4P	6P	8P	SIZE	NO.																					
4	4	2.2	1.5	112M	1	190	45	235	235	195	169	無	140	180	70	112	13	400	12	609						
5.5	5.5	3	2.2	132S1	2	216	57	263	273	195	169	無	140	190	89	132	16	445	12	636						
7.5				132S2																						
—	7.5	4	3	132M1								140	178	230	89											
		5.5		132M2																						
—	11	7.5	—	160M	2	254	60	300	317	214	205	無	210	256	108	160	18	487	14.5	797						
11	11	7.5	4	160M1																						
15			5.5	160M2								210														
18.5	15	11	7.5	160L																						
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	306ZZC3	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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd. Wuxi, China	DWG NO. 32057R9638
CHKD.	Andy.H	18-Jul-16		REV. 00
DWN.	J.P.Cao	18-Jul-16		2/5

ISSUED 18-Jul-16	OUTLINE DIMENSIONS SHEET	MODEL TEBV
REVISED	FLAMEPROOF MOTORS Ex d B3 (IM 1001) FRAME NOS. 180M ~225M	PAGE 10 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

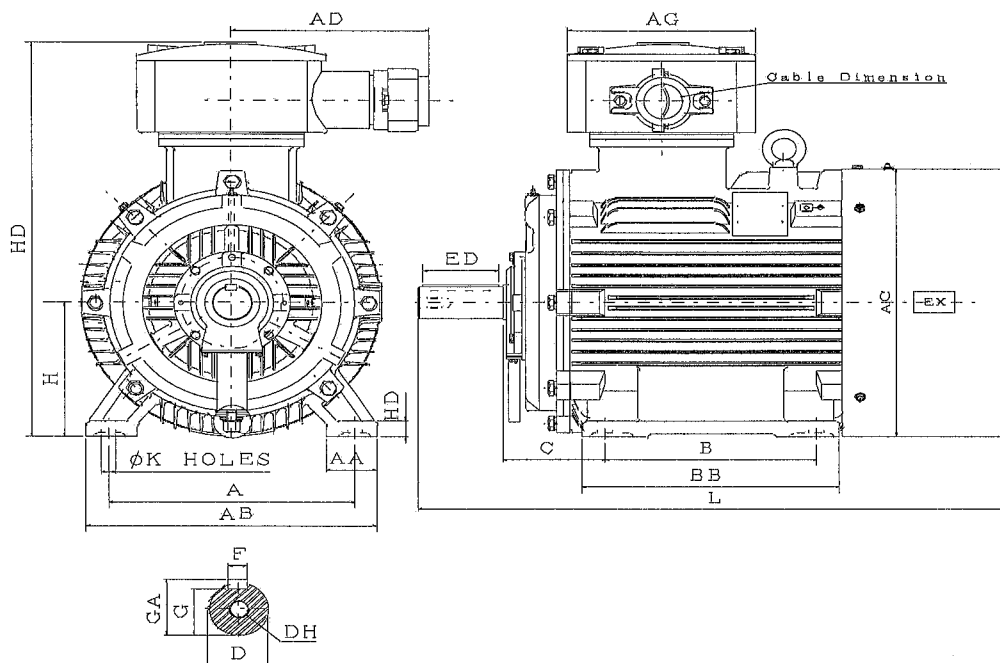
Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	B1	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P			279	65	330	355	214	205	無 241	241 279	292 330	121	180	20	542	14.5	855 893
22	18.5	—	—	180M	1	279	65	330	355	214	205	無 241	241 279	292 330	121	180	20	542	14.5	855 893
—	22	15	11	180L		279	65	330	355	214	205	無 241	241 279	292 330	121	180	20	542	14.5	855 893
30	30	18.5	15	200L1	1	318	70	378	399	270	235	無	305	365	133	200	24	610	18.5	955
37		22		200L2		318	70	378	399	270	235	無	305	365	133	200	24	610	18.5	955
—	37	—	18.5	225M1	2	356	75	431	449	270	235	286	311	375	149	225	28	652	18.5	1008 (978) 1008
45	45	30	22	225M2		356	75	431	449	270	235	286	311	375	149	225	28	652	18.5	1008 (978) 1008
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

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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd. Wuxi, China	DWG NO. 32057R9638 REV. 00 3/5
CHKD.	Andy.H	18-Jul-16		
DWN.	J.P.Cao	18-Jul-16		

ISSUED 18-Jul-16	OUTLINE DIMENSIONS SHEET FLAMEPROOF MOTORS Ex d B3 (IM 1001) FRAME NOS. 250M ~ 315M	MODEL TEBV
REVISED		PAGE 11 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

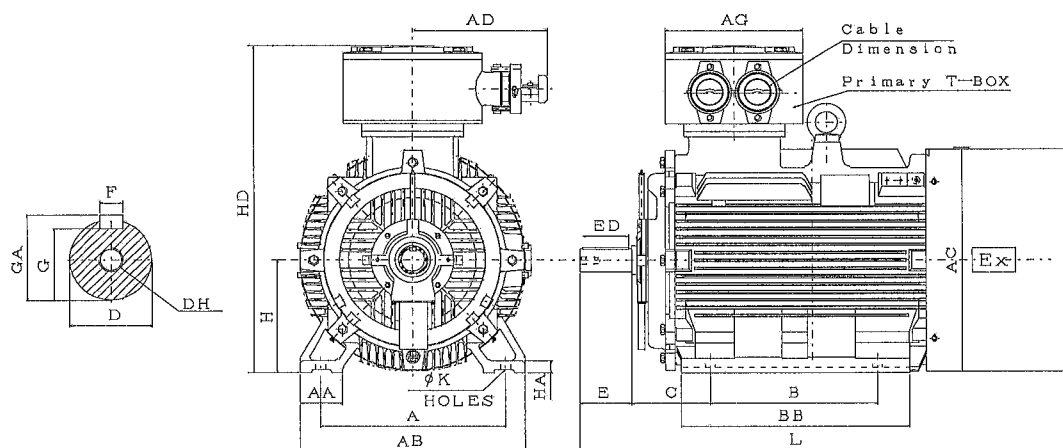
Output (kW)					FRAME SIZE	A	AA	AB	AC	AD	AG	B	BB	C	H	HA	HD	K	L
2P	4P	6P	8P	10P															
55	55	37	30	—	250M	406	85	480	498	325.5	310	349	425	168	250	30	740	24	1125
75	75	45	37	—	280S	457	110	560	528			368	465	190	280	35	780		1220
90	90	55	45	—	280M							419	516						1280
110	110	75	55	45	315S	508	115	615	620	370	380	406	550	216	315	35	898		28
132	132	90	75	55	315M	508	115	615				457	610	216	315	35	913	(1415) 1445	
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								
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																			
315S		(65) 80	(140) 170	(125) 160	(18) 22	(58) 71	(69) 85	M20X40	(6316C3) 6320C3		(6314C3) 6316C3		rubber sheath cable or M64x2 or M63X1.5		Ø38~Ø58				
315M																			

- 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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd. Wuxi, China	DWG NO. 32057R6938 REV. 00 4/5
CHKD.	Andy.H	18-Jul-16		
DWN.	J.P.Cao	18-Jul-16		

ISSUED 18-Jul-16	OUTLINE DIMENSIONS SHEET FLAMEPROOF MOTORS Ex d B3 (IM 1001) FRAME NOS. 315L ~ 355L	MODEL TEBV
REVISED		PAGE 12 of 39

Totally Enclosed Forced Ventilated 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	(1515) 1545
(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		(1661) 1691
250	250	200	160	132	355M2														
(280)	(280)	(220)	(185)	160	355L1														
315	315	250	200	(185)	355L2														
355	355	280	(220)	200	355L3							630	770					(1711) 1741	
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		Ø38~Ø58				
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													or NPT 2.5"						
355L1																			
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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd. Wuxi, China	DWG NO. 32057R9638 REV. 00	5/5
CHKD.	Andy.H	18-Jul-16			
DWN.	J.P.Cao	18-Jul-16			

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 80M~112M	13 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

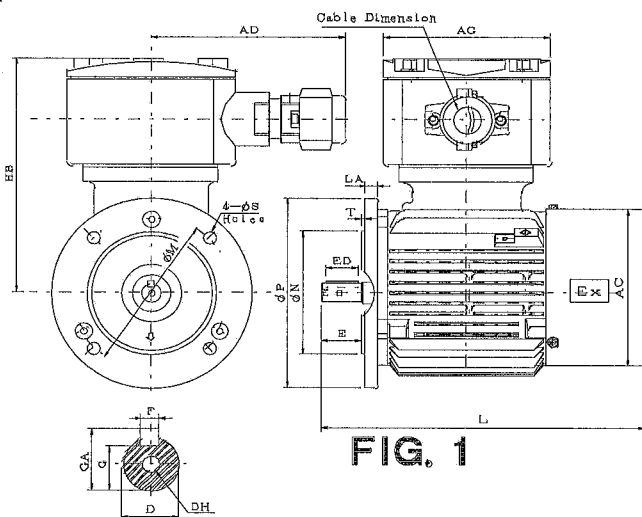


FIG. 1

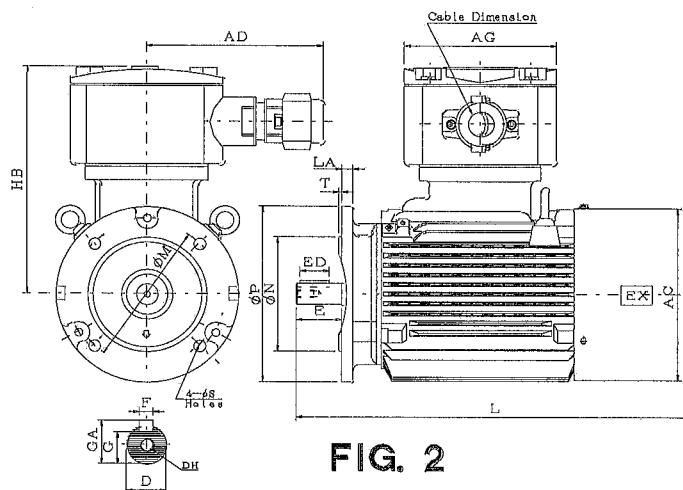


FIG. 2

Dimensions in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	HB	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	195	169	246	431.5
1.1	0.75	0.55	0.25	80M2								197	195	169	260	508
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	2	16	215	180	250	14.5	4	219	195	169	275	591
	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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd.	DWG NO. 32057R9639
CHKD.	Andy.H	18-Jul-16		
DWN.	Sandy.Z	18-Jul-16		
			Wuxi, China	REV. 00 1/4

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 112M~160L	14 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

