



Rotates the world

IEC Standard Low Voltage Motor

Optimized Series

AEEVX3, AEUVX3 IE2 Efficiency



Mechanical Design

Type: Squirrel Cage Induction Motor
Frame Size: 80M to 355L
Enclosure: Totally Enclosed Fan Cooled (TEFC)

Ingress Protection

Stock motors are design to meet Ingress Protection of IP55, other special requirement please refer to TECO.

Drive Method

Stock motors are design for both Direct Coupling and Belt Drive use from frame size 80M to 250M. However, for 2 Pole Motor design for both Direct coupling and Belt drive is from Frame size 80M to 200L only. For belt drive application for other frame size, please refer to TECO.

Bearings

High Quality Deep Groove Ball Sealed Bearings are use for our stock motor from frame size 80 to 280M and Vacuum De-Gassed High Quality Deep Groove Ball Open Bearings are use for stock motor from frame Size 315S to 355L. Any special bearings, please refer to TECO.

Lubrication

Both our sealed and open type bearing are grease lubricated.

Construction

Frame: High Grade Cast Iron
End Bracket: High Grade Cast Iron
External Fan: Polypropylene
Fan Cover: Pressed Steel
Shaft: Carbon Steel
Lead: 6 Leads
Iron Core: High Grade, Insulated, Cold Rolled,
Electro Magnetic Steel Plate

Terminal Box

Stock motor are fitted with pressed steel T-Box for Frame 80M to 315L and T-Box are designed for provision of rotation by 90° to tree direction that enable cable entry from 3 directions. (T-Box at side can rotate by 360°)

Finishing

Stock motor are completed with Phenolic Rust Proof Base Plus Lacquer Surface Finished Painting as standard:
Gray Color (Munsell 7.5B 3.5/0.5) (IE 2)
Any other colour finishing, please refer to TECO.

Lifting Device

All motor from Frame Size 100 and above comes with eye bolt for lifting purposes.

Standards

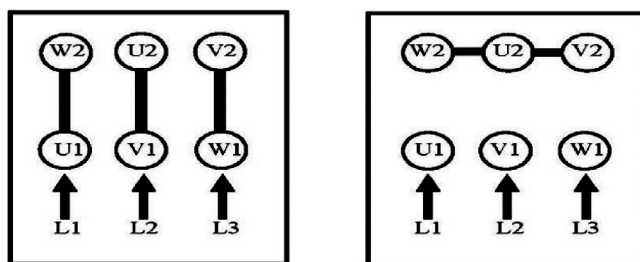
IEC 60072-1 Dimensions and output series for rotating electrical machines - Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080.

Connection Diagram

Direct-On-Line

For motor rating 2.2kW and below:
Voltage: 220~240V (Delta)/380~415V (Star)

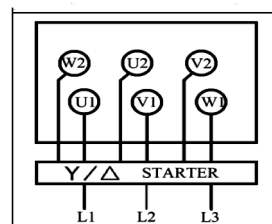
For motor rating 3kW and above:
Voltage: 380~415V (Delta)



Star-Delta

Connect U1,V1,W1,U2,V2 & W2 to Star-Delta starter panel.

Power Supply Voltage(L1,L2,L3) to be connected to voltage indicated in Delta configuration column on the motor nameplate.



Special Enhancement

The following enhancement are also available.
Please refer to TECO.

- IP 56
- Class 'H' Insulation
- Inverter Duty Wire
- Special Paint Finishes
- Special Shaft Extensions
- Dual Speed
- Smoke Spill Duty
- Stainless Steel Hardware
- Conversion of sealed bearing to open bearing

