

TEV4(AEEV4N/AEUUV4N)PN修订纪录 (32057R9551)

版号	日期	页次	内 容	依 据	備 註
00	2018/1/10	54	TEV1(AEEVJ1/AEUUVJ1)PN	TEV1	
01	2021/2/5	82	修改type為AEEV4N/AEUUV4N 增加C-Line部份(280~355C)	TEV1(AEEVJ1/AEUUVJ1)	
02	2021/5/10	82	1、修改model為TEV4 2、eff修改為GB18613-2020 GB2 (因IEC6034-301, TE4)	TEV4	

第二原稿設變時
須由原單位處理

核定			審核	 2021/5/12			提案	黃晶晶
發行單位	金一品保	金二品管	品保中心	青島東元	上海東元	中壢設計課	編號：32057R9551	
份數	X1	X2	X1	X1	X1	X1	版号：REV.02	
	台灣直營						51P0-II-R-CB-002-04 Rev.00	
	X1							

PRODUCT NOTE CHANGE NOTICE

DWG .NO. 32057R9551

TECO'S MODEL : TEV4

<u>Revision Date</u>	<u>VOL.</u>	<u>Revised or New Material</u>
5-Feb-21	01	Revised Pages: 1~82
10-May-21	02	Revised Pages: 1~6

RDC	1
WXDC	1
HTEM	1
TSH	1
WXSM	1

APPD.	Sean	2021/5/14	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.	32057R9551	Rev. 02	1/2
CHKD.	WJ	2021/5/12					
DWN.	HJJ	10-May-21					



EFFECTIVE : 10-Jan-18

REVISED : 10-May-21

PRODUCT NOTE

MODEL : TEV4

TYPE : AEEV4N/AEUV4N

IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS
LOW VOLTAGE SQUIRREL CAGE TEFC
FRAME NOS. : 80M ~ 355L

TABLE OF CONTENTS

DWG NO.	NAME	PAGES	DATE
32057R9552	SPECIFICATION TABLE	3	5-Feb-21
32057R9553	PERFORMANCE DATA (50Hz/380V)	3	5-Feb-21
32057R9554	OUTLINE DIMENSIONS SHEET (80M~355L) (IM B3)	9	5-Feb-21
32057R9574	OUTLINE DIMENSIONS SHEET (80M~315M) (IM B5)	7	5-Feb-21
32057R9575	OUTLINE DIMENSIONS SHEET (80M~355L) (IM B35)	10	5-Feb-21
32057R9576	OUTLINE DIMENSIONS SHEET (80M~355L) (IM V1)	10	5-Feb-21
32057R9555	SCHEMATIC DRAWING (80M~355L) (IM B3)	11	5-Feb-21
32057R9577	SCHEMATIC DRAWING (80M~315M) (IM B5)	9	5-Feb-21
32057R9578	SCHEMATIC DRAWING (80M~355L) (IM B35)	10	5-Feb-21
32057R9579	SCHEMATIC DRAWING (80M~355L) (IM V1)	10	5-Feb-21

RDC	1				
WXDC	1				
HTEM	1				
TSH	1				
WXSM	1				

APPD.	Sean	10-May-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Wu	10-May-21		32057R9551
DWN.	HJJ	10-May-21		Rev. 02

ISSUED 5-Feb-21			SPECIFICATION TABLE 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE			TYPE AEEV4N/AEUV4N	
REVISED						PAGE 1 of 82	
ITEM			STANDARD SPECIFICATION				
R A T I O N	Kind of Motors		Squirrel - Cage Induction Motors (SCIM) .				
	Design Standards		IEC , GB				
	Voltages		380V .				
	Frequency		50Hz .				
	Output Range		0.75kW ~ 315 kW .				
	R.P.M. (Syn.)		3000 ~ 1000 R.P.M. (2 ~ 6 Poles) .				
	Time Duty		Continuous. S1 , S.F. : 1.0 .				
	Frame Nos.		80M ~ 355L .				
	Protection Enclosure		Totally Enclosed (IP 55) .				
	Cooling Method		Self External Fan, Surface Cooling (IC 411) .				
Mounting		AEEV4N : Horizontal Foot Mounted B3 (IM 1001) . AEUV4N : Horizontal Flange Mounted B5 (IM 3001) . AEEV4N : Horizontal Foot And Flange Mounted B35 (IM 2001) . AEUV4N : Vertical Flange Mounted, Shaft Down V1 (IM 3011) .					
A P P L I C A T I O N	Environment Conditions		Place : Shadow, Non-Hazardous. Ambient Temperature : -15 ~ 40℃ . Relative Humidity : Less Than 90%RH (Non-Condensation) . Altitude : Less Than 1,000 Meters .				
	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 and Up , 4 、 6 Pole F# 280 and Above Coupling Service is the Way .				
	Direction of Rotation		CW According to IEC 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	32057R9554		
			IM B5	80M ~315M	32057R9574		
			IM B35	80M ~ 355L	32057R9575		
			IM V1	80M ~ 355L	32057R9576		
	Frame		High Grade Cast Iron .				
	End Bracket		High Grade Cast Iron .				
	Flange		High Grade Cast Iron .				
	External Fan		Polypropylene .				
	Fan Cover		Pressed Steel .				
APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China			DWG NO. 32057R9552	
CHKD.	Job	5-Feb-21				Rev. 01	
DWN.	S.ZHU	5-Feb-21				1/3	

ISSUED			SPECIFICATION TABLE			TYPE		
5-Feb-21						AEEV4N/AEUV4N		
REVISED			3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE			PAGE		
						2 of 82		
ITEM				STANDARD SPECIFICATION				
C O N S T R U C T I O N	Shaft			Carbon Steel, Cylindrical Single Extension with Keyway and Key .				
	Bearing			Vacuum De - Gassed High Quality Open Bearings for Frame Nos. 250M ~355L,Grease Pre - Packed Shielded Rolling Bearings for the Others .				
	Lubrication			Mineral Oil , Li - Base Grease , ESSO Polyrex EM Grease for F#250 and Above .				
	Lead Terminal			6 Leads, with Solderless Lug Terminals .				
	Shaft Flinger			Bracket : V Seal Flange : Oil Seal F#225 and Above : Oil Seal on Both End.				
	Terminal Box			Pressed Steel, with Terminal Board, Can be Rotated Each 90° with Conduit Hole for Cable Entrance . The Terminal Box is Usually Placed on The Top of The Frame and The Cables Could be Connected from Four Possible Directions.				
	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 Wafer Blades Integrally Cast .				
	Painting			Phenolic Rust Proof Base Plus Lacquer Surface Finished Painting in Light - Gray Color (NO.700 MUNSELL N5) .				
	Bolt Thread			ISO Metric System .				
	Name Plate			Stainless Steel Plate .				
	Grounding Terminal			Two Terminals . One inside The Terminal Box, Another One on The outside of Frame .				
P E R F O R M A N C E	Test Procedure			GB/T 1032 Method B, IEC 60034-2-1 :2014 And Full Voltage Measuring Starting Performance .				
	Typical Performance			As DWG NO. 32057R9553 .				
	Winding Temperature Rise			Not to Exceed 80 °C Rise by Resistance Method at S.F 1.0 (50Hz)				
APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China			DWG NO.		
CHKD.	Job	5-Feb-21				32057R9552		
DWN.	S.ZHU	5-Feb-21				Rev. 01 2/3		

ISSUED		SPECIFICATION TABLE				TYPE	
5-Feb-21						AEEV4N/AEUV4N	
REVISED		3-PHASE INDUCTION MOTORS				PAGE	
		LOW VOLTAGE SQUIRREL CAGE				3 of 82	
ITEM		STANDARD SPECIFICATION					
P E R F O R M A N C E	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 ≤ 250	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	
APPD.		B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd.		DWG NO.	
CHKD.		Job	5-Feb-21			32057R9552	
DWN.		S.ZHU	5-Feb-21			Rev. 01 3/3	
				Wuxi, China			

ISSUED 23-Nov-17	PERFORMANCE DATA GB2/IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE	TYPE AEEV4N/AEUV4N
REVISED 10-May-21		PAGE 4 of 82

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC ; GB DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380V 50HZ

GB2/IE4

(2 Pole)

TYPICAL PERFORMANCE

(380 V)

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
				FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
kW	hp	rpm		(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT	kg-m ²	dB(A)	kg
0.75	1	2880	80M	83.5	84.0	83.2	81.5	75.0	65.0	1.67	845	0.253	345	310	360	0.007	78	18.0
1.1	1.5	2880	80M	85.2	86.0	84.7	81.5	76.5	65.5	2.41	900	0.372	360	325	380	0.010	78	22.5
1.5	2	2885	90S	86.5	87.4	87.0	86.0	81.0	69.8	3.06	950	0.506	310	280	360	0.014	78	28.5
2.2	3	2885	90L	88.0	88.2	87.8	86.0	80.5	69.3	4.42	950	0.742	365	330	375	0.016	78	30.5
3	4	2885	100L	89.1	88.8	85.0	87.0	82.0	72.0	5.88	990	1.012	360	325	365	0.028	82	43.5
4	5.5	2895	112M	90.0	90.2	90.1	89.0	87.0	80.5	7.59	990	1.344	360	330	390	0.056	83	56.0
5.5	7.5	2925	132S	90.9	91.3	90.8	86.0	81.5	71.5	10.7	990	1.830	275	215	365	0.079	85	77.5
7.5	10	2925	132S	91.7	91.2	90.8	86.0	85.5	81.0	14.4	905	2.495	260	225	340	0.085	85	80.5
11	15	2950	160M	92.6	92.6	91.6	89.0	86.0	79.5	20.3	950	3.628	240	195	330	0.192	87	123
15	20	2950	160M	93.3	92.9	92.9	89.0	86.0	79.0	27.4	980	4.947	265	215	355	0.218	87	130
18.5	25	2950	160L	93.7	93.4	92.9	88.0	84.5	76.5	34.1	930	6.102	270	215	350	0.250	87	140
22	30	2950	180M	94.0	93.1	92.6	90.0	87.5	80.0	39.5	950	7.256	290	230	350	0.330	88	194
30	40	2960	200L	94.5	94.5	94.0	93.0	92.5	91.0	51.9	780	9.861	155	135	265	1.074	90	306
37	50	2965	200L	94.8	95.0	94.5	93.0	92.5	89.5	63.8	880	12.14	180	155	295	1.187	90	318
45	60	2965	225M	95.0	94.9	94.4	92.0	91.5	88.5	78.2	745	14.77	140	125	270	1.345	92	404
55	75	2970	250M	95.3	94.9	93.9	90.0	88.5	84.0	97.4	890	18.02	155	140	330	2.111	92	561
75	100	2975	280S	95.6	95.3	94.3	90.0	88.0	82.0	132	820	24.57	140	120	280	3.600	94	750
90	125	2975	280M	95.8	95.6	94.9	90.0	88.0	82.0	159	820	29.48	140	120	280	4.000	94	810
110	150	2975	315S	96.0	95.7	94.7	90.0	88.0	82.0	193	820	36.03	140	120	280	5.200	98	930
132	175	2975	315M	96.2	96.0	95.1	90.5	89.5	85.0	230	820	43.24	140	120	280	6.000	98	1030
160	215	2975	315L	96.3	96.1	95.3	90.5	89.5	86.0	279	800	52.41	140	120	250	7.600	98	1260
200	270	2975	315L	96.5	96.4	95.8	90.5	89.5	87.0	348	800	65.51	140	120	250	8.400	98	1380
250	335	2975	355M	96.5	96.4	95.8	90.0	89.0	85.0	437	800	81.89	130	115	230	13.60	100	1900
315	420	2975	355L	96.5	96.4	95.8	90.0	89.0	85.5	551	800	103.2	130	115	230	15.60	100	2200

- NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2014.
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. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
6. Data subject to change without notice.

APPD.	WJ	5.12	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.				32057R9553
DWN.	HJJ	10-May-21		Rev. 02 1/3

ISSUED 23-Nov-17	PERFORMANCE DATA GB2/IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE	TYPE AEEV4N/AEUV4N
REVISED 10-May-21		PAGE 5 of 82

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC ; GB DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380V 50HZ

GB2/IE4

(4 Pole)

TYPICAL PERFORMANCE

(380 V)

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
		rpm		(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT	kg-m ²	dB(A)	kg
0.75	1	1435	80M	85.7	86.2	85.3	73.5	65.5	52.0	1.81	755	0.509	380	345	395	0.017	66	22.0
1.1	1.5	1445	90S	87.2	87.7	86.7	77.0	69.0	55.0	2.49	870	0.741	330	245	355	0.021	66	27.5
1.5	2	1445	90L	88.2	88.8	88.1	80.5	73.0	61.0	3.21	885	1.010	330	245	340	0.029	66	32.0
2.2	3	1460	100L	89.5	90.0	89.6	80.5	75.0	64.5	4.64	935	1.466	325	200	385	0.076	70	52.0
3	4	1465	100L	90.4	90.2	89.1	80.5	73.5	61.0	6.26	945	1.992	330	310	350	0.089	70	56.5
4	5.5	1465	112M	91.1	91.4	90.6	81.5	71.5	72.0	8.19	965	2.657	355	280	380	0.117	72	65.0
5.5	7.5	1465	132S	91.9	91.9	91.0	83.0	77.0	66.0	11.0	985	3.653	390	300	395	0.192	75	92.5
7.5	10	1465	132M	92.6	92.6	92.4	83.5	78.5	67.5	14.7	925	4.981	350	255	350	0.222	75	101
11	15	1470	160M	93.3	92.7	92.7	84.0	80.0	70.0	21.3	860	7.281	265	215	295	0.407	77	141
15	20	1470	160L	93.9	93.9	93.4	85.0	82.0	73.5	28.6	780	9.929	235	190	260	0.506	77	157
18.5	25	1480	180M	94.2	93.9	93.4	85.0	82.0	74.0	35.1	840	12.16	240	205	290	0.928	80	221
22	30	1480	180L	94.5	93.8	92.8	85.0	82.0	74.0	41.6	875	14.46	265	220	305	1.005	80	232
30	40	1480	200L	94.9	94.4	93.9	85.0	81.0	73.0	56.5	780	19.72	220	185	275	1.649	83	310
37	50	1480	225S	95.2	94.9	94.4	88.0	85.0	77.5	67.1	795	24.33	210	185	265	3.186	84	408
45	60	1480	225M	95.4	94.8	94.3	88.0	85.0	78.0	81.4	780	29.58	210	185	260	3.760	84	449
55	75	1480	250M	95.7	95.9	95.4	87.0	84.0	76.0	100	885	36.16	185	170	320	5.393	85	603
75	100	1488	280S	96.0	95.8	95.0	87.5	84.0	75.0	136	800	49.12	160	140	260	8.000	88	850
90	125	1488	280M	96.1	95.8	95.0	87.5	84.0	75.0	163	800	58.94	160	140	260	9.200	88	960
110	150	1488	315S	96.3	96.1	95.3	88.0	85.0	77.0	197	740	72.04	180	160	260	17.60	94	1150
132	175	1488	315M	96.4	96.2	95.5	88.0	85.0	77.0	236	740	86.45	180	160	260	19.60	94	1210
160	215	1488	315L	96.6	96.4	95.7	88.0	85.0	77.0	286	760	104.8	200	180	260	22.80	94	1470
200	270	1488	315L	96.7	96.6	96.0	88.0	84.5	76.5	357	760	131.0	200	180	260	25.20	94	1585
250	335	1488	355M	96.7	96.6	96.0	90.0	88.5	83.5	436	780	163.7	150	130	260	35.60	95	2220
315	420	1488	355L	96.7	96.6	96.2	90.0	88.5	84.0	550	780	206.3	150	130	260	39.60	95	2500

- NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2014.
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. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
6. Data subject to change without notice.