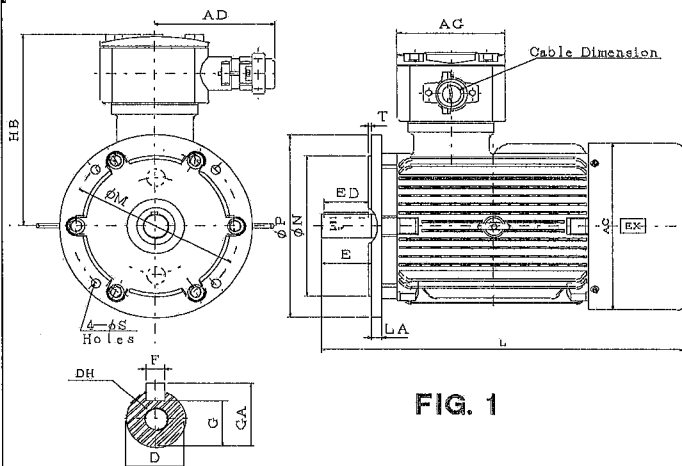


FIG. 1

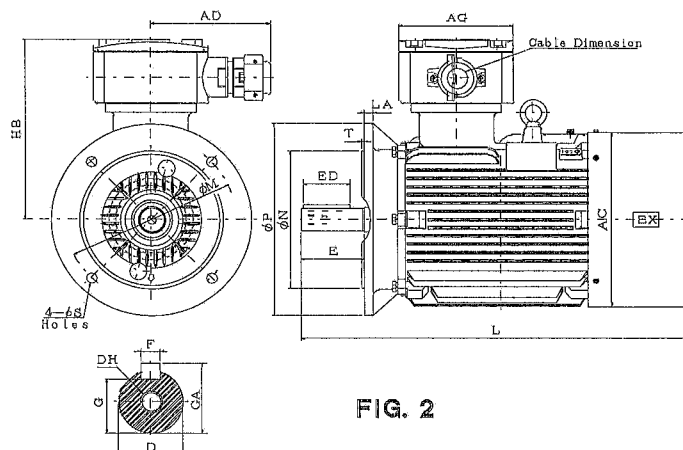


FIG. 2

Dimensions in mm

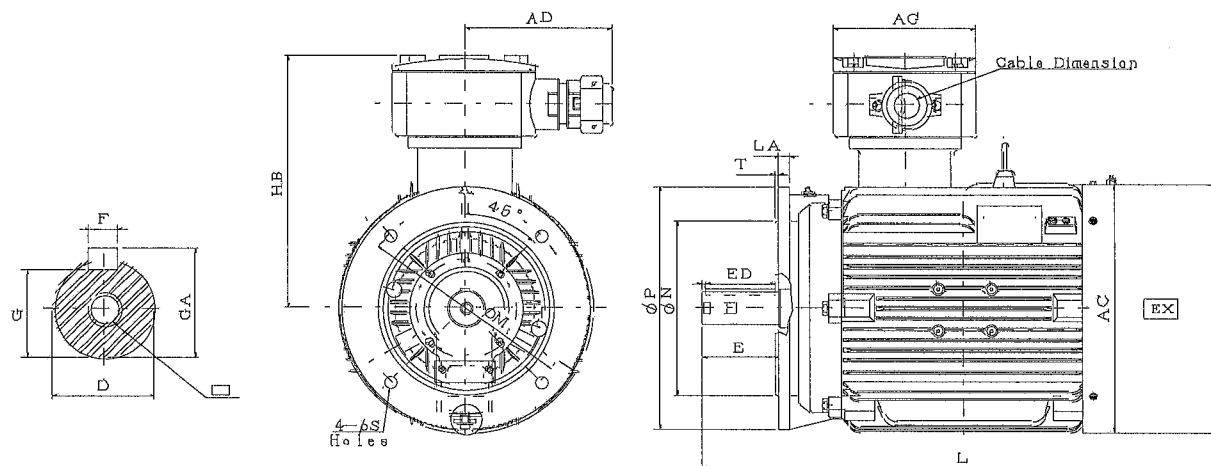
Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	HB	L
2P	4P	6P	8P			LA	M	N	P	S	T					
4	4	2.2	1.5	112M	1	15	215	180	250	14.5	4	235	195	169	288	609
5.5	5.5	3	2.2	132S1	1	16	265	230	300	14.5	4	273	195	169	313	636
7.5				132S2												
—	7.5	4	3	132M1												676
		5.5		132M2												
—	11	7.5	—	160M	2	15	300	250	350	18.5	4	317	214	205	327	797
11			4	160M1												
15			5.5	160M2												
18.5			15	11												7.5
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					
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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd.	DWG NO. 32057R9639
CHKD.	Andy.H	18-Jul-16		
DWN.	Sandy.Z	18-Jul-16		
			Wuxi, China	REV. 00
				2/4

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 180M~200L	15 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

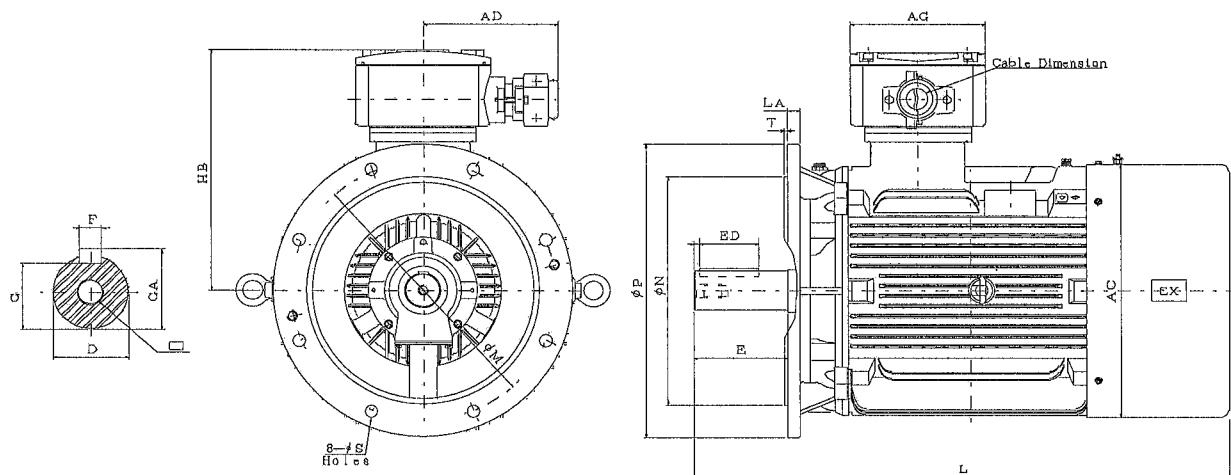
Output (kW)				FRAME SIZE	FLANGE DIMENSION						AC	AD	AG	HB	L
2P	4P	6P	8P		LA	M	N	P	S	T					
22	18.5	—	—	180M	15	300		350	18.5	5	355	214	205	362	855
—	22	15	11	180L											893
30	30	18.5	15	200L1	17	350	300	400			399	270	235	410	955
37		22		200L2											
FRAME SIZE		SHAFT EXTENSION						BEARING		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			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.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd.	DWG NO. 32057R9639
CHKD.	Andy.H	18-Jul-16		
DWN.	Sandy.Z	18-Jul-16		
			Wuxi, China	REV. 00 3/4

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 225M ~ 280M	16 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

Output (kW)					FRAME	FLANGE DIMENSION						AC	AD	AG	HB	L
2P	4P	6P	8P	10P	SIZE	LA	M	N	P	S	T					
—	37	—	18.5	—	225M1	20	400	350	450	18.5	5	449	270	235	427	1008
45	45	30	22	—	225M2							(978) 1008				
55	55	37	30	—	250M	22	500	450	550			498	325.5	310	490	1125
75	75	45	37	—	280S							528	325.5		500	1220
90	90	55	45	—	280M					1280						
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					
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																

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

APPD.	Sean.W	18-Jul-16	TECO Electric&Machinery Co.,Ltd. Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9639
DWN.	Sandy.Z	18-Jul-16		REV. 00 4/4

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 (IM 2001) FRAME NOS. 80M ~100L	17 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

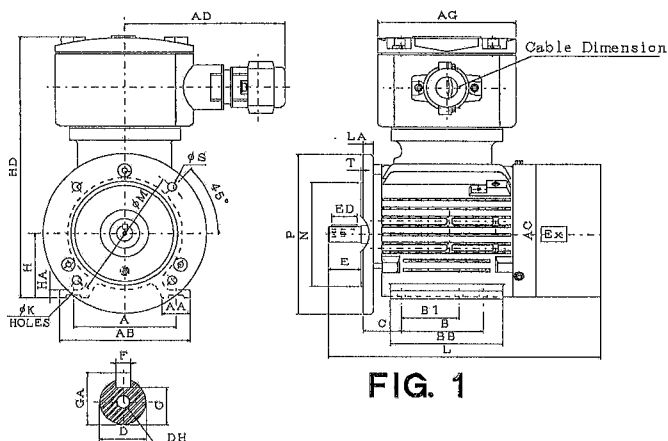


FIG. 1

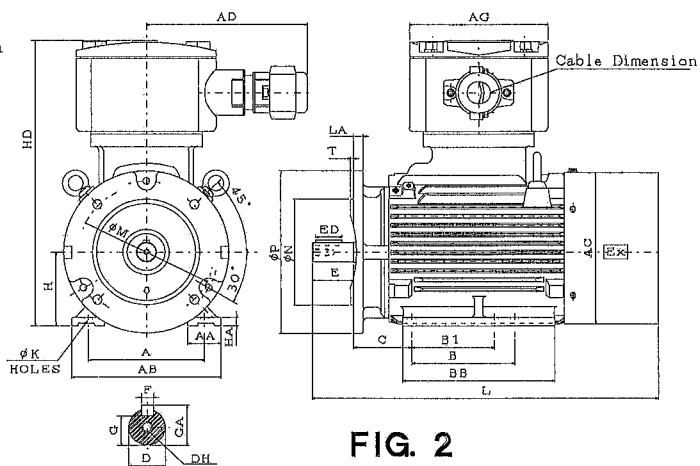


FIG. 2

Dimensions in mm

Output (kW)				FRAME E 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																															
1.5	1.1	0.75	0.37	90L1	2																140	40		180	197			100	125	186	56	90			
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	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 ENI	OPPOSITE E DRIVE END	SIZE of CABLE	the outer DIAMETER of		
80M1	326	10	432	19	40	32	6	15.5	21.5	M6X16	6204ZZC3	6204ZZC3	rubber sheath cable or M30x2 or NPT 1"	Ø13~Ø22																					
80M2																																			
90L1	350	10	508	24	50	40	8	20	27	M8X19	6205ZZC3	6205ZZC3																							
90L2																																			
100L1	375	12	591	28	60	50	8	24	31	M10X22	6206ZZC3	6206ZZC3																							
100L2																																			