Optional Accessories

Thermal Protection Accessories

PTC Thermistors
Resistance Temperature Detectors (RTD)
Thermostat

Moisture Protection Accessories

Space Heater

Performance

IE 2 Performance Data (2 Pole) TEFC, INS.F, AMB.40°C, IEC DESIGN N

Motor Type: AEEVX3 / AEUVX3, 380V, 50HZ, S.F.1.0

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTER GD ² kg-m ²	NOISE SOUND POWER NO LOAD dB(A)	APPROX WEIGHT kg
				FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTER %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0.75	1	2875	80M	77.4	76.2	73.3	82.0	76.0	62.0	1.80	680	0.254	230	150	230	0.005	62	16.0
1.1	1.5	2875	80M	79.6	79.1	78.7	83.0	77.0	65.0	2.53	710	0.373	230	150	230	0.007	62	17.0
1.5	2	2880	90S	81.3	80.5	79.5	84.0	78.0	66.0	3.34	730	0.508	230	150	230	0.010	67	20.0
2.2	3	2885	90L	83.2	82.5	82.3	85.0	79.0	67.0	4.73	760	0.743	230	140	230	0.013	67	23.0
3	4	2890	100L	84.6	83.8	83.2	87.0	81.0	69.0	6.20	780	1.012	220	140	230	0.022	74	31.0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	5.5	2900	112M	85.8	84.9	84.7	88.0	82.0	70.0	8.06	810	1.344	220	140	230	0.042	77	40.0
5.5	7.5	2905	132S	87.0	86.2	84.6	88.0	87.0	80.0	10.9	820	1.842	220	120	230	0.012	85	65.0
7.5	10	2900	132S	88.1	88.0	87.0	88.0	83.4	74.1	14.7	780	2.516	220	120	230	0.014	85	68.0
11	15	2940	160M	89.4	89.4	88.6	91.5	89.0	83.0	20.4	830	3.703	220	155	270	0.154	87	118
15	20	2925	160M	90.3	90.3	90.2	93.0	91.5	88.0	27.1	765	4.963	230	155	240	0.192	87	124
18.5	25	2945	160L	90.9	91.7	90.5	92.5	90.5	86.0	33.4	880	6.162	265	175	280	0.237	87	146
22	30	2950	180M	91.3	91.7	90.9	90.0	86.9	79.8	40.7	810	7.256	220	110	230	0.106	88	185
30	40	2950	200L	92.0	92.5	91.7	90.0	88.8	82.6	55.1	750	9.895	200	110	230	0.157	90	248
37	50	2950	200L	92.5	93.2	92.7	90.0	88.2	81.4	67.5	750	12.20	200	110	230	0.177	90	250
45	60	2965	225M	92.9	93.1	92.5	90.0	89.5	87.2	81.8	750	14.77	220	100	230	0.302	92	330
55	75	2970	250M	93.2	92.4	90.8	90.0	89.3	82.8	99.6	760	18.02	220	100	230	0.398	92	445
75	100	2970	280S	93.8	93.7	92.7	90.0	88.0	82.9	135	690	24.57	180	90	230	0.678	94	535
90	125	2970	280M	94.1	94.1	93.1	91.0	89.0	82.8	160	690	29.48	180	90	230	0.852	94	610
110	150	2950	315S	94.3	94.4	91.5	90.0	86.0	77.0	196.9	650	36.34	180	90	220	5.708	98	930
132	180	2950	315M	94.6	94.7	91.8	90.0	85.5	76.5	235.6	820	43.60	180	90	220	6.312	98	980
160	215	2950	315L	94.8	94.9	92.0	89.0	84.6	75.7	288.1	840	52.85	180	90	220	7.204	98	1090
200	270	2950	315L	95.0	95.1	92.2	90.0	85.5	76.5	355.4	800	66.07	180	80	220	7.884	98	1190
250	335	2980	355M	95.0	95.1	94.6	91.0	88.0	80.5	439.4	750	81.75	180	150	220	13.18	100	1710
315	420	2980	355L	95.0	95.1	94.6	91.0	88.0	80.5	553.6	750	103.01	180	150	220	15.80	100	1920

Note:

1. The above are typical values based on test according to IEC 60034-2-1:2007
2. Tolerance according to 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 at no-load, dB(A), Tolerance +3 dB(A)
6. Data subject to change without notice