APPD.	Wu	10-May-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.				32057R9553
DWN.	HJJ	10-May-21		Rev. 02

ISSUED 23-Nov-17	PERFORMANCE DATA GB2/IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE	TYPE AEEV4N/AEUV4N
REVISED 10-May-21		PAGE 6 of 82

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC ; GB DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380V 50HZ

GB2/IE4

(6 Pole)

TYPICAL PERFORMANCE

(380 V)

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
		rpm		(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT	kg-m ²	dB(A)	kg
0.75	1	950	90S	82.7	82.4	81.0	68.0	58.0	45.0	2.03	625	0.768	250	215	300	0.027	63	30.0
1.1	1.5	955	90L	84.5	84.5	83.0	69.5	60.5	47.5	2.85	630	1.121	260	250	335	0.037	63	36.0
1.5	2	960	100L	85.9	86.2	85.2	70.0	62.5	50.0	3.79	685	1.520	240	185	295	0.065	64	47.0
2.2	3	970	112M	87.4	87.3	85.8	66.0	58.5	46.0	5.79	705	2.207	260	220	330	0.093	70	56.5
3	4	970	132S	88.6	88.8	87.7	75.5	67.0	54.0	6.81	755	3.009	230	190	330	0.154	73	75.0
4	5.5	970	132M	89.5	90.2	89.8	77.0	71.0	72.0	8.82	695	4.012	190	180	280	0.206	73	86.0
5.5	7.5	970	132M	90.5	89.6	88.4	74.0	66.0	53.0	12.5	790	5.517	270	255	355	0.223	73	90.5
7.5	10	975	160M	91.3	91.5	91.0	77.0	71.0	58.5	16.2	780	7.485	285	250	285	0.503	73	134
11	15	970	160L	92.3	92.0	92.0	80.0	74.5	63.5	22.6	800	11.03	300	260	290	0.700	73	160
15	20	980	180L	92.9	93.0	93.5	84.0	80.0	71.0	29.2	800	14.89	275	230	290	1.782	77	240
18.5	25	980	200L	93.4	94.0	93.0	86.5	84.0	74.0	34.8	645	18.37	200	165	230	2.791	80	331
22	30	980	200L	93.7	93.8	92.8	85.5	82.0	74.0	41.7	695	21.84	220	180	245	3.023	80	343
30	40	980	225M	94.2	94.4	94.4	85.0	82.5	75.0	56.9	725	29.79	225	190	245	4.559	80	440
37	50	985	250M	94.5	94.9	94.9	85.0	81.5	73.0	70.0	740	36.55	175	165	275	6.011	82	572
45	60	988	280S	94.8	94.8	94.2	85.0	82.0	74.0	84.9	720	44.38	180	160	250	10.80	85	786
55	75	988	280M	95.1	95.1	94.8	85.5	82.0	74.0	103	720	54.25	180	160	250	12.80	85	895
75	100	990	315S	95.4	95.3	94.5	85.5	82.0	74.0	140	720	73.82	200	180	260	23.20	89	1075
90	125	990	315M	95.6	95.5	94.8	85.5	82.0	74.0	167	720	88.59	200	180	260	26.00	89	1200
110	150	990	315L	95.8	95.8	95.3	85.5	82.5	74.0	204	720	108.3	140	120	240	30.40	89	1410
132	175	990	315L	96.0	96.0	95.3	85.5	82.5	75.0	244	720	129.9	140	120	240	34.40	89	1575
160	215	990	355M	96.2	96.0	95.3	85.0	81.5	72.5	297	720	157.5	140	120	250	36.40	94	1800
200	270	990	355M	96.3	96.2	95.6	85.0	81.5	72.5	371	720	196.9	140	120	250	44.00	94	2000
250	335	990	355L	96.5	96.4	95.8	85.5	82.0	73.0	460	750	246.1	160	140	250	53.20	94	2300

- NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2014.
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. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
6. Data subject to change without notice.

APPD.	Wu	10-May-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.				32057R9553
DWN.	HJJ	10-May-21		Rev. 02 3/3

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B3 (IM 1001) FRAME NOS. 80M ~ 112M	TYPE
5-Feb-21		AEEV4N
REVISED		PAGE
		7 of 82

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

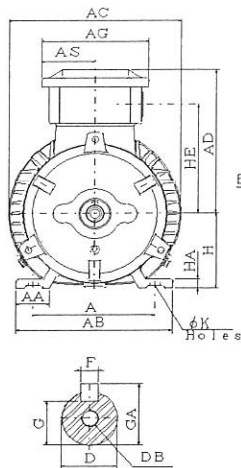


FIG. 1

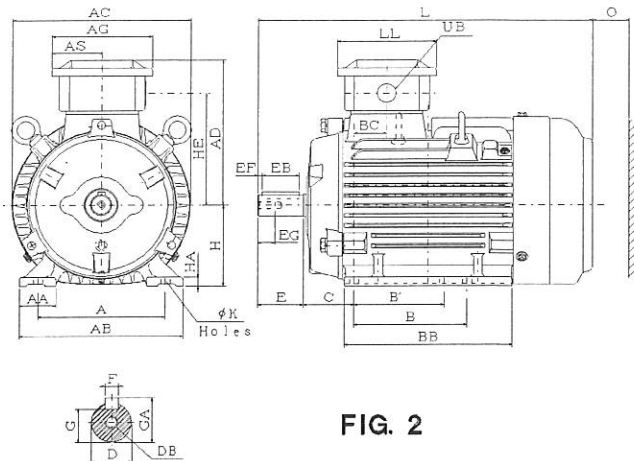


FIG. 2

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BB	BC	C	H	HA	HE
2P	4P	6P	8P																	
0.75	---	---	---	80M	1	125	34.5	161	177	152	110	55	100	---	163	18.5	50	80	10	115
1.1	0.75	---	---																	
1.5	1.1	0.75	---	90S	2	140	40	180	197	162	110	55	100	---	226	36	56	90	10	125
2.2	1.5	1.1	---	90L		140	40	180	197	162	110	55	125	100	226	36	56	90	10	125
3	2.2	1.5	---	100L		160	40	200	219	183.5	127	63.5	140	---	261	21	63	100	12	143
---	3	---	---																	
4	4	2.2	---	112M		190	45	235	235	191	127	63.5	140	---	237	28	70	112	13	150.5

FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION										BEARING	
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE	
																DRIVE END	
80M	10	319	110	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZ	6204ZZ	
90S	10	409.5	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ	
90L	10	409.5	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ	
100L	12	472	120	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZ	6206ZZ	
112M	12	464	120	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZ	6306ZZ	

Note : 1. Tolerance of shaft end diameter D : j6. 3. T-Box Assy with a cable grand body.
2. Tolerance of shaft center high H : +0, -0.5.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B3 (IM 1001) FRAME NOS. 132S ~ 132M	TYPE
5-Feb-21		AEEV4N
REVISED		PAGE
		8 of 82

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

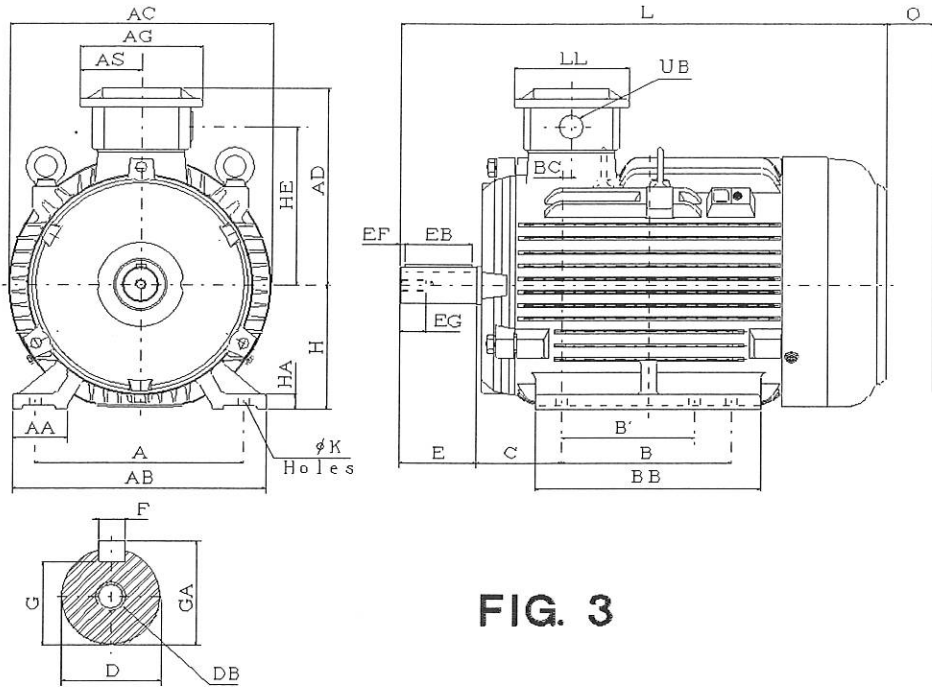


FIG. 3

Dimension in mm

Output (kW)				FRAME	FIG.	A	AA	AB	AC	AD	AG	AS	B	B'	BB	BC	C	H	HA	HE	K	L
2P	4P	6P	8P	SIZE	NO.																	
5.5	5.5	3	---	132S	3	216	57	263	273	208.5	127	63.5	140	---	275	6	89	132	16	168	12	547
7.5	---	---	---																			
---	7.5	4	---	132M		216	57	263	273	208.5	127	63.5	178	140	275	6	89	132	16	168	12	547
---	---	5.5	---																			

FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE
														DRIVE END
132S	120	50	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ
132M	120	50	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B3 (IM 1001) FRAME NOS. 160M ~ 180L	9 of 82

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

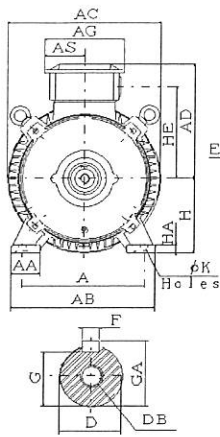


FIG. 4

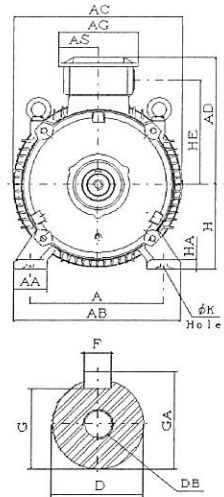


FIG. 5

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	HA	HE	K
2P	4P	6P	---																				
11	11	7.5	---	160M	4	254	60	300	317	243.5	166	83	210	---	57.5	101.5	300	47	108	160	18	195	14.5
15	---	---	---	160L		254	60	300	317	243.5	166	83	254	210	57.5	101.5	300	47	108	160	18	195	14.5
22	18.5	---	---	180M	5	279	65	330	354	269.5	166	83	241	---	62	100	330	39	121	180	20	221	14.5
---	22	15	---	180L		279	65	330	354	269.5	166	83	279	241	62	100	330	39	121	180	20	221	14.5

FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION									BEARING	
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE
														DRIVE END	DRIVE END
160M	652	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
160L															
180M	710	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3)	(6310ZZC3)
180L														6311ZZ	6310ZZ

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd.	Wuxi, China	DWG NO. 32057R9554 Rev. 01
CHKD.	Job	5-Feb-21			
DWN.	S.ZHU	5-Feb-21			

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B3 (IM 1001) FRAME NOS. 200L ~ 250M	TYPE
5-Feb-21		AEEV4N
REVISED		PAGE
		10 of 82

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

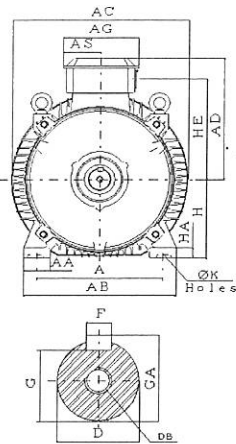


FIG 6

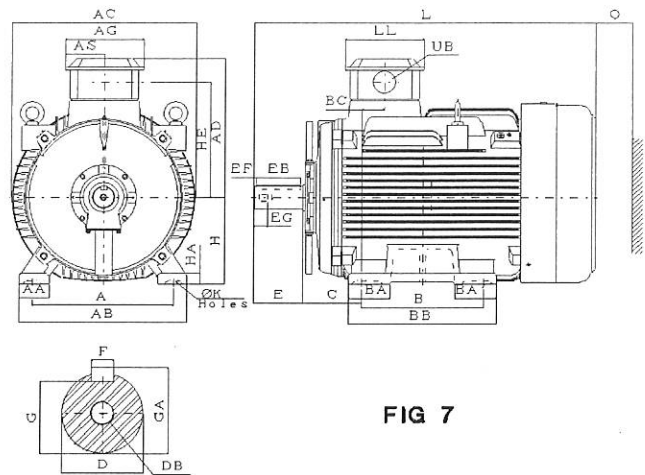


FIG 7

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	HA	HE	K
2P	4P	6P	---																				
30	30	18.5	---	200L	6	318	75	388	448	332	215	107.5	305	---	76	76	365	52	133	200	24	271.5	18.5
---	37	---	---	225SC		356	75	431	498	351.5	215	107.5	286	---	90	90	350	37.5	149	225	28	289.5	18.5
45	---	---	---	225MA		356	75	431	498	351.5	215	107.5	311	286	90	115	375	37.5	149	225	28	289.5	18.5
---	45	30	---	225MC		356	75	431	498	351.5	215	107.5	311	286	90	115	375	37.5	149	225	28	289.5	18.5
55	---	---	---	250MA	7	406	85	480	527.5	403.5	249	124.5	349	---	120	120	425	63.5	168	250	30	328	24
---	55	37	---	250MC		406	85	480	527.5	403.5	249	124.5	349	---	120	120	425	63.5	168	250	30	328	24