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

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9640
DWN.	J.P.Cao	18-Jul-16		REV. 00 1/6

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 (IM 2001) FRAME NOS. 112M ~132M	18 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

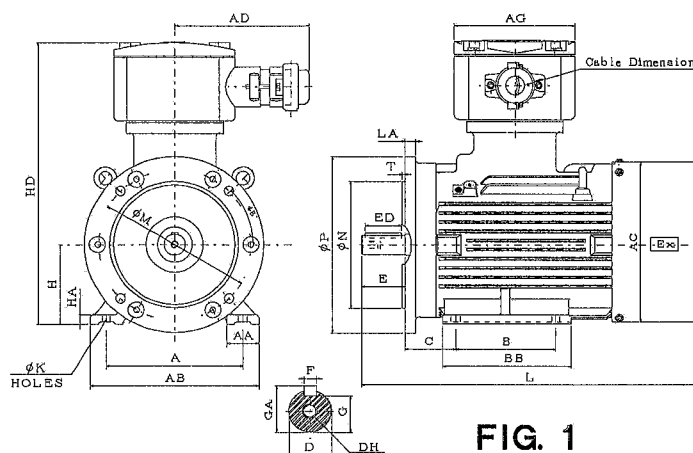


FIG. 1

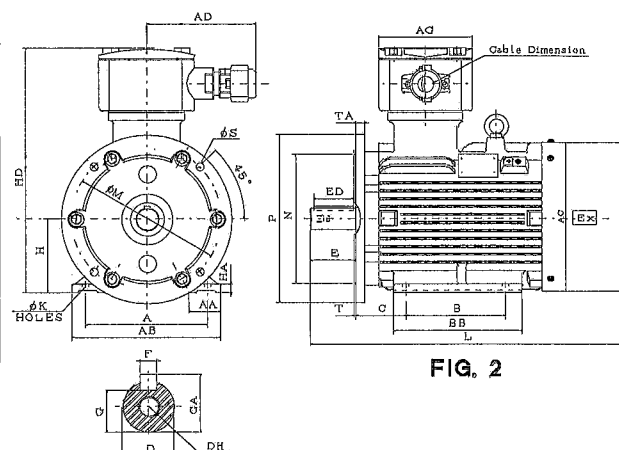


FIG. 2

Dimensions in mm

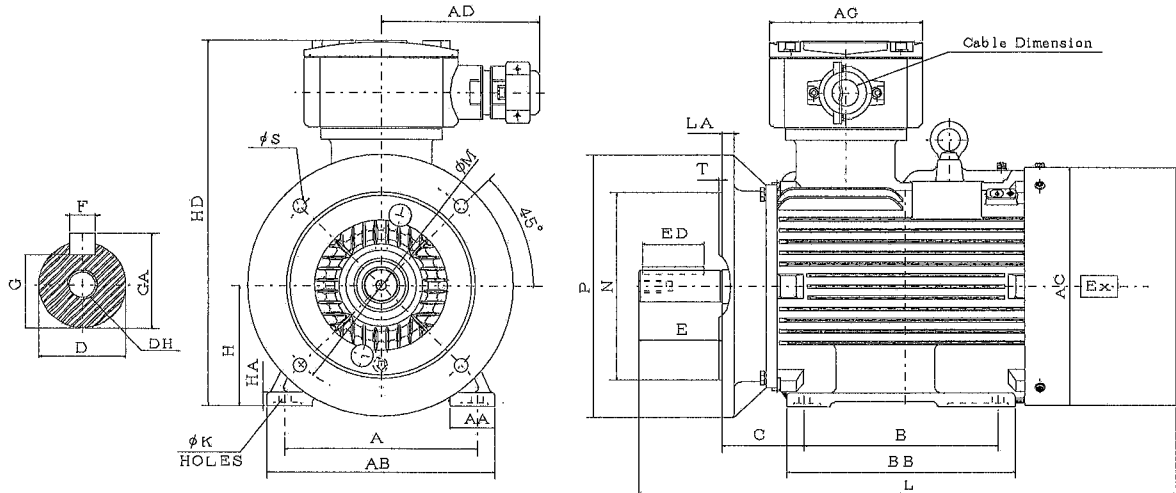
Output (kW)				FRAME	FIG.	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA
2P	4P	6P	8P	SIZE	NO.	LA	M	N	P	S	T												
4	4	2.2	1.5	112M	1	15	215	180	250	12	3.5	190	45	235	235	169	195	無	140	180	70	112	13
5.5	5.5	3	2.2	132S1	2	16	265	230	300	14.5	4	216	57	263	273			無	140	190	89	132	16
7.5				132S2														140	230				
—	7.5	4	3	132M1														140	178	230			
—				5.5														132M2					
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	609	28	60	50	8	24	31	M10X22			6306ZZC3		6306ZZC3		rubber sheath cable or M30x2 or NPT 1"	Ø13~Ø22					
132S1	445	12	636	38	80	70	10	33	41	M12X28			6308ZZC3		6306ZZC3								
132S2																							
132M1																							
132M2			676																				

- 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.	Sean.W	18-Jul-16	<div style="text-align: center;"> B Wuxi, China </div>	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9640
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 (IM 2001) FRAME NOS. 160M~ 180L	19 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

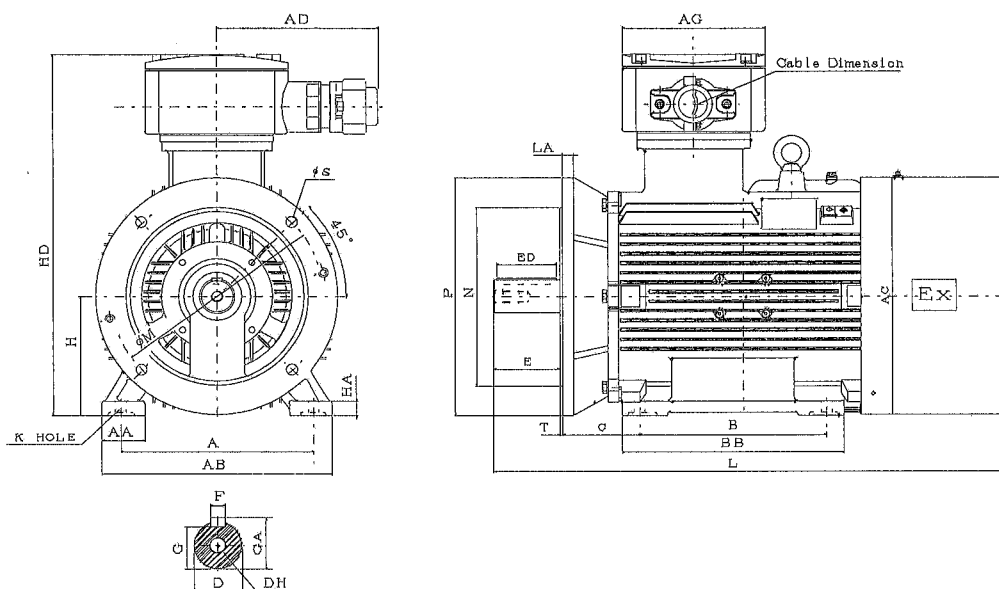
Output (kW)				FRAME	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA		
2P	4P	6P	8P	SIZE	LA	M	N	P	S	T														
—	11	7.5	—	160M	15	300	250	350	18.5	5	254	60	300	317	205	214	無	210	256	108	160	18		
11			4	160M1																				
15			5.5	160M2																				
18.5	15	11	7.5	160L																				
22	18.5	—	—	180M	15	300	250	350	18.5	5	279	65	330	355					210	254	300	121	180	20
—	22	15	11	180L															241	279	330			
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											
	160M	487	14.5	797	42	110	100	12	37	45	M16X36	6309ZZC3	6307ZZC3	rubber sheath cable or M36x2	Ø13~Ø28									
	160M1																							
	160M2																							
	160L			832																				
	180M	542	14.5	855	48	110	100	14	42.5	51.5	M16X36	6311C3	6310C3		or NPT 1.25"	Ø13~ Ø28								
180L	893																							

- 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.

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9640
DWN.	J.P.Cao	18-Jul-16		REV. 00 3/6

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 (IM 2001) FRAME NOS. 200L~ 250M	20 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

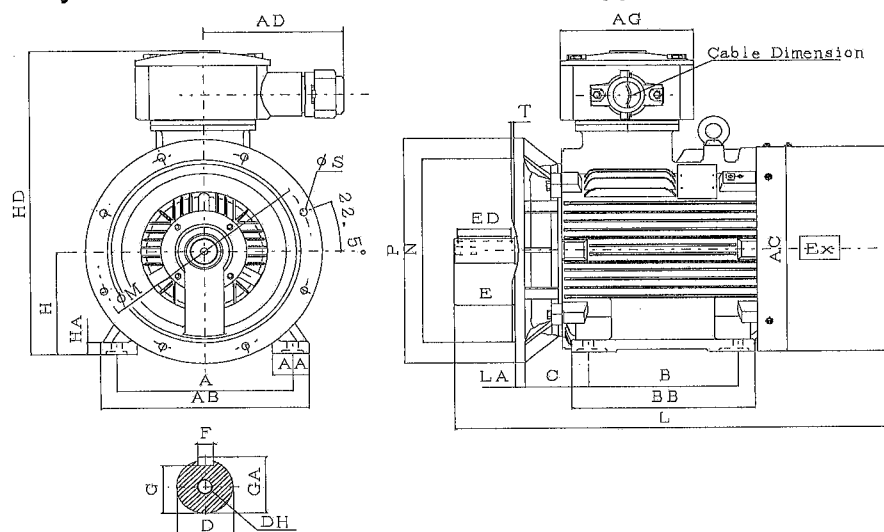
Output (kW)				FRAME	FLANGE DIMENSION						A	AA	AB	AC	AG	AD	B1	B	BB	C	H	HA
2P	4P	6P	8P	SIZE	LA	M	N	P	S	T												
30	30	18.5	15	200L1	17	350	300	400	18.5	5	318	70	378	399	235	270	無	305	365	133	200	24
37		22		200L2																		
—	37	—	18.5	225M1	20	400	350	450			356	75	431	449			286	311	375	149	225	28
45	45	30	22	225M2																		
55	55	37	30	250M	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	955	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	1008	60	140	125	18	53	64	M20X42	6313C3	6213C3										
225M2			(978) 1008	(55) 60	(110) 140	(100) 125	(16) 18	(49) 53	(59) 64	M20X42	(6312C3) 6313C3	(6212C3) 6213C3										
			(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.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9640
DWN.	J.P.Cao	18-Jul-16		REV. 00 4/6