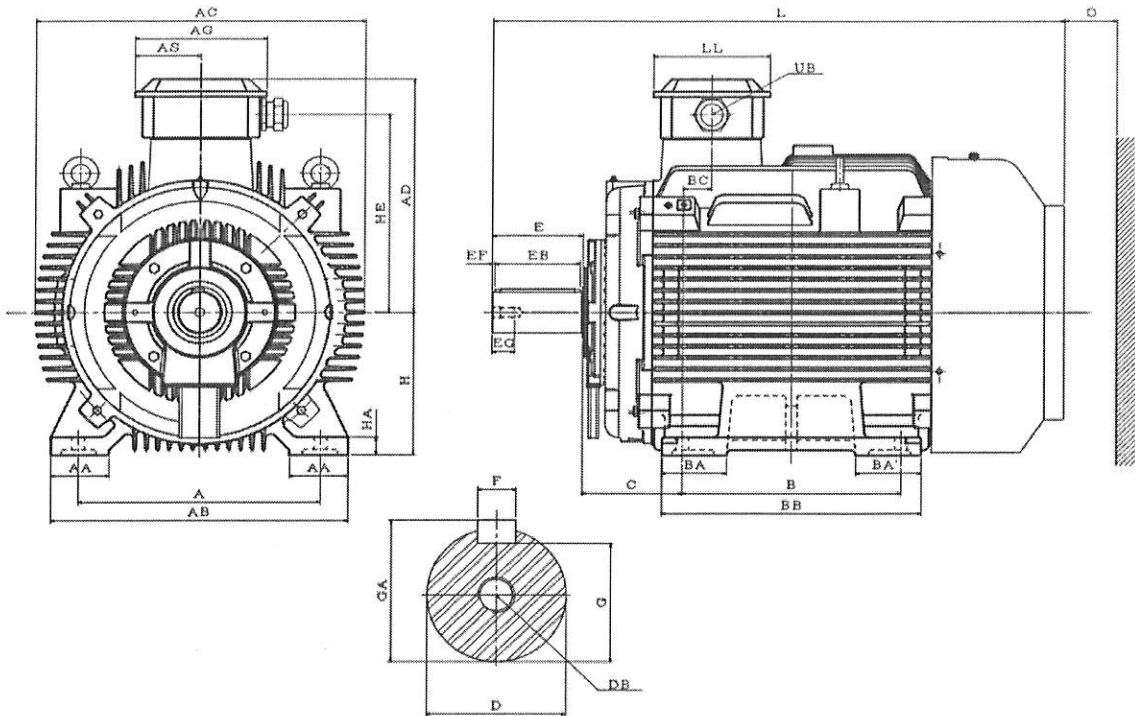
FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION									BEARING		
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE	
														DRIVE END	DRIVE END	
200L	764.5	199	80	M50X.15	55	110	100	5	42	16	49	59	M20	(6312ZZC3) 6312ZZ	(6212ZZC3) 6212ZZ	
225SC	816	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3)	(6212ZZC3)	
225MA	811	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20		6313ZZ	6213ZZ
225MC	841	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20			
250MA	977.5	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3	
250MC	977.5	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315	6313	

Note : 1. Tolerance of shaft end diameter D : m6. 4. T-Box Assy with a cable grand body.
2. Tolerance of shaft center high H : +0, -0.5.
3. Bearing No. In () is for 2P.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B3 (IM 1001) FRAME NOS. 280SA ~ 280MB	11 of 82

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



Dimension in mm

Output (kW)				FRAME	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	C	H	HA	HE	K
2P	4P	6P	---	SIZE																	
75	---	---	---	280SA	457	110	560	620	457.5	249	124.5	368	125	125	446	54	190	280	35	388	24
---	75	45	---	280SB	457	110	560	620	457.5	249	124.5	368	125	125	446	54	190	280	35	388	24
90	---	---	---	280MA	457	110	560	620	457.5	249	124.5	419	125	125	497	54	190	280	35	388	24
---	90	55	---	280MB	457	110	560	620	457.5	249	124.5	419	125	125	497	54	190	280	35	388	24

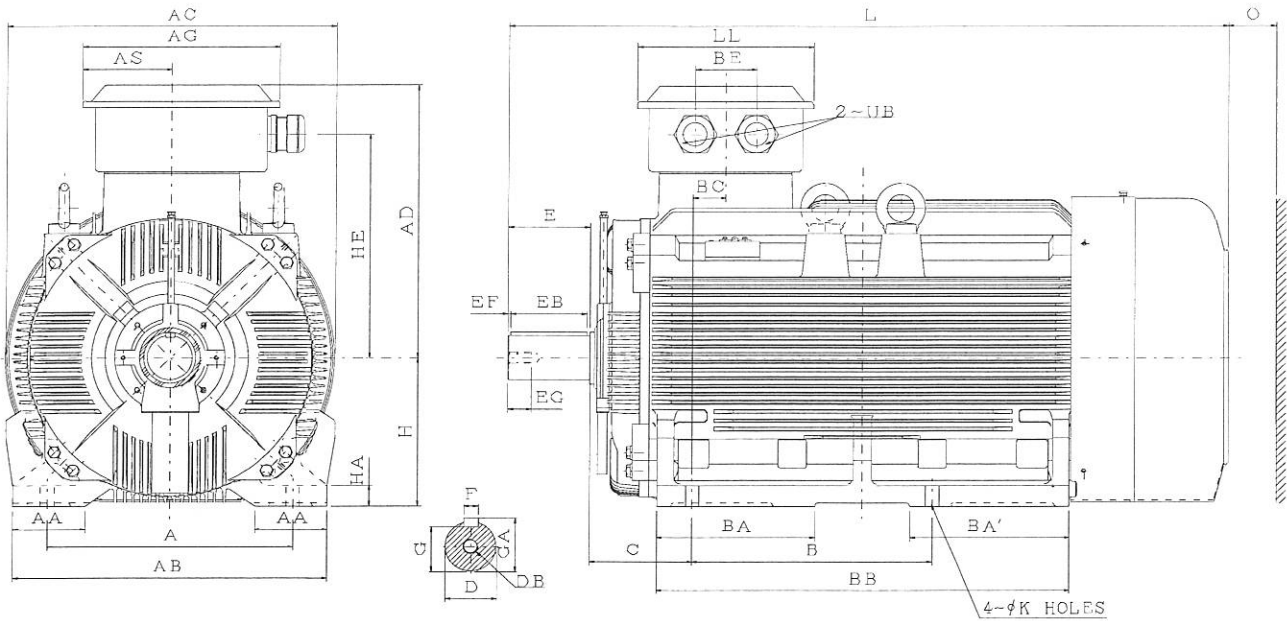
FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION									BEARING	
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
280SA	1012	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
280SB	1012	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
280MA	1062	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
280MB	1062	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with a cable grand body.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 00

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B3 (IM 1001) FRAME NOS. 315LA ~ 315LB	13 of 82

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



Dimension in mm

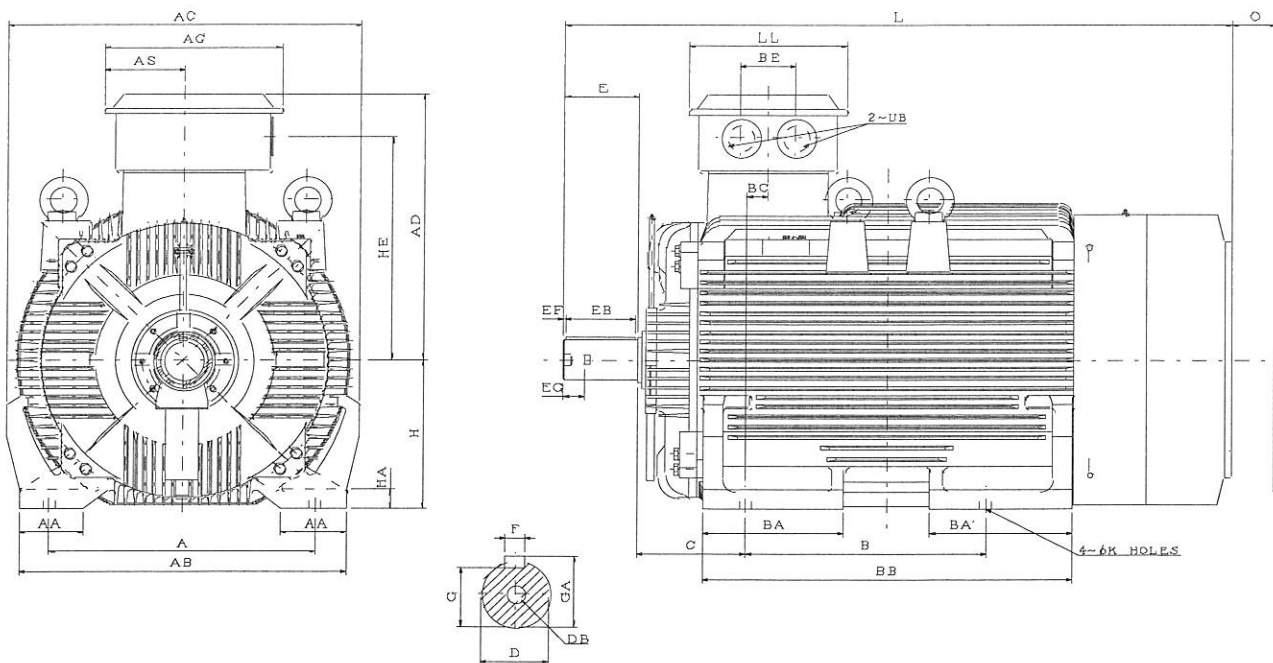
Output (kW)			FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA	HE
2P	4P	6P																		
160 200	---	---	315LA	508	150	650	682	578	408	184	508	335	335	870	68	130	216	315	45	474
---	160 200	110 132	315LB	508	150	650	682	578	408	184	508	335	335	870	68	130	216	315	45	474
FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION									BEARING					
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END				
315LA	28	1484	372	200	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3				
315LB	28	1514	372	200	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3				

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 00

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B3 (IM 1001) FRAME NOS. 355MA ~ 355MB	14 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P																	
250	---	---	355MA	610	150	750	810	633	408	184	560	330	330	860	48	130	254	355	45
---	250	160 200	355MB	610	150	750	810	633	408	184	560	330	330	860	48	130	254	355	45

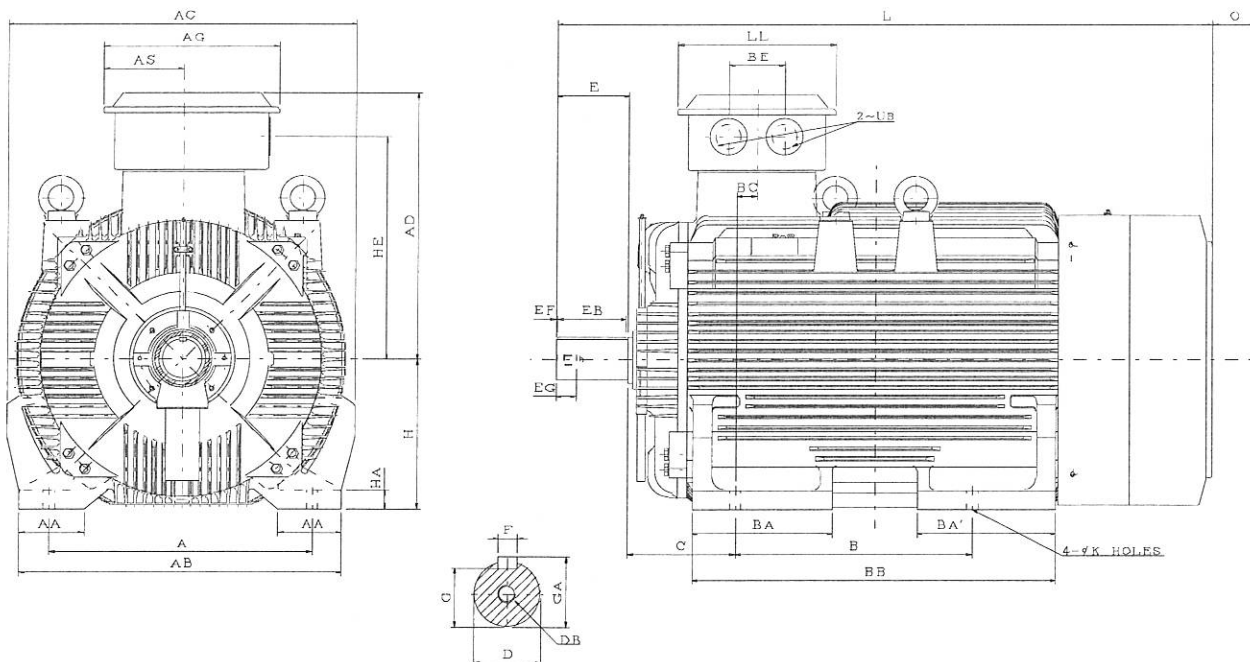
FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION									BEARING	
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
355MA	529	28	1525	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355MB	529	28	1555	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 00 8/9

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B3 (IM 1001) FRAME NOS. 355LA ~ 355LB	15 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P																	
315	---	---	355LA	610	150	750	810	633	408	184	630	330	330	910	48	130	254	355	45
---	315	250	355LB	610	150	750	810	633	408	184	630	330	330	910	48	130	254	355	45

FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION									BEARING	
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
355MA	529	28	1575	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355MB	529	28	1605	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9554
DWN.	S.ZHU	5-Feb-21		Rev. 00 9/9

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B5 (IM 3001) FRAME NOS. 80M ~ 90L	TYPE
5-Feb-21		AEUV4N
REVISED		PAGE
		16 of 82

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

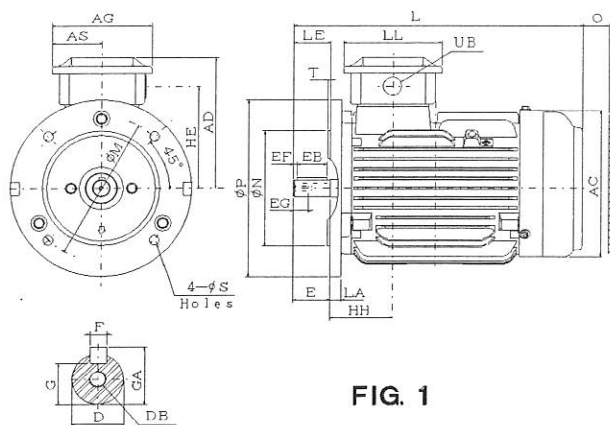


FIG. 1

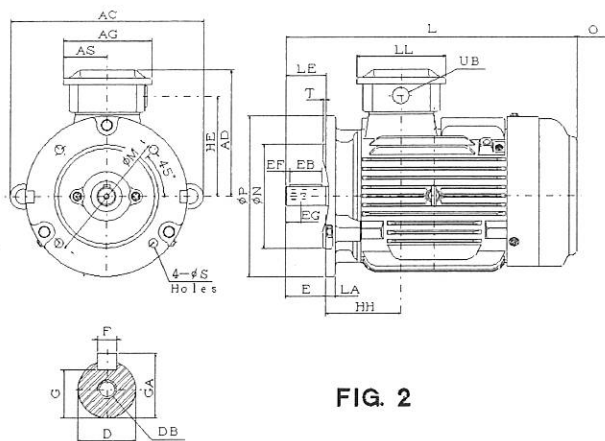


FIG. 2

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	8P			LA	LE	M	N	P	S	T							
0.75	---	---	---	80M	1	12	40	165	130	200	12	3.5	177	152	110	55	115	68.5	319
1.1	0.75	---	---																
1.5	1.1	0.75	---	90S	2	12	50	165	130	200	12	3.5	271	162	110	55	125	92	409.5
2.2	1.5	1.1	---	90L		12	50	165	130	200	12	3.5	271	162	110	55	125	92	409.5

FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
80M	110	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZ	6204ZZ
90S	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ
90L	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ

- Note :**
1. Tolerance of shaft end diameter D : j6.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9574
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B5 (IM 3001) FRAME NOS. 100L ~ 132M	TYPE
5-Feb-21		AEUV4N
REVISED		PAGE
		17 of 82

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

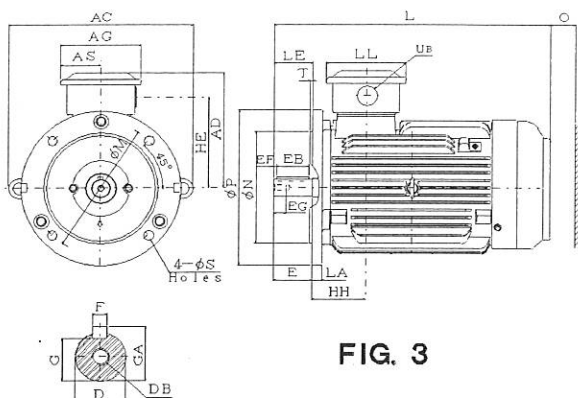


FIG. 3

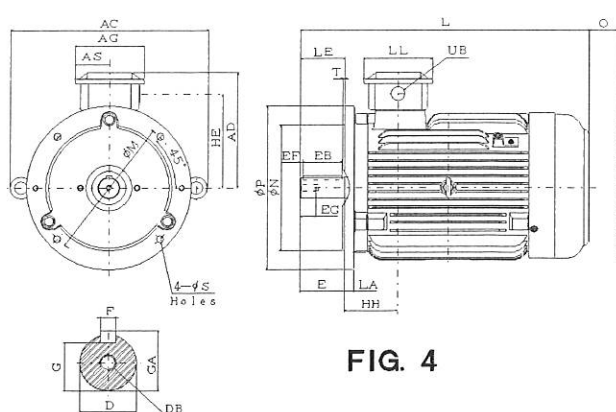


FIG. 4

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L	LL	O
2P	4P	6P	8P			LA	LE	M	N	P	S	T									
3	2.2	1.5	---	100L	4	16	60	215	180	250	14.5	4	288.5	183.5	127	63.5	143	84	472	120	50
---	3	---	---																		
4	4	2.2	---	112M	3	15	60	215	180	250	14.5	4	306.5	191	127	63.5	150.5	98	464	120	50
5.5	5.5	3	---	132S	4	16	80	265	230	300	14.5	4	360	208.5	127	63.5	168	95	547	120	50
7.5	---	---	---																		
---	7.5	4	---	132M		16	80	265	230	300	14.5	4	360	208.5	127	63.5	168	95	547	120	50
---	---	5.5	---																		

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
100L	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZ	6206ZZ
112M	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZ	6306ZZ
132S	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ
132M	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ

- Note :**
1. Tolerance of shaft end diameter D : $\phi 28 : j6$, $\phi 38 : k6$.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9574
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B5 (IM 3001) FRAME NOS. 160M ~ 180L	TYPE
5-Feb-21		AEUV4N
REVISED		PAGE
		18 of 82

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

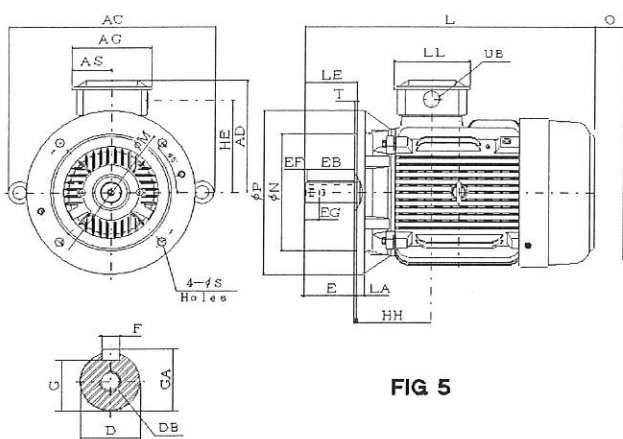


FIG 5

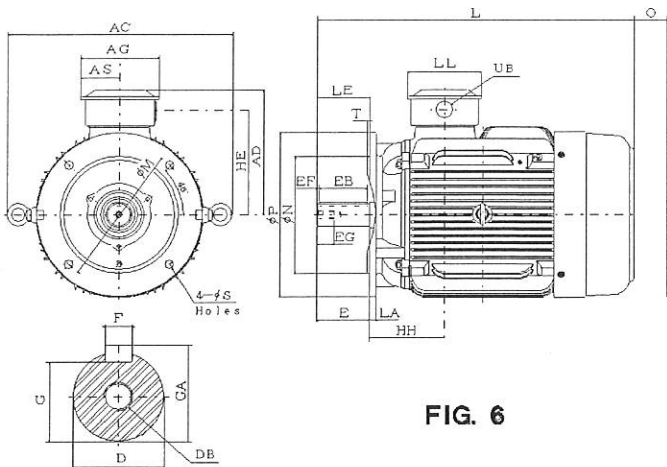


FIG. 6

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION						AC	AD	AG	AS	HE	HH	L	LL	O	
2P	4P	6P	---			LA	LE	M	N	P	S										T
¹¹ ₁₅	11	7.5	---	160M	5	15	110	300	250	350	18.5	5	427	243.5	166	83	195	155	652	160	60
18.5	15	11	---	160L		15	110	300	250	350	18.5	5	427	243.5	166	83	195	155	652	160	60
22	18.5	---	---	180M	6	15	110	300	250	350	18.5	5	476	269.5	166	83	221	160	710	160	70
---	22	15	---	180L		15	110	300	250	350	18.5	5	476	269.5	166	83	221	160	710	160	70

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
160M	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
160L	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
180M	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3)	(6310ZZC3)
180L	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZ	6310ZZ

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of N : j6
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.	32057R9574	
CHKD.	Job	5-Feb-21		Rev. 01		3/7
DWN.	S.ZHU	5-Feb-21				

ISSUED	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B5 (IM 3001) FRAME NOS. 200L ~ 225M	TYPE
5-Feb-21		AEUV4N
REVISED		PAGE
		19 of 82

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

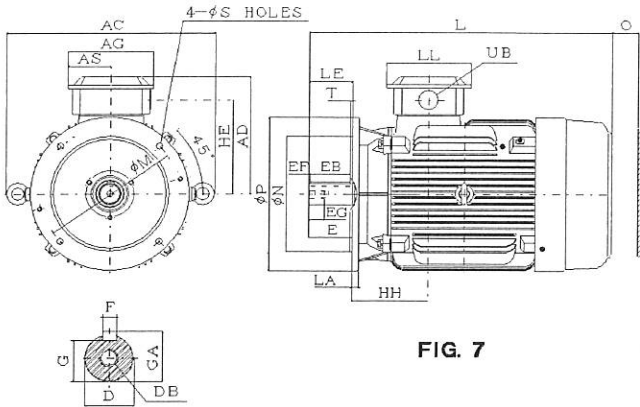


FIG. 7

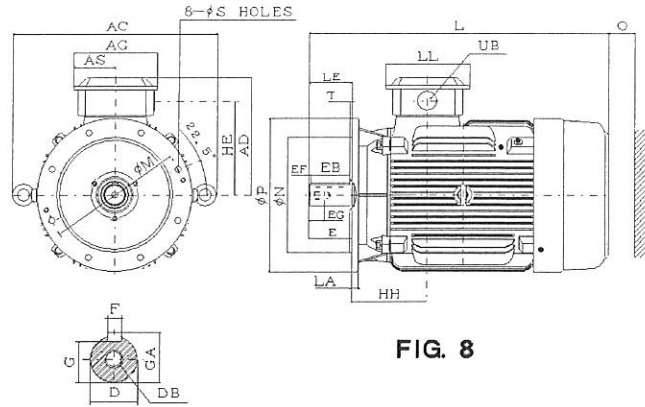


FIG. 8

Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---			SIZE	NO.	LA	LE	M	N	P							
30 37	30	18.5 22	---	200L	7	17	110	350	300	400	18.5	5	576.5	332	215	107.5	271.5	185	764.5
---	37	---	---	225SC	8	20	140	400	350	450	18.5	5	652	351.5	215	107.5	289.5	186.5	816
45	---	---	---	225MA		20	110	400	350	450	18.5	5	652	351.5	215	107.5	289.5	186.5	811
---	45	30	---	225MC		20	140	400	350	450	18.5	5	652	351.5	215	107.5	289.5	186.5	841

FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING			
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END	
200L	199	80	M50X1.5	55	110	100	5	42	16	49	59	M20	(6312ZZC3) 6312ZZ	(6212ZZC3) 6212ZZ	
225SC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3)	(6212ZZC3)	
225MA	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20	6313ZZ	6213ZZ	
225MC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20			

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of N : j6.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO. 32057R9574 Rev. 01
CHKD.	Job	5-Feb-21		
DWN.	S.ZHU	5-Feb-21		

ISSUED 5-Feb-21	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS B5 (IM 3001) FRAME NOS. 250M	TYPE AEUV4N
REVISED		PAGE 20 of 82

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

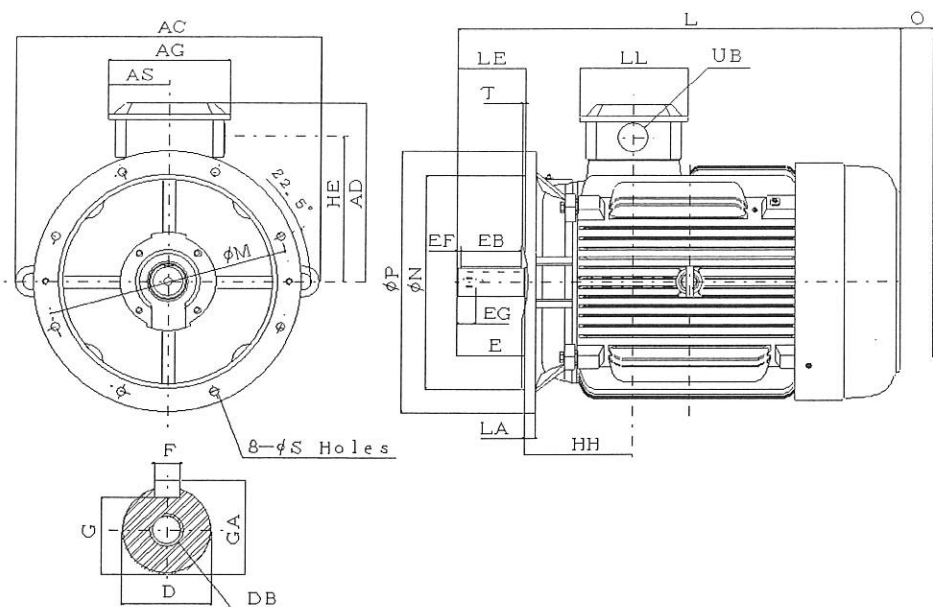


FIG.9

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---			LA	LE	M	N	P	S	T							
55	---	---	---	250MA	9	22	140	500	450	550	18.5	5	738	403.5	249	124.5	328	231.5	977.5
---	55	37	---	250MC		22	140	500	450	550	18.5	5	738	403.5	249	124.5	328	231.5	977.5

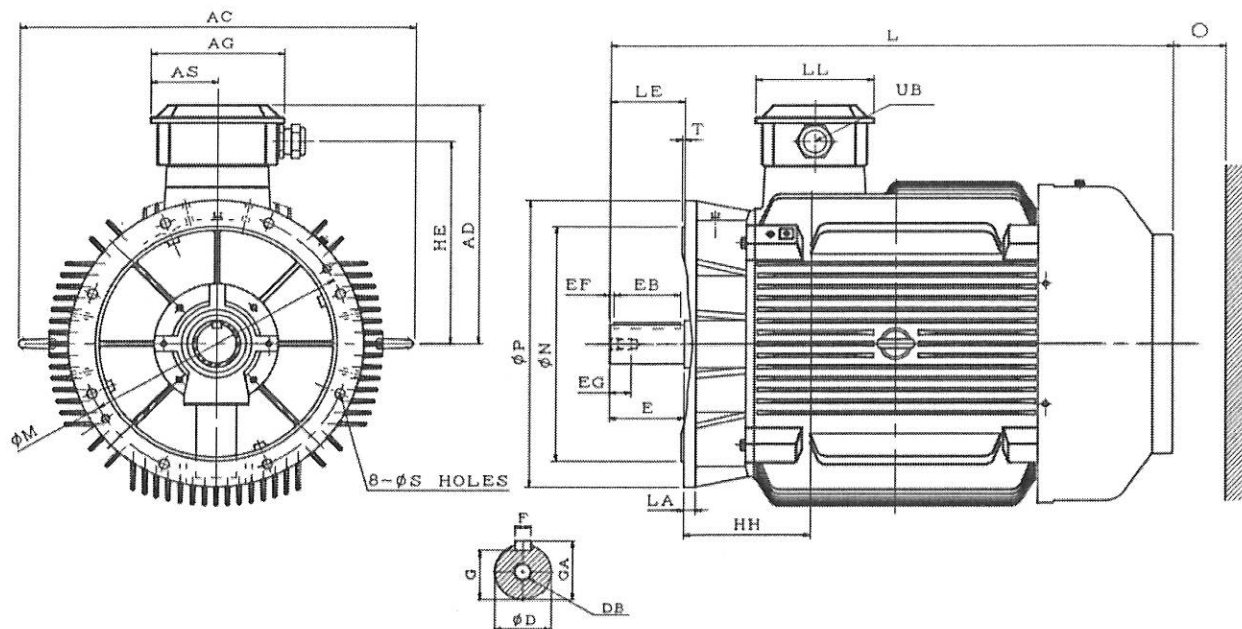
FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE
250MA	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3
250MC	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315	6313

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9574
DWN.	S.ZHU	5-Feb-21		Rev. 01 5/7