ISSUED 18-Jul-16	OUTLINE DIMENSIONS SHEET FLAMEPROOF MOTORS Ex d B35 (IM 2001) FRAME NOS. 280S ~ 315M	MODEL TEBV
REVISED		PAGE 21 of 39

Totally Enclosed Forced Ventilated 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											
75	75	45	37	—	280S	22	500	450	550	18.5	5	457	110	560	528	310	325.5	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	1220	(65) 75	140	125	(18) 20	(58) 67.5	(69) 79.5	M20X40	(6314C3) 6318C3	(6314C3) 6316C3	rubber sheath cable or M64x2 or NPT 2"	Ø24~Ø40								
280M			1280																			
315S	898	28	(1335) 1365	(65) 80	(140) 170	(125) 160	(18) 22	(58) 71	(69) 85	M20X40	(6316C3) 6320C3	(6314C3) 6316C3	rubber sheath cable or M64x2 or M63x1.5 or NPT 2"	Ø38~Ø58								
315M	913		(1415) 1445																			

- 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.	Sean.W	18-Jul-16	<div style="text-align: center;"> B Wuxi, China </div>	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9640
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 80M ~ 112M	23 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

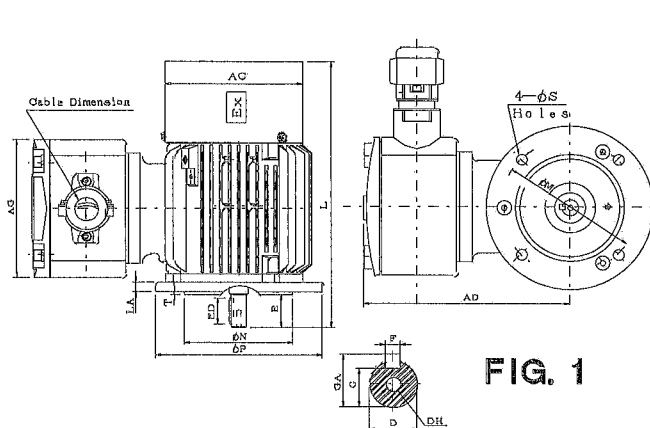


FIG. 1

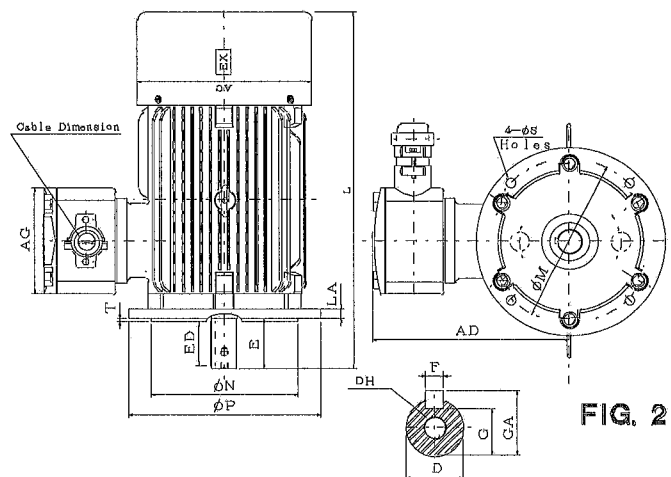


FIG. 2

Dimensions in mm

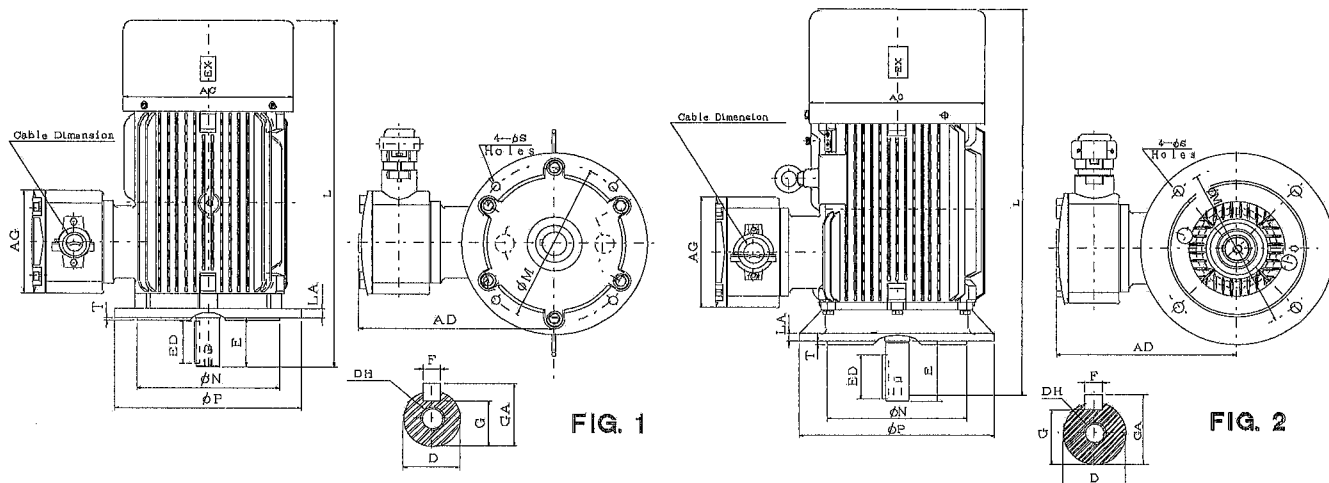
Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P			LA	M	N	P	S	T				
0.75	0.55	0.37	0.18	80M1	1	12	165	130	200	12	3.5	177	246	175	431.5
1.1	0.75	0.55	0.25	80M2								197	260		508
1.5	1.1	0.75	0.37	90L1											
2.2	1.5	1.1	0.55	90L2											
3	2.2	1.5	0.75	100L1		16	215	180	250	14.5	4	219	275		591
	3		1.1	100L2											
4	4	2.2	1.5	112M	2	15						235	288		609
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			50					6306ZZC3	6306ZZC3						

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

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO. 32057R9641 REV. 00	1/5
CHKD.	Andy.H	18-Jul-16			
DWN.	Sandy.Z	18-Jul-16			

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 132S ~ 160L	24 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



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	636									
7.5				132S2												676								
-	7.5	4	3	132M1									2		15		300	250	350	18.5	5	317	313	205
-		5.5		132M2												832								
—	11	7.5	—	160M	2	15	300	250	350	18.5	5	317		327									205	
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																								
160M2											or M36x2													
160L											or NPT 1.25"													

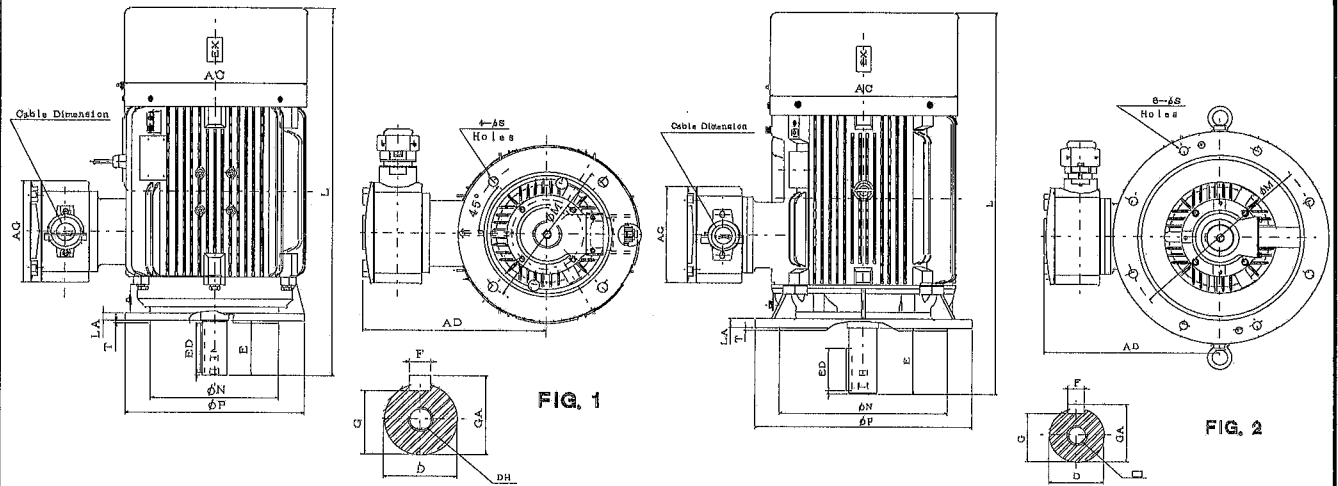
Note : 1. Tolerance of Shaft End Diameter D : F#132S~160L : k6.

2. Tolerance of N : j6 .

APPD.	Sean.W	18-Jul-16	<div style="text-align: center;"> B Wuxi, China </div>	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9641
DWN.	Sandy.Z	18-Jul-16		REV. 00 2/5

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 180M ~ 225M	25 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

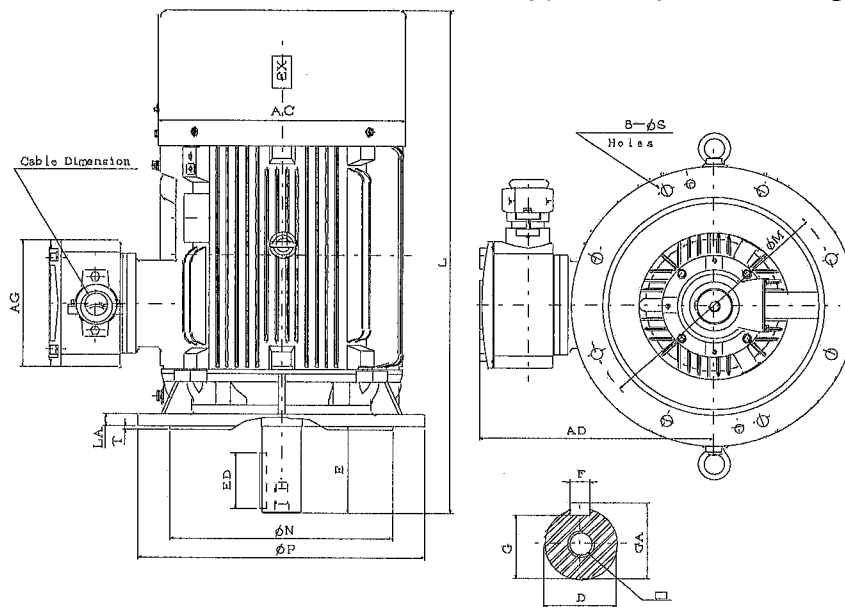
Output (kW)				FRAME	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	L
2P	4P	6P	8P	SIZE		LA	M	N	P	S	T				
22	18.5	—	—	180M	1	15	300	250	350			355	362	205	855
—	22	15	11	180L											893
30	30	18.5	15	200L1	1	17	350	300	400	18.5	5	399	410	235	955
37		22		200L2											
—	37	—	18.5	225M1	2	20	400	350	450			449	427		1008
45	45	30	22	225M2											(978) 1008
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	6213C3						
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.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9641
DWN.	Sandy.Z	18-Jul-16		REV. 00 3/5

ISSUED 18-Jul-16	OUTLINE DIMENSIONS SHEET FLAMEPROOF MOTORS Ex d V1 (IM 3011) FRAME NOS. 250M ~ 315M	MODEL TEBV
REVISED		PAGE 26 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



Dimensions in mm

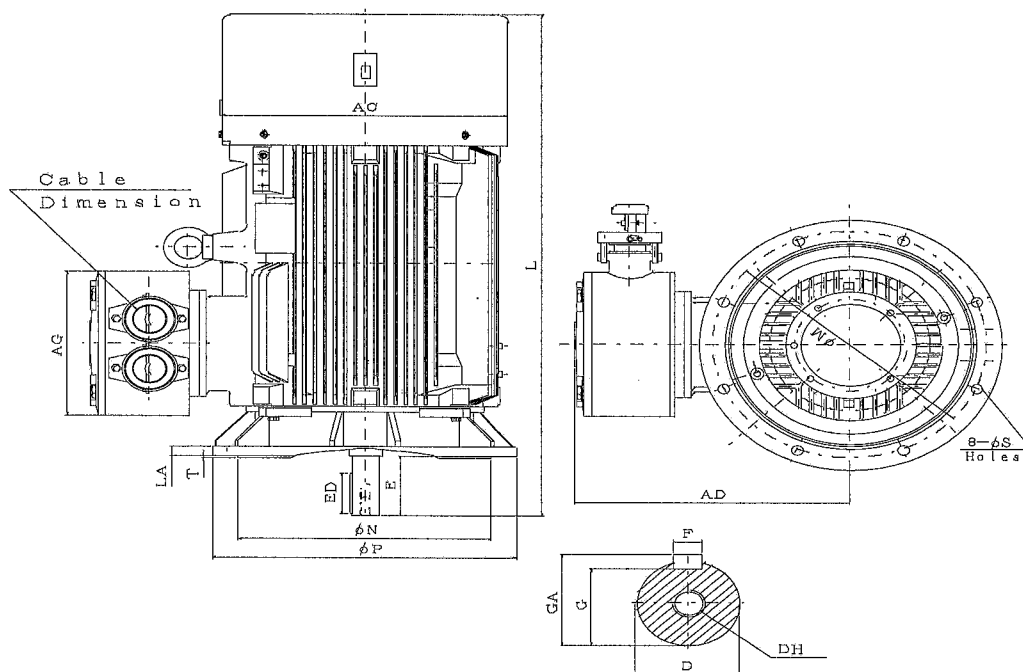
Output (kW)					FRAME	FLANGE DIMENSION						AC	AG	AD	L	SHAFT EXTENSION	
2P	4P	6P	8P	10P	SIZE	LA	M	N	P	S	T					D	E
55	55	37	30	—	250M	22	500	450	550	18.5	5	498	310	490	1125	(60) 65	140
75	75	45	37	—	280S							528		500	1220	(65) 75	
90	90	55	45	—	280M										1280		
110	110	75	55	45	315S	25	600	550	660	24	6	620	380	(561) 583	(1335) 1365	(65) 80	(140) 170
132	132	90	75	55	315M									(576) 598	(1415) 1445		
FRAME SIZE	SHAFT EXTENSION					BEARING		EXPORT WIRE		THE RANGE of the outer DIAMETER of INLET CABLE							
	F	ED	G	GA	DH	DRIVE END	OPPOSITE DRIVE END	SIZE of CABLE GLAND BODY									
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.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO. 32057R9641
CHKD.	Andy.H	18-Jul-16		
DWN.	Sandy.Z	18-Jul-16		

ISSUED	OUTLINE DIMENSIONS SHEET	MODEL
18-Jul-16		TEBV
REVISED	IE2 EFFICIENCY FLAMEPROOF MOTORS Ex d V1 (IM 3011) FRAME NOS. 315L ~ 355L	PAGE
		27 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

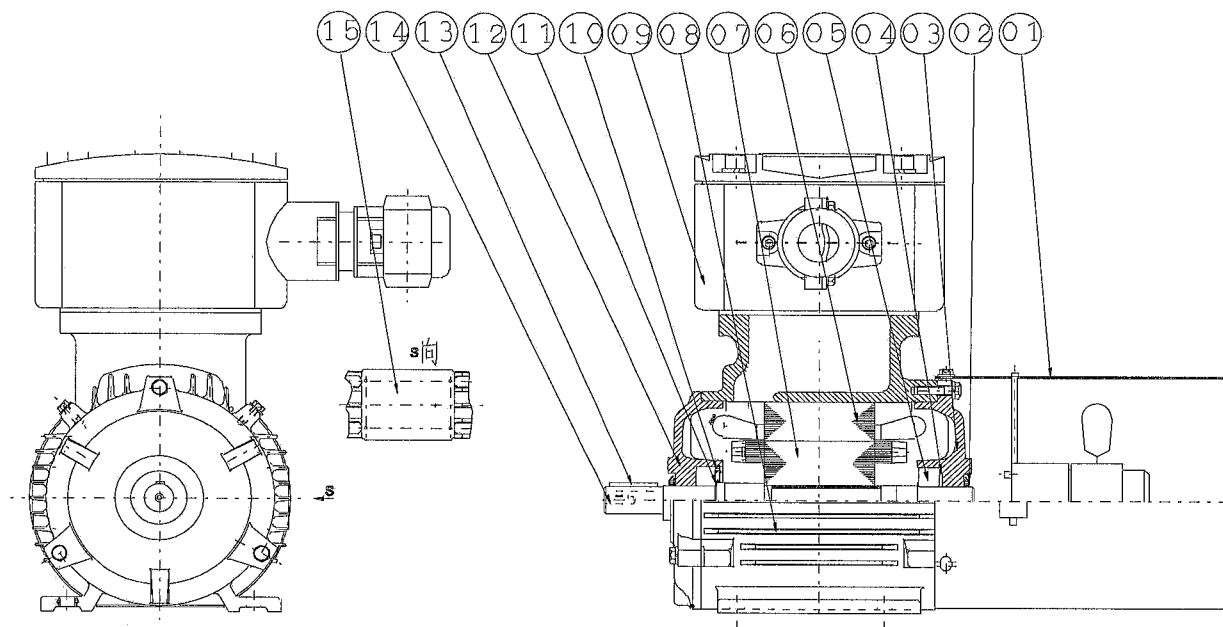


Dimensions in mm

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	(1515) 1545	(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			712	370	670	(1661) 1691	(75) 95		
250	250	200	160	132	355M2							(1711) 1741						
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			Note : 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.	Sean.W	18-Jul-16	<div>B</div> <div>Wuxi, China</div>									DWG NO.						
CHKD.	Andy.H	18-Jul-16									32057R9641							
DWN.	Sandy.Z	18-Jul-16									REV. 00							
											5/5							

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 (IM 1001) FRAME NOS. 80M ~ 112M	28 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

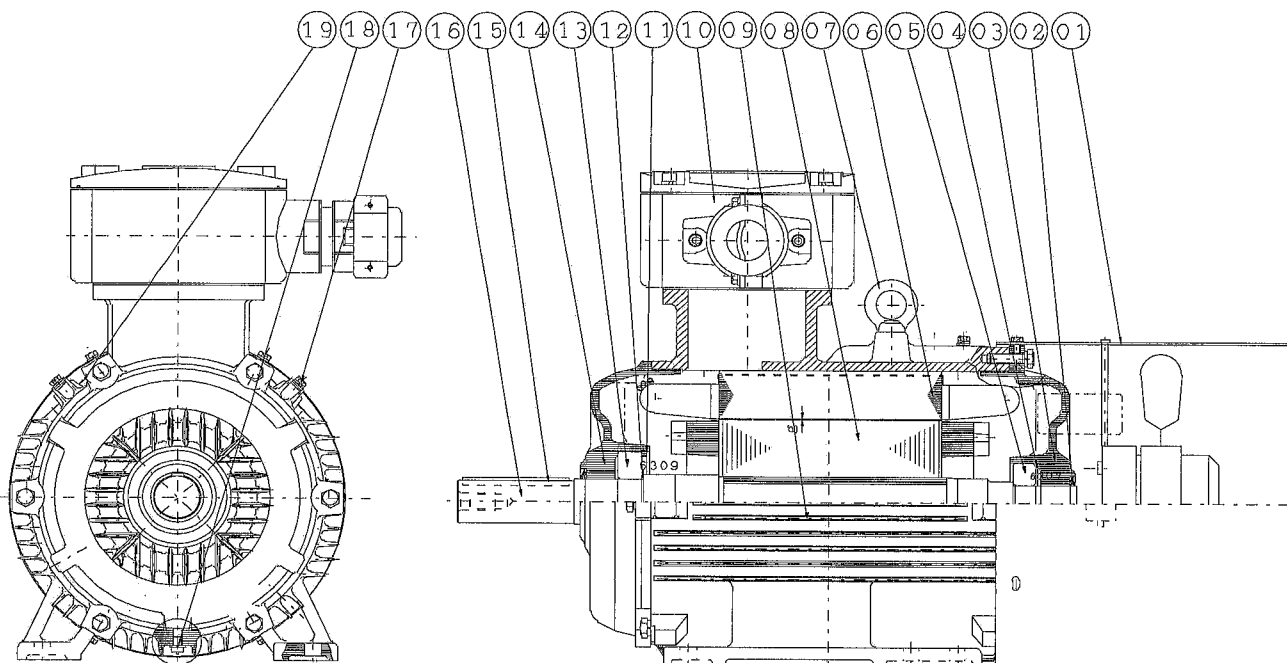


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	11	STOP RING-BEARING
2	OIL SEAL	12	END BRACKET
3	END BRACKET	13	KEY
4	PRE-LOAD SPRING	14	SHAFT
5	BEARING	15	NAME PLATE
6	STATOR		
7	ROTOR		
8	FRAME		
9	TERMINAL BOX ASSY		
10	INSIDE RETAINING RING		