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B5 (IM 3001) FRAME NOS. 280SA ~ 280MB	21 of 82

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



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---		LA	LE	M	N	P	S	T							
75	---	---	---	280SA	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1012
---	75	45	---	280SB	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1012
90	---	---	---	280MA	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1062
---	90	55	---	280MB	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1062

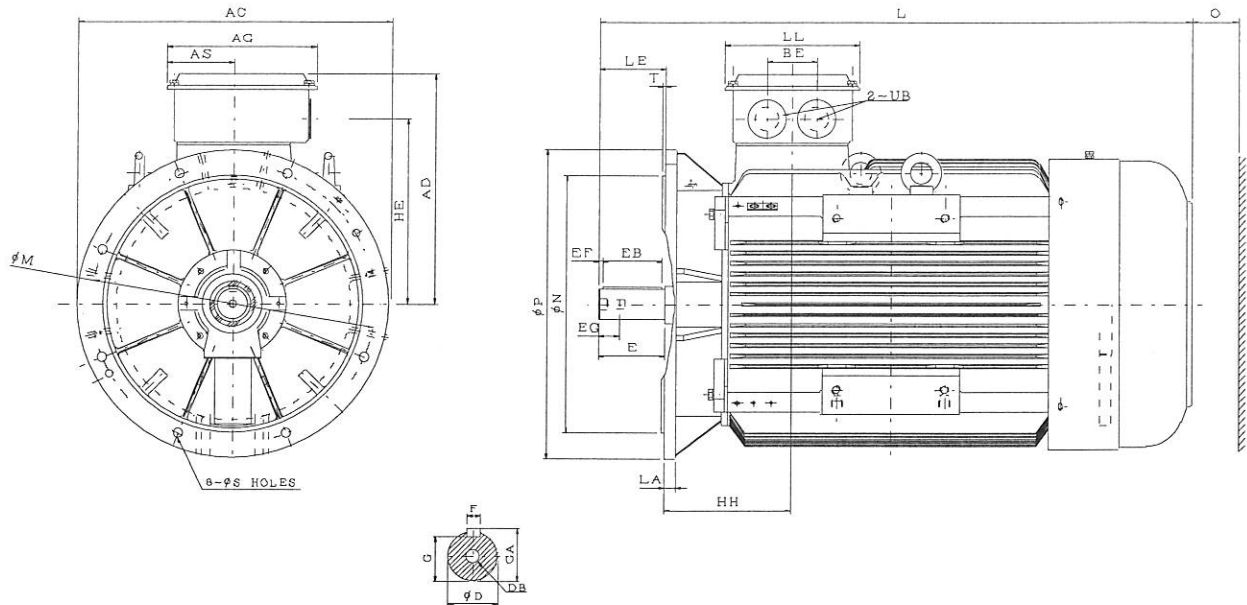
FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
280SA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
280SB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
280MA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
280MB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : j6
 4. T-Box Assy with a cable grand body.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9574
DWN.	S.ZHU	5-Feb-21		Rev. 00 6/7

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
22-Dec-15		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B5 (IM 3001) FRAME NOS. 315SA ~ 315MB	22 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P		LA	LE	M	N	P	S	T										
110	---	---	315SA	25	140	600	550	660	24	6	660	491.5	318	144	106	394	269	1216	288	180
---	110	75	315SB	25	170	600	550	660	24	6	660	491.5	318	144	106	394	269	1246	288	180
132	---	---	315MA	25	140	600	550	660	24	6	660	491.5	318	144	106	394	269	1266	288	180
---	132	90	315MB	25	170	600	550	660	24	6	660	491.5	318	144	106	394	269	1296	288	180

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315SA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315SB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3
315MA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315MB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9574
DWN.	S.ZHU	5-Feb-21		Rev. 00

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 80M ~ 90L	23 of 82

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

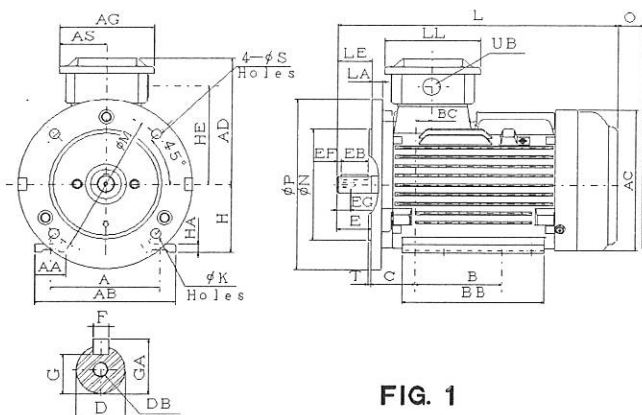


FIG. 1

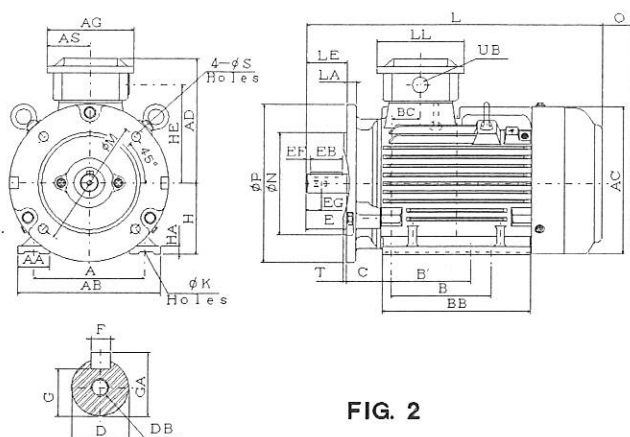


FIG. 2

Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION								A	AA	AB	AC	AD	AG	AS	B	B'	BB	BC	C	H
2P	4P	6P	8P			SIZE	NO.	LA	LE	M	N	P	S													
0.75	---	---	---	80M	1	12	40	165	130	200	12	3.5	125	34.5	161	177	152	110	55	100	---	163	18.5	50	80	
1.1	0.75	---	---			12	40	165	130	200	12	3.5	140	40	180	197	162	110	55	100	---	226	36	56	90	
1.5	1.1	0.75	---	90S	2	12	50	165	130	200	12	3.5	140	40	180	197	162	110	55	100	---	226	36	56	90	
2.2	1.5	1.1	---	90L		12	50	165	130	200	12	3.5	140	40	180	197	162	110	55	125	100	226	36	56	90	

FRAME SIZE	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING			
								D	E	EB	EF	EG	F	G	GA	DB	DRIVE END		OPPOSITE DRIVE END
80M	10	115	10	319	110	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZ	6204ZZ	
90S	10	125	10	409.5	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ	
90L	10	125	10	409.5	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ	

- Note :**
1. Tolerance of shaft end diameter D : j6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 100L ~ 132M	24 of 82

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

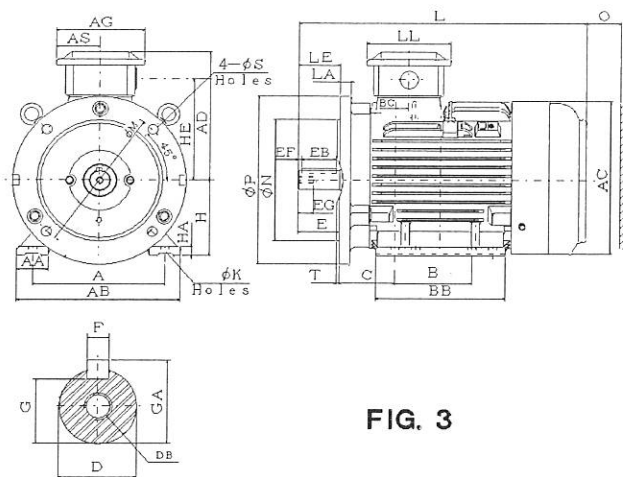


FIG. 3

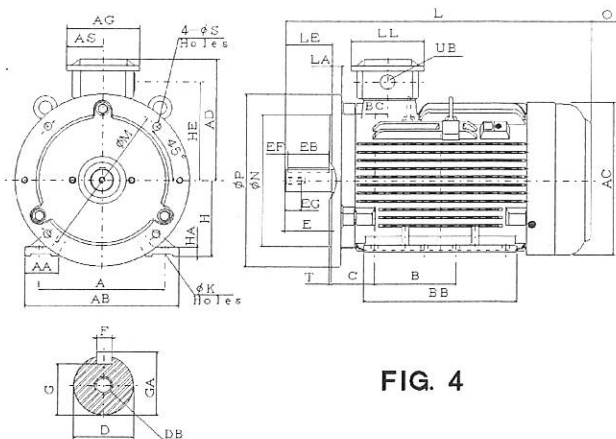


FIG. 4

Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	B'	BB	BC	C
2P	4P	6P	8P			SIZE	NO.	LA	LE	M	N	P												
3	2.2	1.5	---	100L	4	16	60	215	180	250	14.5	4	160	40	200	219	183.5	127	63.5	140	---	261	21	63
---	3	---	---																					
4	4	2.2	---	112M	3	15	60	215	180	250	14.5	4	190	45	235	235	191	127	63.5	140	---	237	28	70
5.5	5.5	3	---	132S	4	16	80	265	230	300	14.5	4	216	57	263	273	208.5	127	63.5	140	---	275	6	89
7.5	---	---	---																					
---	7.5	4	---	132M		16	80	265	230	300	14.5	4	216	57	263	273	208.5	127	63.5	178	140	275	6	89
---	---	5.5	---																					

FRAME SIZE	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
									D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
100L	100	12	143	12	472	120	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZ	6206ZZ
112M	112	13	150.5	12	464	120	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZ	6306ZZ
132S	132	16	168	12	547	120	50	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ
132M	132	16	168	12	547	120	50	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ

Note : 1. Tolerance of shaft end diameter D : $\phi 28 : j6$, $\phi 38 : k6$.

2. Tolerance of shaft center high H : +0, -0.5.

3. Tolerance of N : j6.

4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.	32057R9575	
CHKD.	Job	5-Feb-21		Rev. 01		2/10
DWN.	S.ZHU	5-Feb-21				

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 160M ~ 180L	25 of 82

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

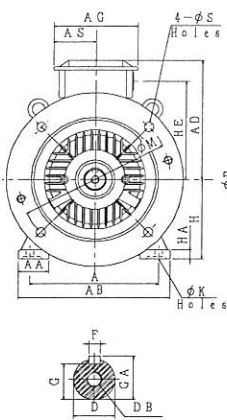


FIG 5

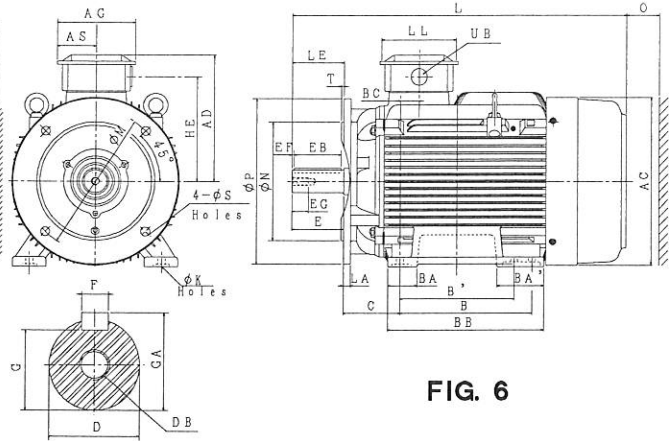


FIG. 6

Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB
2P	4P	6P	---	SIZE	NO.	LA	LE	M	N	P	S	T												
¹¹ ₁₅	11	7.5	---	160M	5	15	110	300	250	350	18.5	5	254	60	300	317	243.5	166	83	210	---	57.5	101.5	300
18.5	15	11	---	160L		15	110	300	250	350	18.5	5	254	60	300	317	243.5	166	83	254	210	57.5	101.5	300
22	18.5	---	---	180M	6	15	110	300	250	350	18.5	5	279	65	330	354	269.5	166	83	241	---	62	100	330
---	22	15	---	180L		15	110	300	250	350	18.5	5	279	65	330	354	269.5	166	83	279	241	62	100	330
FRAME SIZE	BC	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING					
											D	E	EB	EF	EG	F	G	GA	DB	DRIVE END		OPPOSITE DRIVE END		
160M	47	108	160	18	195	14.5	652	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ			
160L	47	108	160	18	195	14.5	652	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ			
180M	39	121	180	20	221	14.5	710	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3)	(6310ZZC3)			
180L	39	121	180	20	221	14.5	710	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZ	6310ZZ			

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. Bearing No. In () is for 2P.
 5. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 200L ~ 225M	26 of 82

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

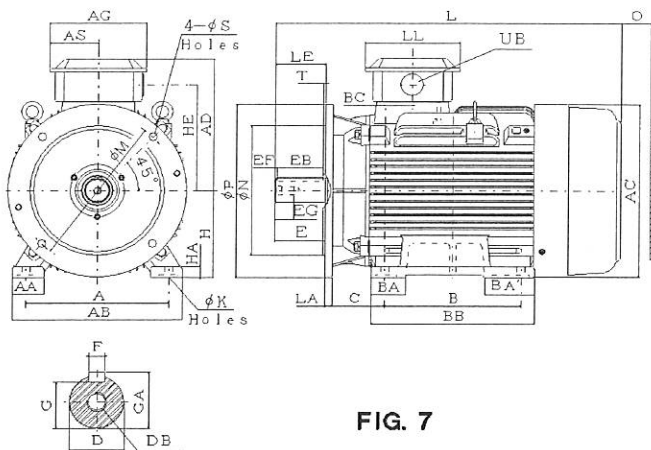


FIG. 7

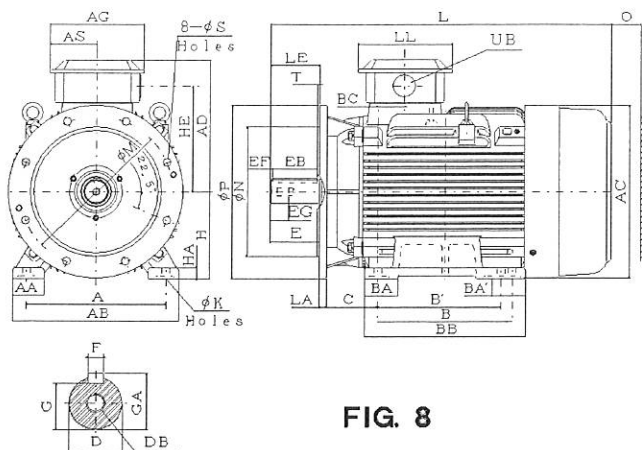


FIG. 8

Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC
2P	4P	6P	---			SIZE	NO.	LA	LE	M	N	P													
30 37	30	18.5 22	---	200L	7	17	110	350	300	400	18.5	5	318	75	388	448	332	215	107.5	305	---	76	76	365	52
---	37	---	---	225SC	8	20	140	400	350	450	18.5	5	356	75	431	498	351.5	215	107.5	286	---	90	90	350	37.5
45	---	---	---	225MA		20	110	400	350	450	18.5	5	356	75	431	498	351.5	215	107.5	311	286	90	115	375	37.5
---	45	30	---	225MC		20	140	400	350	450	18.5	5	356	75	431	498	351.5	215	107.5	311	286	90	115	375	37.5
FRAME		C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING						
											D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END				
200L		133	200	24	271.5	18.5	764.5	199	80	M50X1.5	55	110	100	5	42	16	49	59	M20	(6312ZZC3) 6312ZZ		(6212ZZC3) 6212ZZ			
225SC		149	225	28	289.5	18.5	816	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3)		(6212ZZC3)			
225MA		149	225	28	289.5	18.5	811	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20	6313ZZ		6213ZZ			
225MC		149	225	28	289.5	18.5	841	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20						

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. Bearing No. In () is for 2P.
 5. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 250M	27 of 82

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

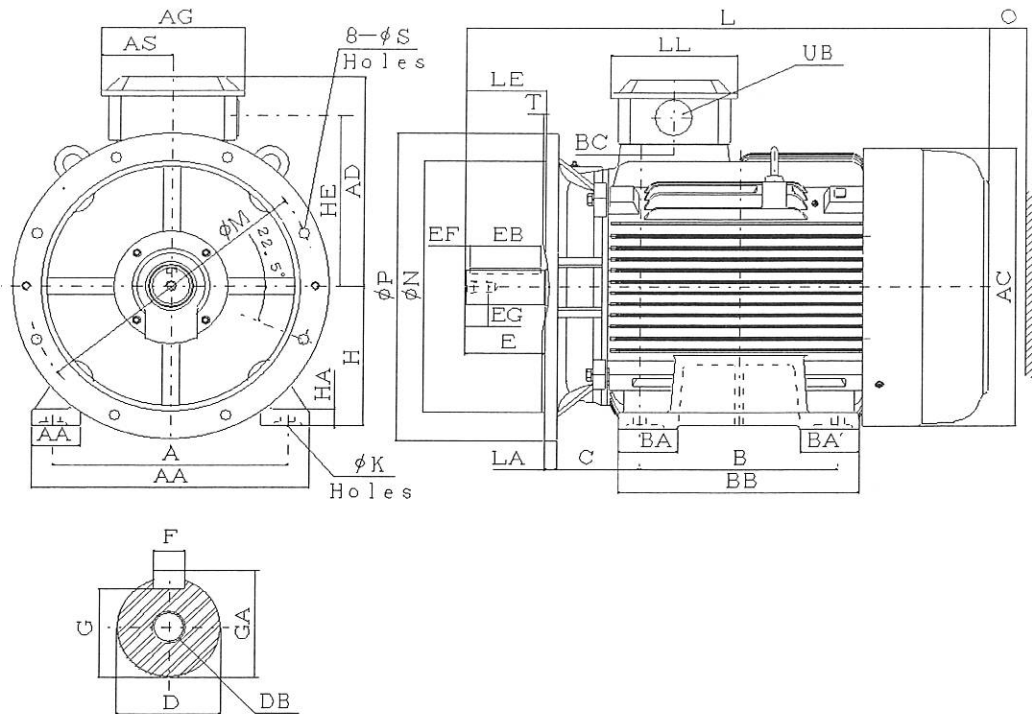


FIG.9

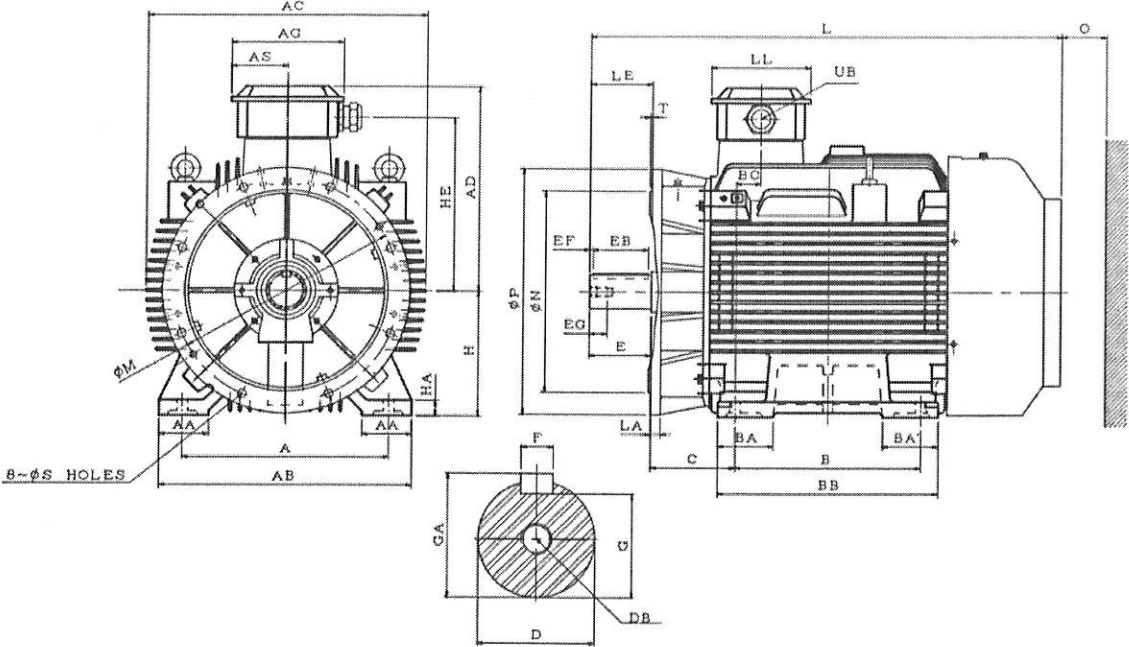
Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC
2P	4P	6P	---	SIZE	NO.	LA	LE	M	N	P	S	T													
55	---	---	---	250MA	9	22	140	500	450	550	18.5	5	406	85	480	527.5	403.5	249	124.5	349	---	120	120	425	63.5
---	55	37	---	250MC		22	140	500	450	550	18.5	5	406	85	480	527.5	403.5	249	124.5	349	---	120	120	425	63.5

FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING			
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END		OPPOSITE DRIVE END
250MA	168	250	30	328	24	977.5	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3	
250MC	168	250	30	328	24	977.5	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315	6313	

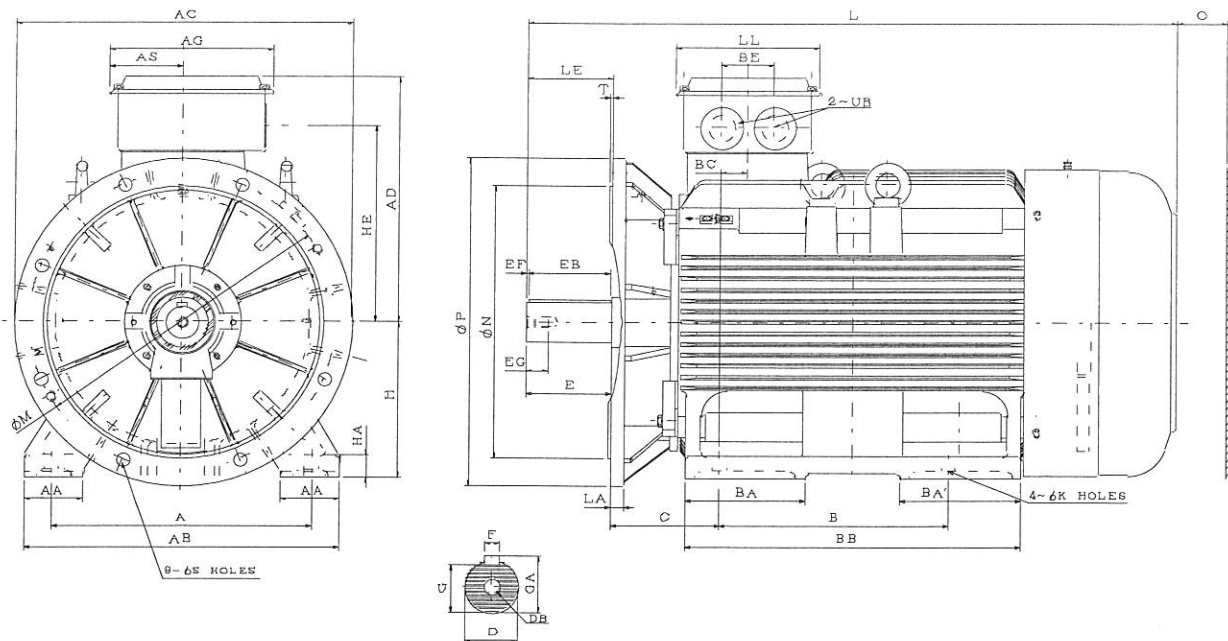
- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 01 5/10

ISSUED				OUTLINE DIMENSIONS SHEET														TYPE							
5-Feb-21																		TYPE							
REVISED				IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS														PAGE							
				B35 (IM 2001) FRAME NOS. 280SA ~ 280MB														28 of 82							
Totally Enclosed Fan - Cooled Type, Squirrel - Cage Rotor.																									
																									
Dimension in mm																									
Output (kW)				FRAME	FLANGE DIMENSION								A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	C
2P	4P	6P	---	SIZE	LA	LE	M	N	P	S	T														
75	---	---	---	280SA	22	140	500	450	550	18.5	5	457	110	560	620	457.5	249	124.5	368	125	125	446	54	190	
---	75	45	---	280SB	22	140	500	450	550	18.5	5	457	110	560	620	457.5	249	124.5	368	125	125	446	54	190	
90	---	---	---	280MA	22	140	500	450	550	18.5	5	457	110	560	620	457.5	249	124.5	419	125	125	497	54	190	
---	90	55	---	280MB	22	140	500	450	550	18.5	5	457	110	560	620	457.5	249	124.5	419	125	125	497	54	190	
FRAME	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING								
SIZE									D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE						
																		DRIVE END							
280SA	280	35	388	24	1012	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3						
280SB	280	35	388	24	1012	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3						
280MA	280	35	388	24	1062	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3						
280MB	280	35	388	24	1062	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3						
Note : 1. Tolerance of Shaft End Diameter D : m6																									
2. Tolerance of Key Width F : h9																									
3. Tolerance of Shaft Center Height H : +0, -1																									
4. Tolerance of N : j6																									
5. T-Box Assy with a cable grand body.																									
APPD.	B.H.Wang	5-Feb-21		B														DWG NO.							
CHKD.	JIM	5-Feb-21																32057R9575							
DWN.	S.ZHU	5-Feb-21																Rev. 00							
Wuxi, China														6/10											

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISE	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 315SA ~ 315MB	29 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE
2P	4P	6P		LA	LE	M	N	P	S	T													
110	---	---	315SA	25	140	600	550	660	24	6	508	115	615	660	491.5	318	144	406	210	210	620	53	106
---	110	75	315SB	25	170	600	550	660	24	6	508	115	615	660	491.5	318	144	406	210	210	620	53	106
132	---	---	315MA	25	140	600	550	660	24	6	508	115	615	660	491.5	318	144	457	240	240	670	53	106
---	132	90	315MB	25	170	600	550	660	24	6	508	115	615	660	491.5	318	144	457	240	240	670	53	106

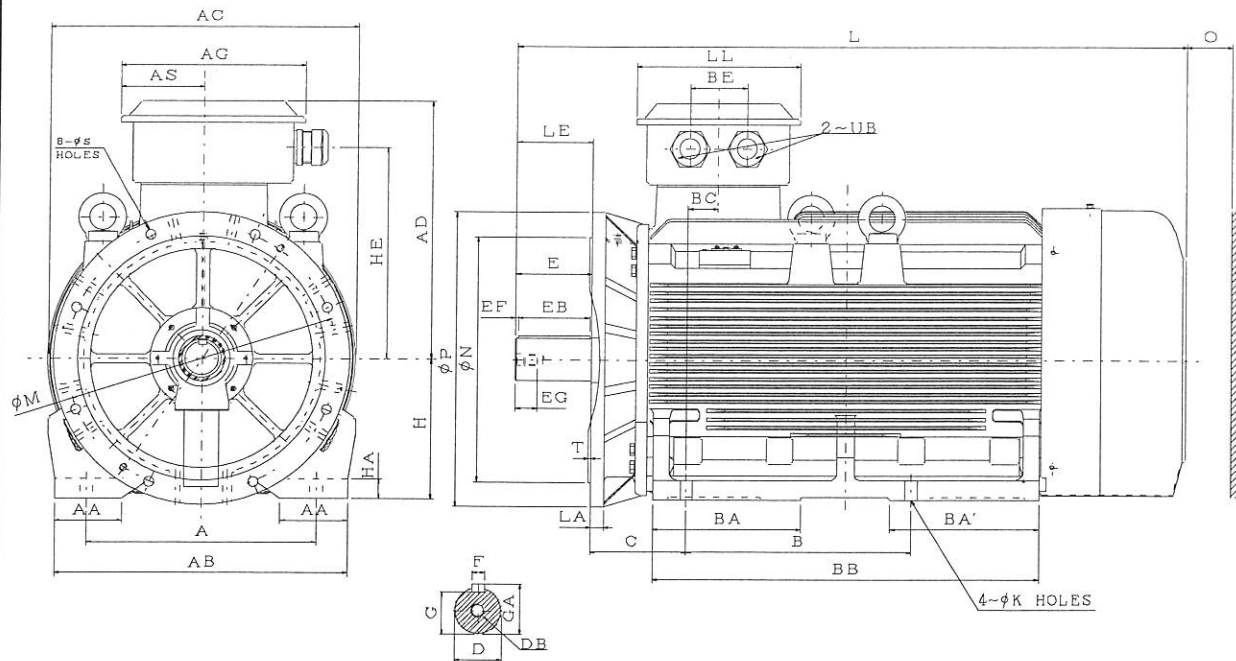
FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE
																				DRIVE END
315SA	216	315	35	394	28	1216	288	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315SB	216	315	35	394	28	1246	288	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3
315MA	216	315	35	394	28	1266	288	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315MB	216	315	35	394	28	1296	288	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 00 7/10

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISE	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 315LA ~ 315LB	30 of 82

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



Dimension in mm

Output (kW)			FRAME	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE
2P	4P	6P		SIZE	LA	LE	M	N	P	S													
160 200	---	---	315LA	30	140	600	550	660	24	6	508	150	650	682	578	408	184	508	335	335	870	68	130
---	160 200	110 132	315LB	30	170	600	550	660	24	6	508	150	650	682	578	408	184	508	335	335	870	68	130