APPD.	Sean.W	18-Jul-16	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9642</div> <div>REV. 00</div>	<div>1/3</div>
CHKD.	Andy.H	18-Jul-16				
DWN.	J.P.Cao	18-Jul-16				

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 (IM 1001) FRAME NOS. 132S~160L	29 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

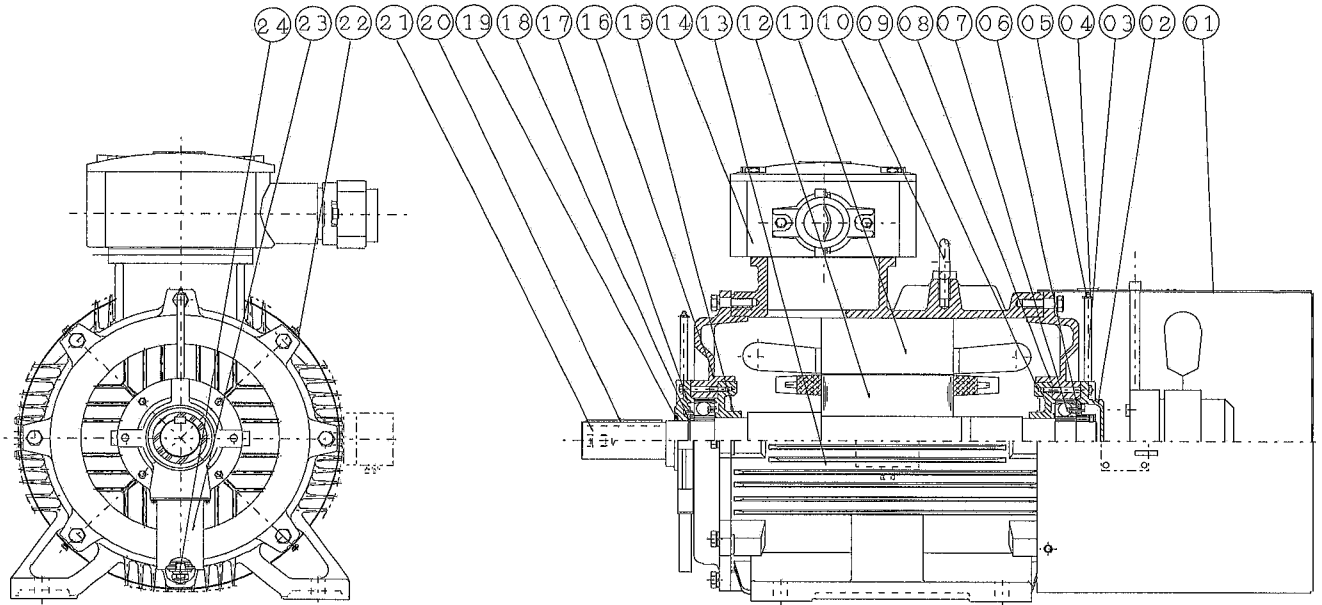


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	14	END BRACKET
2	OIL SEAL	15	KEY
3	END BRACKET	16	SHAFT
4	PRE-LOAD SPRING	17	GROUNDING TERMINALS LABEL
5	BEARING	18	PLUG
6	STATOR	19	NAME PLATE
7	EYE BOLT		
8	ROTOR		
9	FRAME		
10	TERMINAL BOX ASSY		
11	INTSIDE RETAINING RING		
12	STOP RING-BEARING		
13	BEARING		

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9642
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B3 (IM 1001) FRAME NOS. 180M~355L	30 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

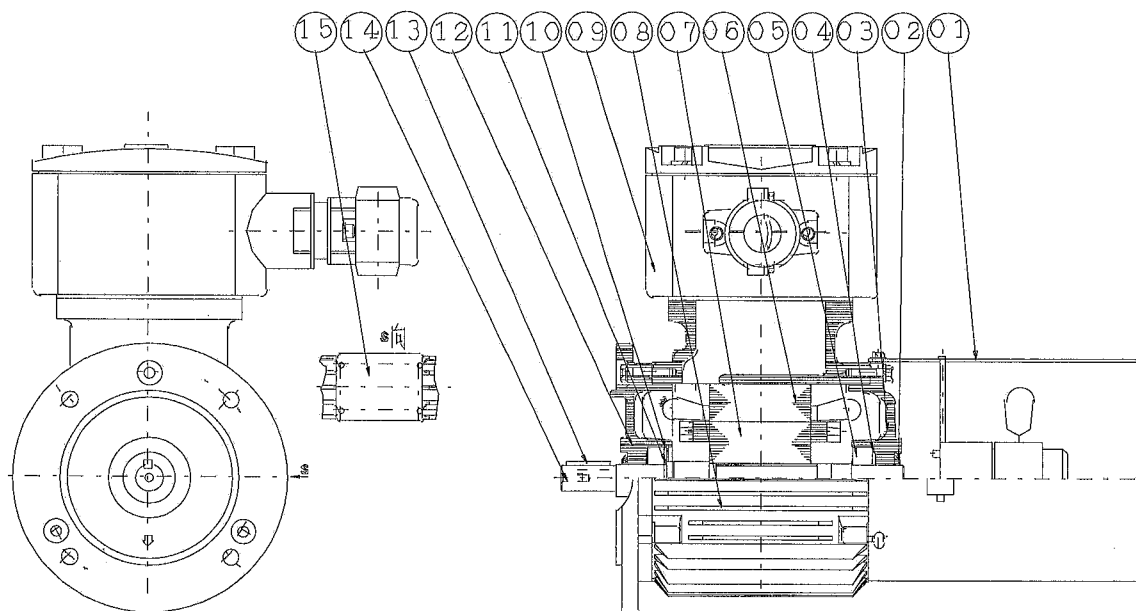


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	16	END BRACKET
2	BEARING COVER - OUTER	17	BEARING COVER - OUTER
3	GREASE PIPE	18	OUTSIDE RETAINING RING
4	GREASE FLINGER	19	OIL SEAL
5	GREASE NIPPLE	20	KEY
6	PRE - LOAD SPRING	21	SHAFT
7	BEARING	22	NAME PLATE
8	END BRACKET	23	OIL DRAIN COVER
9	BEARING COVER - INNER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

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9642
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 80M ~ 112M	31 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

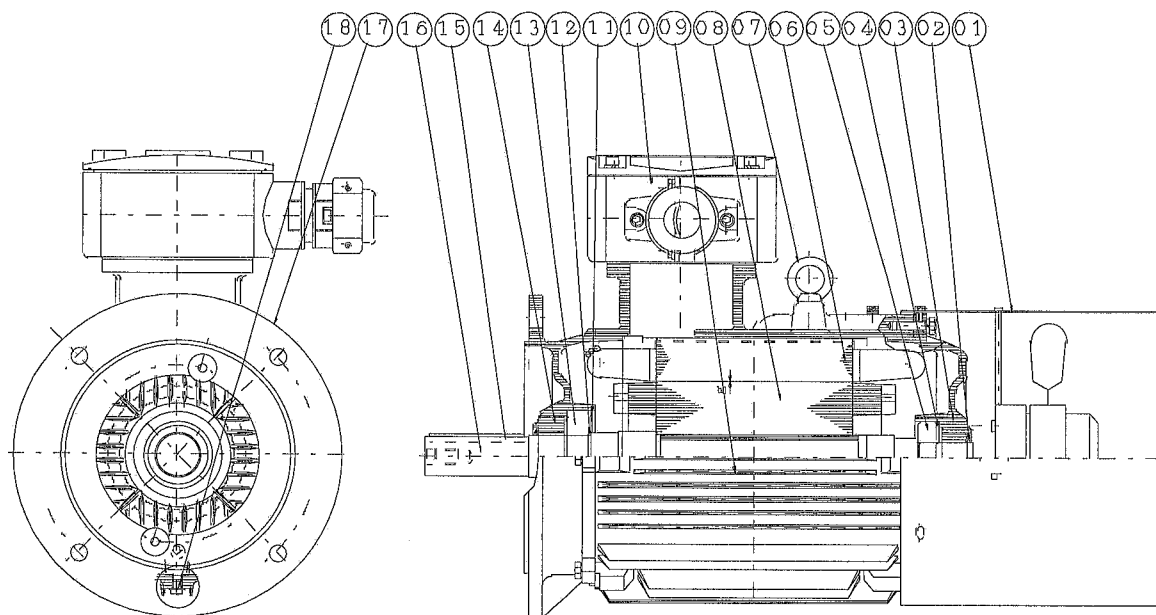


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	11	STOP RING-BEARING
2	OIL SEAL	12	END BRACKET
3	END BRACKET	13	KEY
4	PRE-LOAD SPRING	14	SHAFT
5	BEARING	15	NAME PLATE
6	STATOR		
7	ROTOR		
8	FRAME		
9	TERMINAL BOX ASSY		
10	INSIDE RETAINING RING		

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9643
DWN.	Sandy.Z	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 132S ~ 160L	32 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

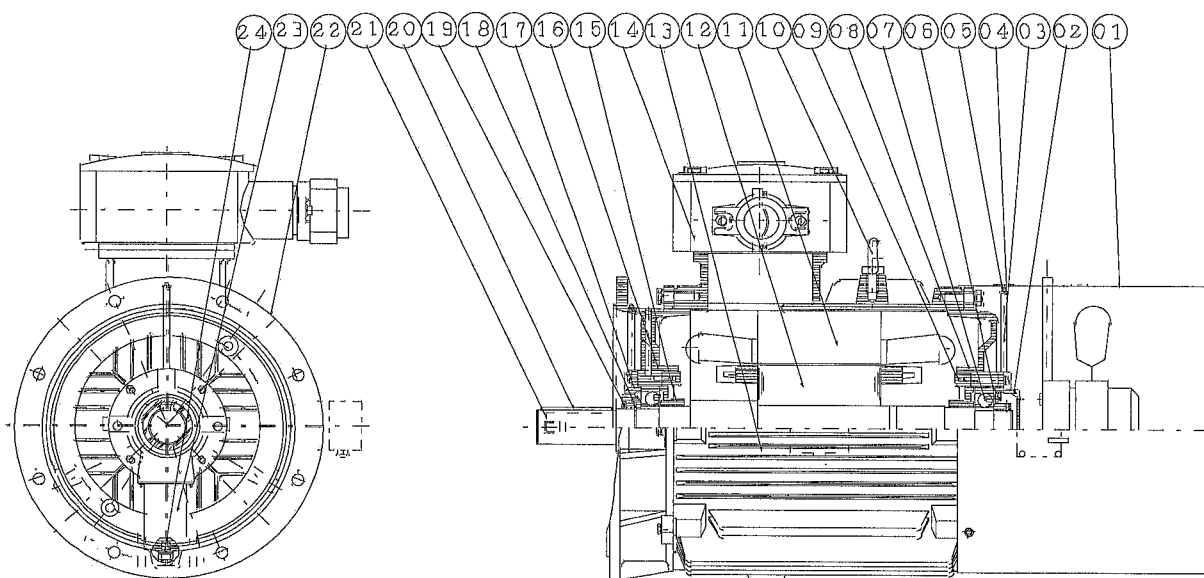


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	14	END BRACKET
2	OIL SEAL	15	KEY
3	END BRACKET	16	SHAFT
4	PRE-LOAD SPRING	17	NAME PLATE
5	BEARING	18	PLUG
6	STATOR		
7	EYE BOLT		
8	ROTOR		
9	FRAME		
10	TERMINAL BOX ASSY		
11	OUTSIDE RETAINING RING		
12	STOP RING-BEARING		
13	BEARING		