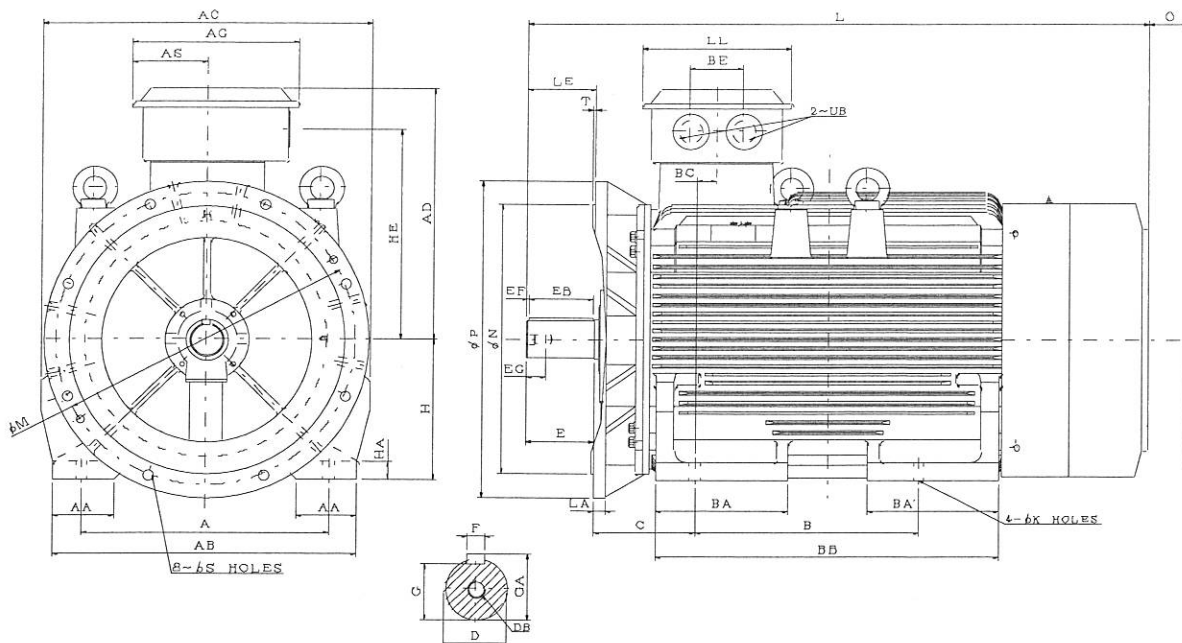
FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315LA	216	315	45	474	28	1484	372	200	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315LB	216	315	45	474	28	1514	372	200	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 00 8/10

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISE	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 355MA ~ 355MB	31 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE
2P	4P	6P		LA	LE	M	N	P	S	T													
250	---	---	355MA	30	140	740	680	800	24	6	610	150	750	810	633	408	184	560	330	330	860	48	130
---	250	160 200	355MB	30	170	740	680	800	24	6	610	150	750	810	633	408	184	560	330	330	860	48	130

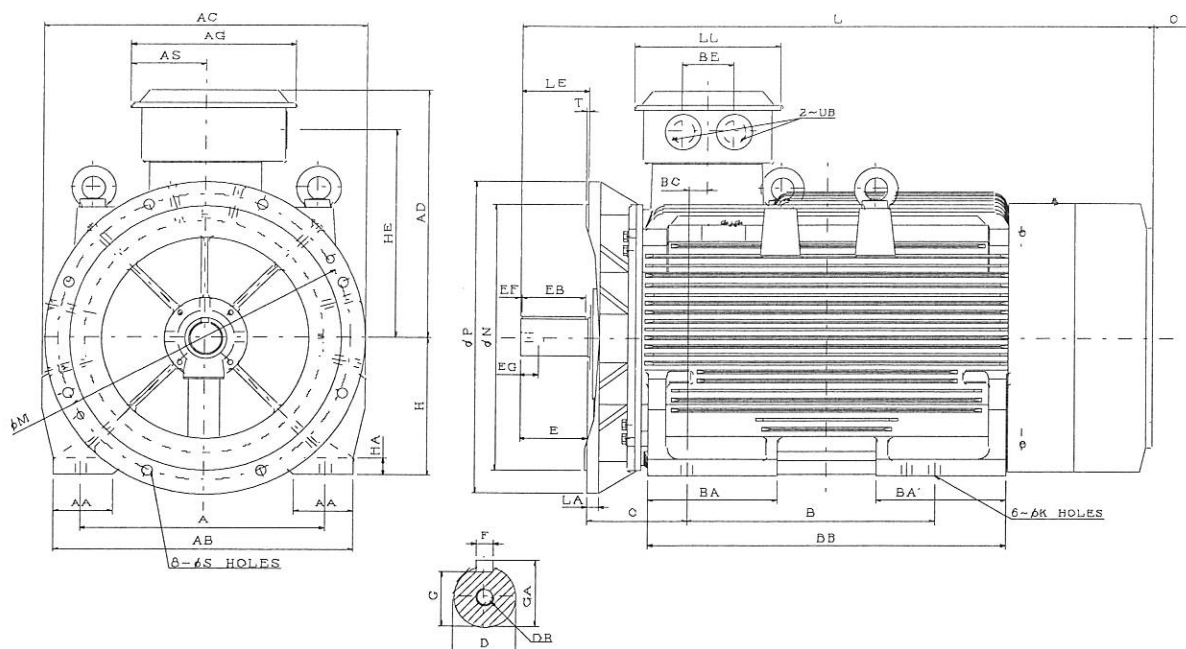
FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
355MA	254	355	45	529	28	1525	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355MB	254	355	45	529	28	1555	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 00 9/10

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEEV4N
REVISE	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	B35 (IM 2001) FRAME NOS. 355LA ~ 355LB	32 of 82

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



Dimension in mm

Output (kW)			FRAME	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE
2P	4P	6P		SIZE	LA	LE	M	N	P	S													
315	---	---	355LA	30	140	740	680	800	24	6	610	150	750	810	633	408	184	630	330	330	910	48	130
---	315	250	355LB	30	170	740	680	800	24	6	610	150	750	810	633	408	184	630	330	330	910	48	130
FRAME SIZE		C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING				
											D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END		
355LA		254	355	45	529	28	1575	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3		
355LB		254	355	45	529	28	1605	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3		

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. T-Box Assy with two cable gland bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9575
DWN.	S.ZHU	5-Feb-21		Rev. 00 10/10

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 80M ~ 90L	33 of 82

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

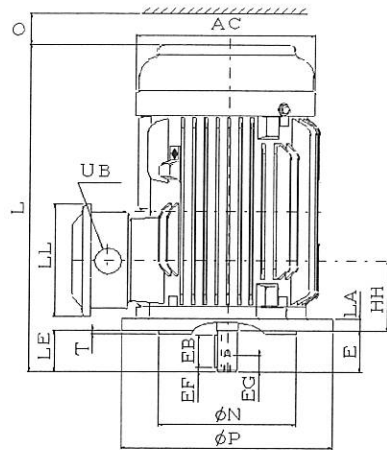


FIG. 1

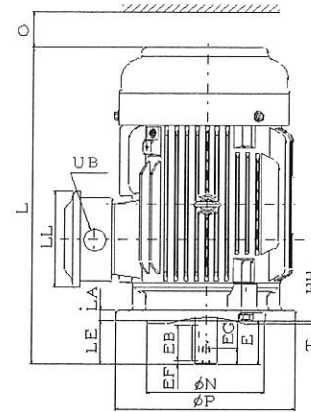
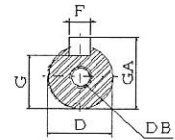
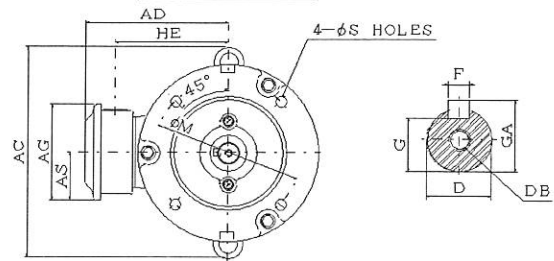
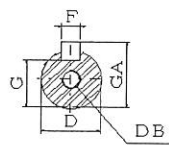
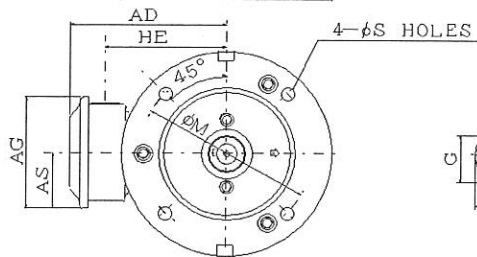


FIG. 2



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	8P			LA	LE	M	N	P	S	T							
0.75	---	---	---	80M	1	12	40	165	130	200	12	3.5	177	152	110	55	115	68.5	319
1.1	0.75	---	---			12	40	165	130	200	12	3.5	177	152	110	55	115	68.5	319
1.5	1.1	0.75	---	90S	2	12	50	165	130	200	12	3.5	271	162	110	55	125	92	409.5
2.2	1.5	1.1	---	90L		12	50	165	130	200	12	3.5	271	162	110	55	125	92	409.5

FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
80M	110	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZ	6204ZZ
90S	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ
90L	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6205ZZ

- Note :**
1. Tolerance of shaft end diameter D : j6.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 100L ~ 132M	34 of 82

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

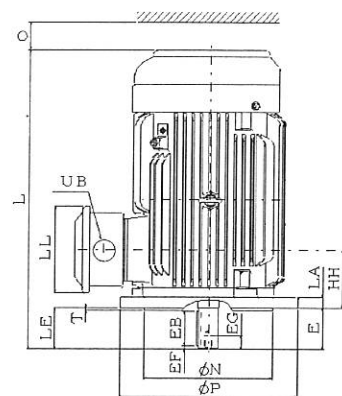


FIG. 3

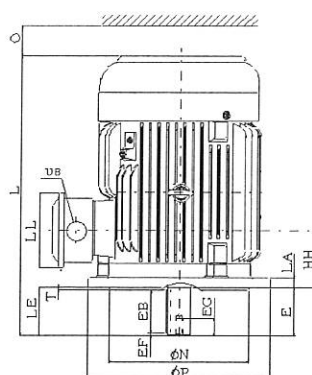
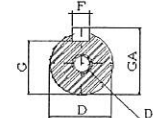
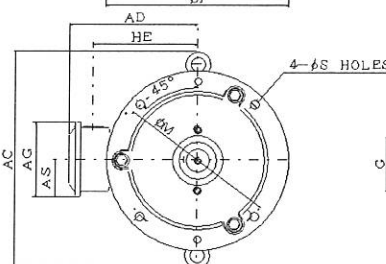
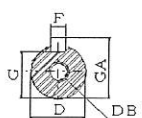
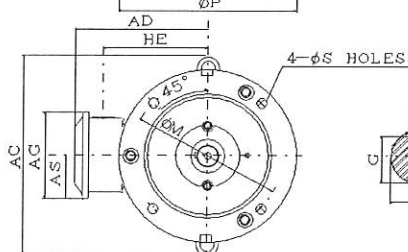


FIG. 4



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L	LL	O
2P	4P	6P	8P			LA	LE	M	N	P	S	T										
3	2.2	1.5	---	100L	4	16	60	215	180	250	14.5	4	288.5	183.5	127	63.5	143	84	472	120	50	
---	3	---	---																			
4	4	2.2	---	112M	3	15	60	215	180	250	14.5	4	306.5	191	127	63.5	150.5	98	464	120	50	
5.5	5.5	3	---	132S	4	16	80	265	230	300	14.5	4	360	208.5	127	63.5	168	95	547	120	50	
7.5	---	---	---																			
---	7.5	4	---	132M	4	16	80	265	230	300	14.5	4	360	208.5	127	63.5	168	95	547	120	50	
---	---	5.5	---																			

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
100L	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZ	6206ZZ
112M	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZ	6306ZZ
132S	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ
132M	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ

Note : 1. Tolerance of shaft end diameter D : $\phi 28 : j6$, $\phi 38 : k6$.

2. Tolerance of N : j6.

3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 160M ~ 180L	35 of 82

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

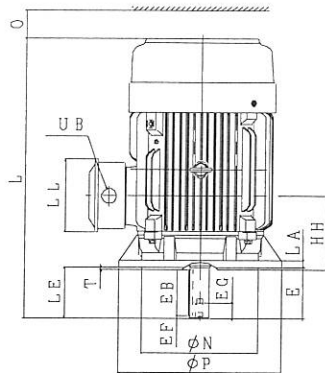


FIG 5

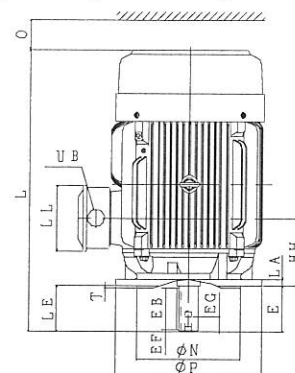
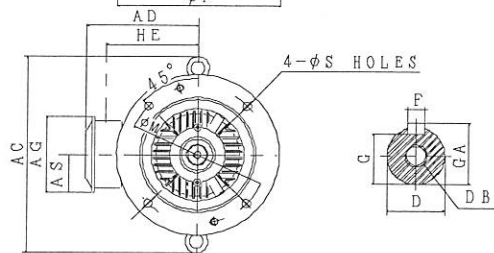
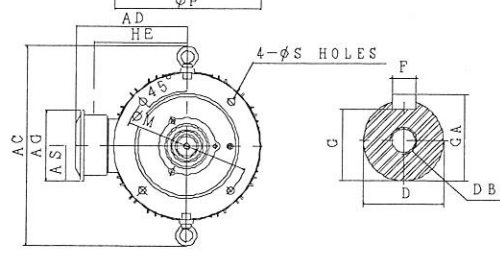


FIG. 6



Dimension in mm

Output (kW)				FRAME	FIG.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L	LL	O
2P	4P	6P	---			SIZE	NO.	LA	LE	M	N	P									
11	11	7.5	---	160M	5	15	110	300	250	350	18.5	5	427	243.5	166	83	195	155	652	160	60
15	15	11	---	160L		15	110	300	250	350	18.5	5	427	243.5	166	83	195	155	652	160	60
22	18.5	---	---	180M	6	15	110	300	250	350	18.5	5	476	269.5	166	83	221	160	710	160	70
---	22	15	---	180L		15	110	300	250	350	18.5	5	476	269.5	166	83	221	160	710	160	70