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9643
DWN.	Sandy.Z	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B5 (IM 3001) FRAME NOS. 180M~ 280M	33 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

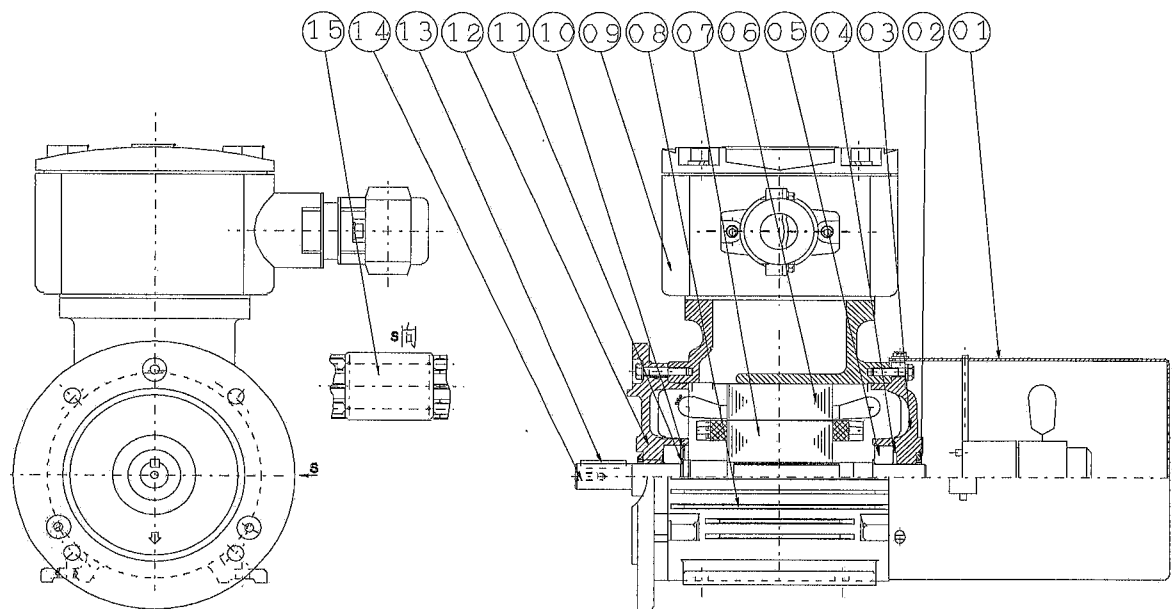


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	16	END BRACKET
2	BEARING COVER - OUTER	17	BEARING COVER - OUTER
3	GREASE PIPE	18	OUTSIDE RETAINING RING
4	GREASE FLINGER	19	OIL SEAL
5	GREASE NIPPLE	20	KEY
6	PRE - LOAD SPRING	21	SHAFT
7	BEARING	22	NAME PLATE
8	END BRACKET	23	OIL DRAIN COVER
9	BOLT	24	PLUG
10	EYE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

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9643
DWN.	Sandy.Z	18-Jul-16		REV. 00

ISSUED	14-Sep-15 18-Jul-16	SCHEMATIC DRAWING	MODEL
REVISED			TEBV
		FLAMEPROOF MOTORS Ex d	PAGE
		B35 (IM 2001) FRAME NOS. 80M~112M	34 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

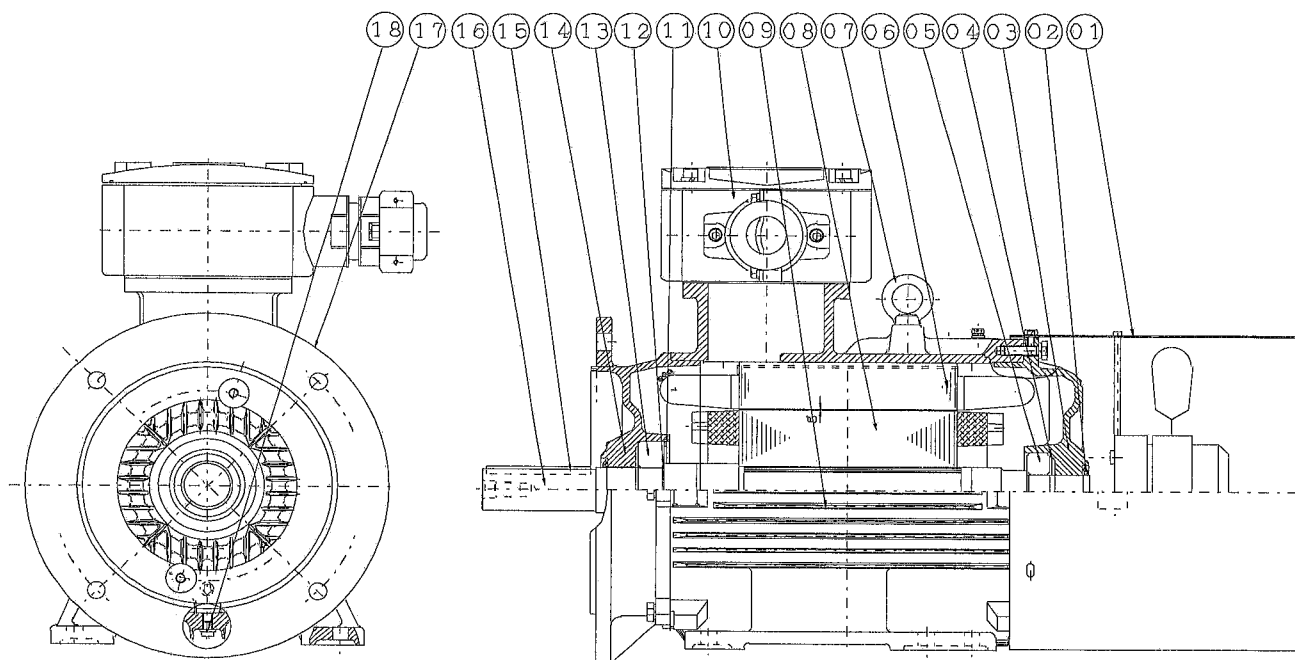


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	11	STOP RING-BEARING
2	OIL SEAL	12	FLANGE BRACKET
3	END BRACKET	13	KEY
4	PRE-LOAD SPRING	14	SHAFT
5	BEARING	15	NAME PLATE
6	STATOR		
7	ROTOR		
8	FRAME		
9	TERMINAL BOX ASSY		
10	INTSIDE RETAINING RING		

APPD.	Sean.W	18-Jul-16	<div>B</div> <div>Wuxi, China</div>	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9644
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 (IM 2001) FRAME NOS. 132S ~ 160L	35 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

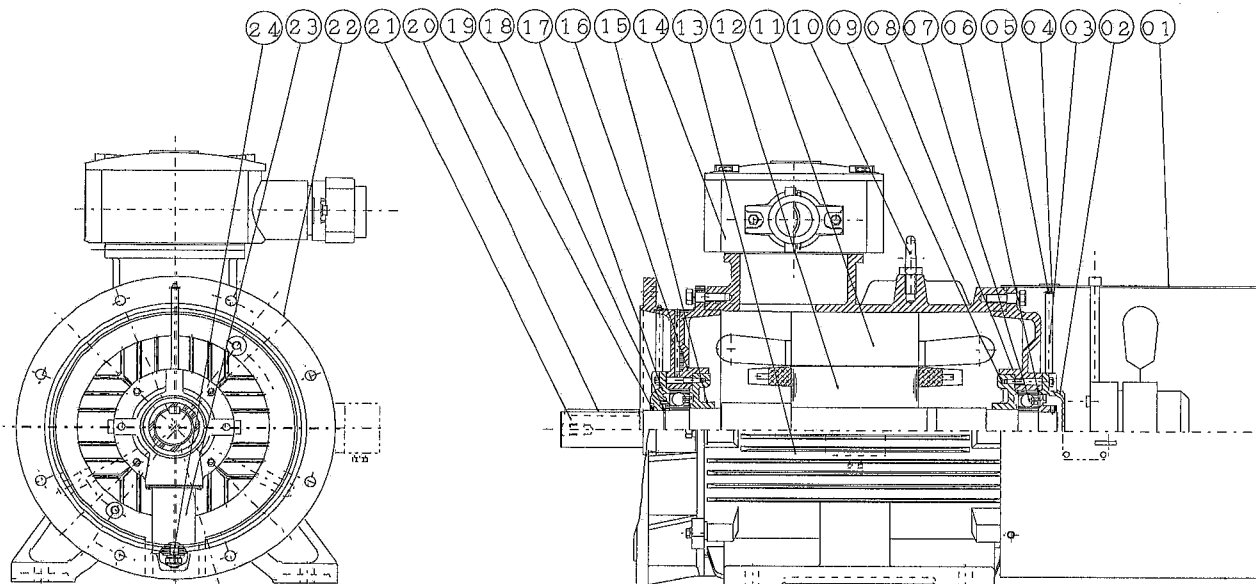


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	14	FLANGE BRACKET
2	OIL SEAL	15	KEY
3	END BRACKET	16	SHAFT
4	PRE-LOAD SPRING	17	PLUG
5	BEARING	18	GROUNDING TERMINALS LABEL
6	STATOR		
7	EYE BOLT		
8	ROTOR		
9	FRAME		
10	TERMINAL BOX ASSY		
11	INTSIDE RETAINING RING		
12	STOP RING-BEARING		
13	BEARING		

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9644
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	B35 (IM 2001) FRAME NOS. 180M ~ 355L	36 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