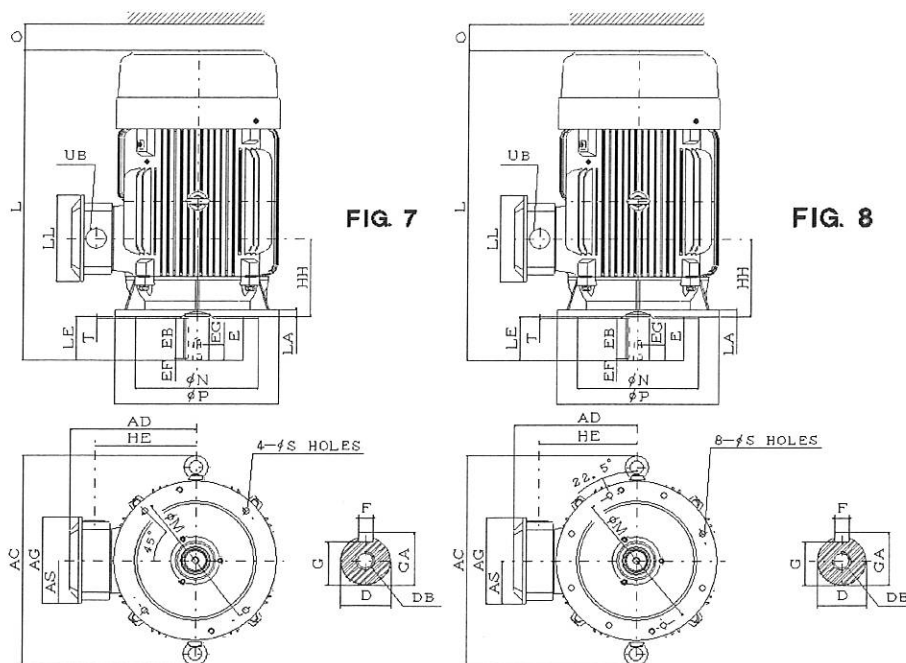
FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
160M	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
160L	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
180M	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3)	(6310ZZC3)
180L	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZ	6310ZZ

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of N : j6.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 200L ~ 225M	36 of 82

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



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---			LA	LE	M	N	P	S	T							
30	30	18.5	---	200L	7	17	110	350	300	400	18.5	5	576.5	332	215	107.5	271.5	185	764.5
37	---	22	---	225SC	8	20	140	400	350	450	18.5	5	652	351.5	215	107.5	289.5	186.5	816
45	---	---	---	225MA		20	110	400	350	450	18.5	5	652	351.5	215	107.5	289.5	186.5	811
---	45	30	---	225MC		20	140	400	350	450	18.5	5	652	351.5	215	107.5	289.5	186.5	841

FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
200L	199	80	M50X1.5	55	110	100	5	42	16	49	59	M20	(6312ZZC3) 6312ZZ	(6212ZZC3) 6212ZZ
225SC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3) 6313ZZ	(6212ZZC3)
225MA	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20		(6212ZZC3)
225MC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20		6213ZZ

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of N : j6.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 01

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 250M	37 of 82

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

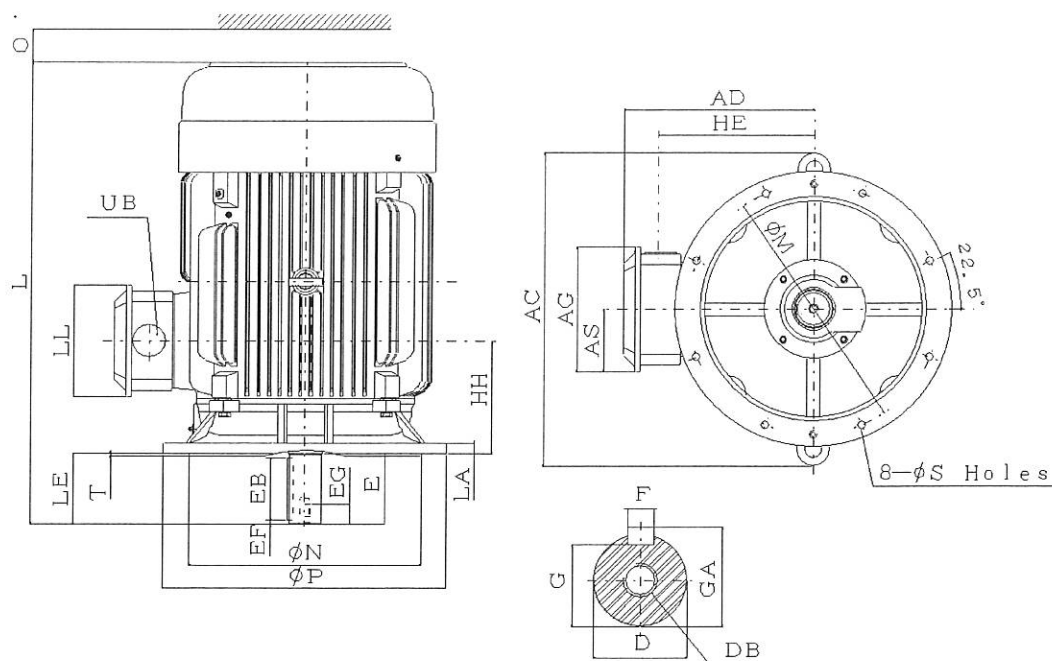


FIG.9

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---			LA	LE	M	N	P	S	T							
55	---	---	---	250MA	9	22	140	500	450	550	18.5	5	738	403.5	249	124.5	328	231.5	977.5
---	55	37	---	250MC		22	140	500	450	550	18.5	5	738	403.5	249	124.5	328	231.5	977.5

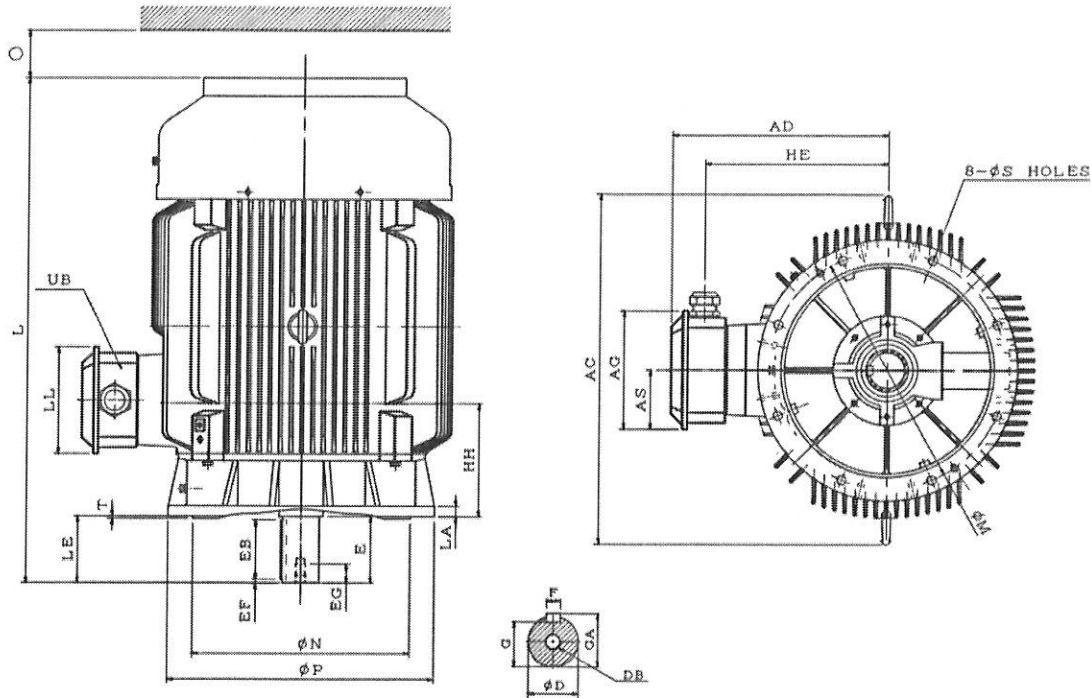
FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING		
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
250MA	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3
250MC	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315	6313

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.

APPD.	B.H.WANG	5-Feb-21	TECO Electric & Machinery Co., Ltd. Wuxi, China	DWG NO.
CHKD.	Job	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 01 5/10

ISSUED 5-Feb-21	OUTLINE DIMENSIONS SHEET IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS V1 (IM 3011) FRAME NOS. 280SA ~ 280MB	TYPE AEUV4N
REVISED		PAGE 38 of 82

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



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION						AC	AD	AG	AS	HE	HH	L	
2P	4P	6P	---		LA	LE	M	N	P	S								T
75	---	---	---	280SA	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1012
---	75	45	---	280SB	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1012
90	---	---	---	280MA	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1062
---	90	55	---	280MB	22	140	500	450	550	18.5	5	734	457.5	249	124.5	388	244	1062

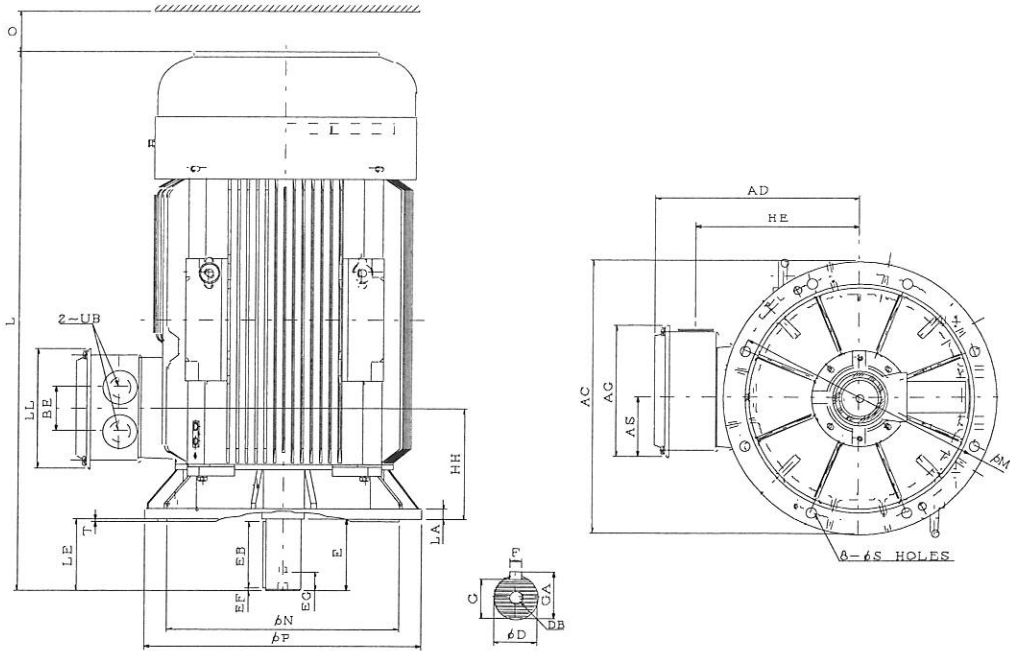
FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
280SA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
280SB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
280MA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
280MB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : j6
 4. T-Box Assy with a cable grand body.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 00 6/10

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 315SA ~ 315MB	39 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P		LA	LE	M	N	P	S	T										
110	---	---	315SA	25	140	600	550	660	24	6	660	491.5	318	144	106	394	269	1216	288	180
---	110	75	315SB	25	170	600	550	660	24	6	660	491.5	318	144	106	394	269	1246	288	180
132	---	---	315MA	25	140	600	550	660	24	6	660	491.5	318	144	106	394	269	1266	288	180
---	132	90	315MB	25	170	600	550	660	24	6	660	491.5	318	144	106	394	269	1296	288	180

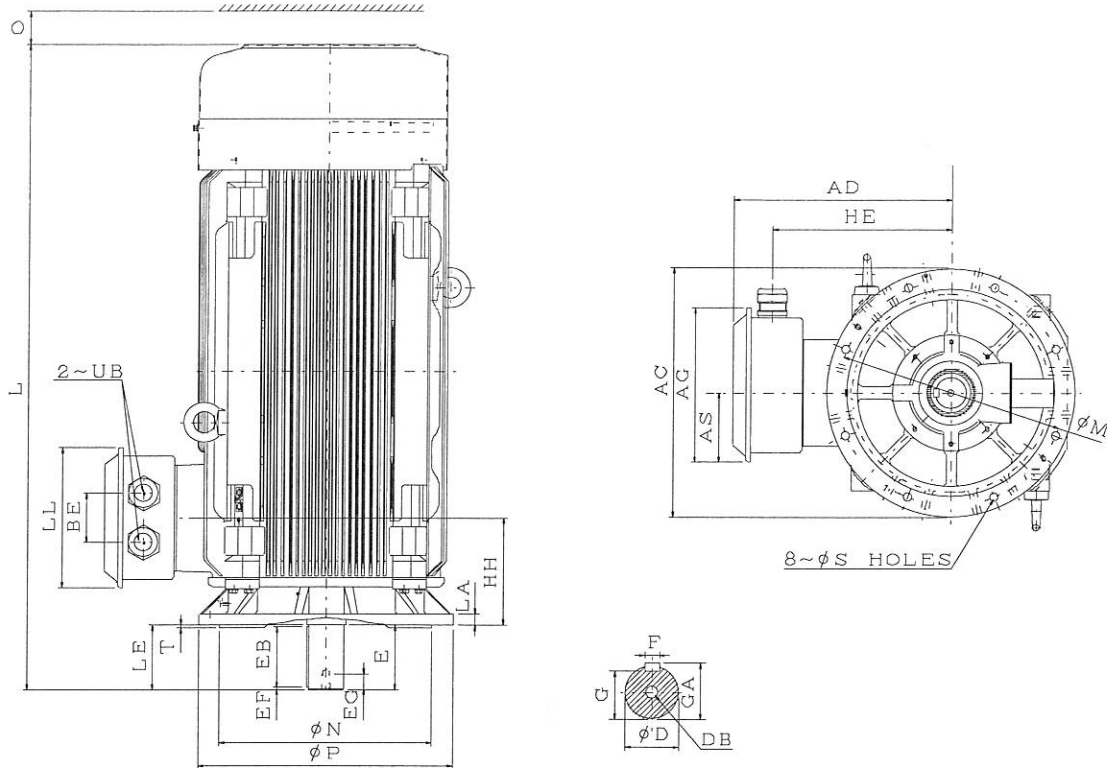
FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315SA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315SB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3
315MA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315MB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 - 4.T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 00 7/10

ISSUED	OUTLINE DIMENSIONS SHEET	TYPE
5-Feb-21		AEUV4N
REVISED	IE4 EFFICIENCY 3-PHASE INDUCTION MOTORS	PAGE
	V1 (IM 3011) FRAME NOS. 315LA ~ 315LB	40 of 82

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



Dimension in mm

Output (kW)			FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P		LA	LE	M	N	P	S	T										
160 200	---	---	315LA	30	140	600	550	660	24	6	682	578	408	184	130	474	284	1674	372	200
---	160 200	110 132	315LB	30	170	600	550	660	24	6	682	578	408	184	130	474	284	1704	372	200

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315LA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315LB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodies.

APPD.	B.H.Wang	5-Feb-21	B Wuxi, China	DWG NO.
CHKD.	JIM	5-Feb-21		32057R9576
DWN.	S.ZHU	5-Feb-21		Rev. 00 8/10