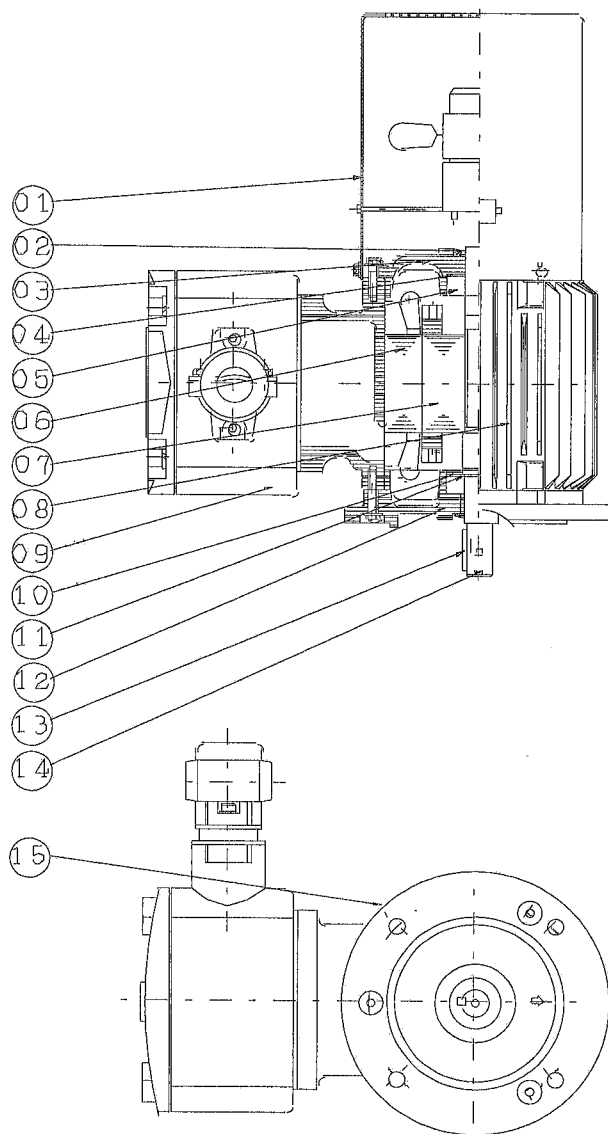


ITEM	NAME	ITEM	NAME
1	EXTERNAL FAN ASSY	16	FLANGE BRACKET
2	BEARING COVER - OUTER	17	BEARING COVER - OUTER
3	GREASE PIPE	18	OUTSIDE RETAINING RING
4	GREASE FLINGER	19	OIL SEAL
5	GREASE NIPPLE	20	KEY
6	PRE - LOAD SPRING	21	KEY
7	BEARING	22	NAME PLATE
8	END BRACKET	23	OIL DRAIN COVER
9	BEARING COVER -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

APPD.	Sean.W	18-Jul-16	B Wuxi, China	DWG NO.
CHKD.	Andy.H	18-Jul-16		32057R9644
DWN.	J.P.Cao	18-Jul-16		REV. 00

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 80M ~ 112M	37 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

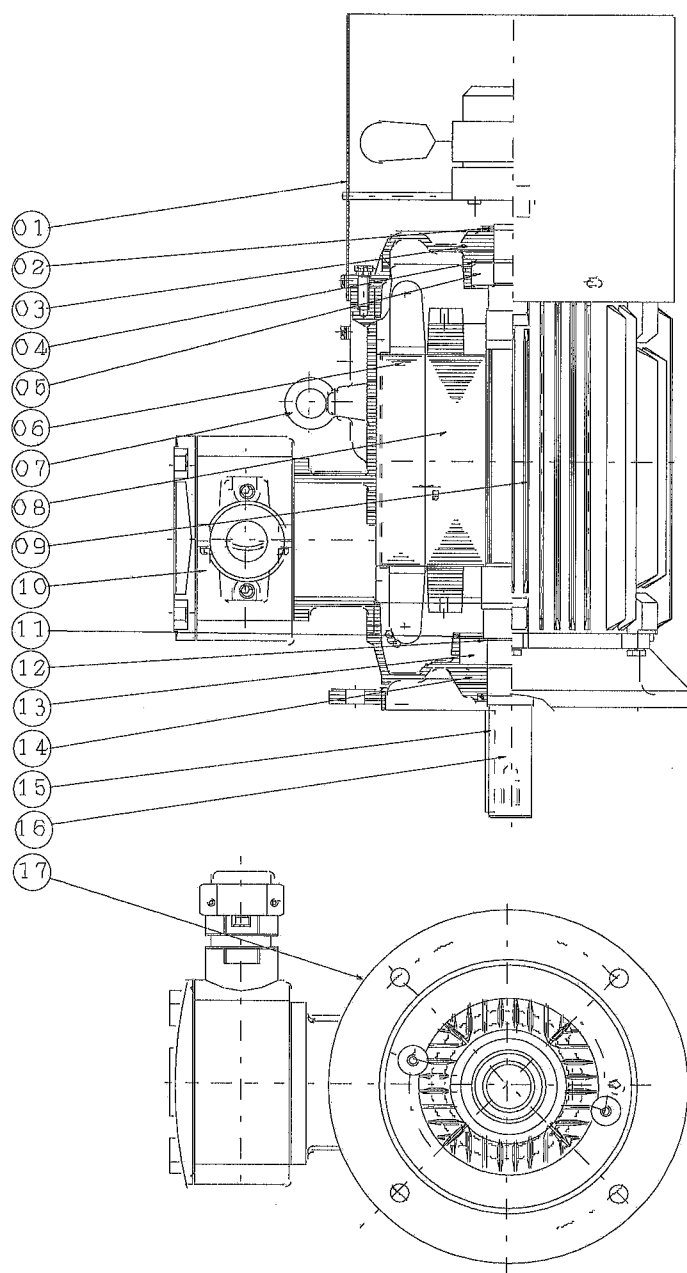


ITEM	NAME
1	EXTERNAL FAN ASSY
2	OIL SEAL
3	END BRACKET
4	PRE-LOAD SPRING
5	BEARING
6	STATOR
7	ROTOR
8	FRAME
9	TERMINAL BOX ASSY
10	INSIDE RETAINING RING
11	STOP RING-BEARING
12	END BRACKET
13	KEY
14	SHAFT
15	NAME PLATE

APPD.	Sean.W	18-Jul-16	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9645</div> <div>REV. 00</div> <div>1/3</div>
CHKD.	Andy.H	18-Jul-16			
DWN.	Sandy.Z	18-Jul-16			

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 132S ~ 160L	38 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.

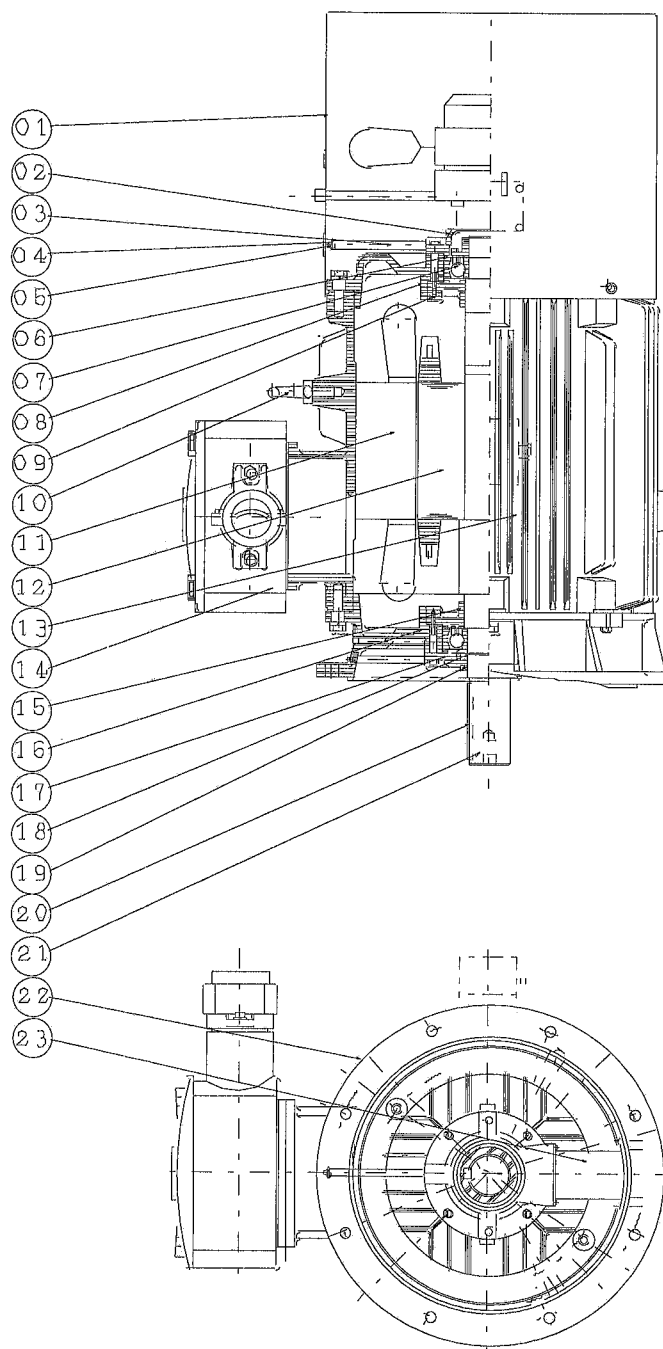


ITEM	NAME
1	EXTERNAL FAN ASSY
2	OIL SEAL
3	END BRACKET
4	PRE-LOAD SPRING
5	BEARING
6	STATOR
7	EYE BOLT
8	ROTOR
9	FRAME
10	TERMINAL BOX ASSY
11	OUTSIDE RETAINING RING
12	STOP RING-BEARING
13	BEARING
14	END BRACKET
15	KEY
16	SHAFT
17	NAME PLATE

APPD.	Sean.W	18-Jul-16	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9645</div> <div>REV. 00</div> <div>2/3</div>
CHKD.	Andy.H	18-Jul-16			
DWN.	Sandy.Z	18-Jul-16			

ISSUED	SCHEMATIC DRAWING	MODEL
18-Jul-16		TEBV
REVISED	FLAMEPROOF MOTORS Ex d	PAGE
	V1 (IM 3011) FRAME NOS. 180M ~ 355L	39 of 39

Totally Enclosed Forced Ventilated Type, Squirrel - Cage Rotor.



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

APPD.	Sean.W	18-Jul-16	<div>B</div> <div>Wuxi, China</div>	DWG NO.	<div>32057R9645</div>
CHKD.	Andy.H	18-Jul-16		REV. 00	
DWN.	Sandy.Z	18-Jul-16		3/3	