Performance

IE 2 Performance Data (4 Pole) TEFC, INS.F, AMB.40°C, IEC DESIGN N

Motor Type: AEEVX3 / AEUVX3, 380V, 50HZ, S.F.1.0

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTER GD ² kg-m ²	NOISE SOUND POWER NO LOAD dB(A)	APPROX WEIGHT kg
				FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTER %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
0.55	0.75	1420	80M	77.1	77.9	75.5	75.0	69.0	57.0	1.45	520	0.377	230	160	230	0.010	56	16.0
0.75	1	1420	80M	79.6	78.7	76.2	76.0	70.0	58.0	1.89	640	0.515	230	160	230	0.011	56	17.0
1.1	1.5	1430	90S	81.4	80.9	78.9	77.0	71.0	59.0	2.67	660	0.750	230	160	230	0.017	59	20.0
1.5	2	1440	90L	82.8	81.9	81.6	78.0	72.0	60.0	3.53	670	1.015	230	160	230	0.022	59	23.0
2.2	3	1440	100L	84.3	83.5	82.9	80.0	74.0	62.0	4.96	730	1.489	230	150	230	0.041	64	30.0
3	4	1440	100L	85.5	84.7	84.2	81.0	75.0	63.0	6.59	750	2.030	230	150	230	0.050	64	35.0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	5.5	1445	112M	86.6	85.7	84.8	81.0	75.0	63.0	8.67	750	2.698	230	150	230	0.083	65	44.0
5.5	7.5	1450	132S	87.7	88.8	88.3	83.0	79.1	68.4	11.5	750	3.691	200	140	230	0.032	75	66.0
7.5	10	1450	132M	88.7	88.9	88.1	84.0	79.0	68.7	15.3	730	5.033	200	140	230	0.042	75	80.0
11	15	1465	160M	89.8	90.5	89.7	84.0	81.6	70.3	22.2	740	7.306	200	140	230	0.090	77	122
15	20	1465	160L	90.6	91.2	90.4	85.0	83.2	75.3	29.6	750	9.962	200	140	230	0.118	77	140
18.5	25	1470	180M	91.2	90.9	89.5	86.0	80.9	69.7	35.8	760	12.25	200	120	230	0.172	80	180
22	30	1470	180L	91.6	92.2	91.6	86.0	83.6	73.4	42.4	770	14.56	210	120	230	0.199	80	195
30	40	1470	200L	92.3	92.7	92.5	86.0	84.9	79.5	57.4	710	19.86	210	120	230	0.332	83	255
37	50	1480	225S	92.7	92.9	92.3	87.0	85.4	77.8	69.7	730	24.33	210	120	230	0.538	84	306
45	60	1480	225M	93.1	93.2	92.4	87.0	80.9	71.2	84.4	730	29.58	220	110	230	0.632	84	343
55	75	1480	250M	93.5	94.0	93.7	87.0	85.3	77.2	103	730	36.16	220	110	230	0.761	85	425
75	100	1480	280S	94.0	94.6	94.2	87.0	85.5	80.0	139	680	49.31	220	100	230	1.631	88	590
90	125	1480	280M	94.2	94.7	94.2	87.0	86.0	79.1	167	690	59.17	220	100	230	1.873	88	650
110	150	1480	315S	94.5	94.6	91.7	89.0	84.6	75.7	198.7	650	72.43	210	100	220	12.72	94	935
132	180	1480	315M	94.7	94.8	91.9	88.0	83.6	74.8	240.7	650	86.91	210	100	220	14.72	94	1020
160	215	1480	315L	94.9	95.0	92.1	87.0	82.7	74.0	294.4	650	105.4	210	100	220	15.51	94	1085
200	270	1480	315L	95.1	95.2	92.2	87.0	82.7	74.0	367.3	650	131.7	210	90	220	18.68	94	1200
250	335	1490	355M	95.1	95.2	94.7	90.0	87.0	80.0	443.8	700	163.5	200	150	220	28.66	94	1740
315	420	1490	355L	95.1	95.2	94.7	90.0	87.0	80.0	559.2	700	206.0	200	150	220	34.81	95	1975

Note:

1. The above are typical values based on test according to IEC 60034-2-1:2007
2. Tolerance according to 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 at no-load, dB(A), Tolerance +3 dB(A)
6. Data subject to change without notice

Performance

IE 2 Performance Data (6 Pole) TEFC, INS.F, AMB.40°C, IEC DESIGN N

Motor Type: AEEVX3 / AEUVX3, 380V, 50HZ, S.F.1.0

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTER GD ² kg-m ²	NOISE SOUND POWER NO LOAD dB(A)	APPROX WEIGHT kg
kW	HP			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTER %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
0.55	0.75	920	80M	73.1	73.2	69.3	72.0	66.0	54.0	1.59	470	0.583	200	150	210	0.013	54	17.0
0.75	1	930	90S	75.9	75.3	73.2	71.0	65.0	53.0	2.12	580	0.786	200	150	210	0.018	57	20.0
1.1	1.5	940	90L	78.1	77.5	74.9	72.0	66.0	54.0	2.98	590	1.140	200	130	210	0.025	57	23.0
1.5	2	945	100L	79.8	78.8	77.2	72.0	66.0	54.0	3.97	590	1.547	200	130	210	0.044	61	30.0
2.2	3	950	112M	81.8	80.9	79.3	72.0	66.0	54.0	5.68	620	2.257	200	130	210	0.071	65	40.0
3	4	960	132S	83.3	83.8	81.7	76.0	72.1	57.7	7.20	640	3.041	200	130	210	0.036	73	58.0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	5.5	965	132M	84.6	84.5	82.9	76.0	69.3	56.8	9.45	660	4.033	200	130	210	0.047	73	71.0
5.5	7.5	965	132M	86.0	85.1	83.2	77.0	75.9	63.7	12.6	680	5.546	200	130	210	0.057	73	78.0
7.5	10	970	160M	87.2	86.8	84.8	77.0	73.6	63.7	17.0	680	7.523	200	130	210	0.114	73	119
11	15	970	160L	88.7	90.1	89.6	78.0	73.9	63.5	24.2	690	11.03	200	120	210	0.153	73	139
15	20	975	180L	89.7	90.5	89.6	81.0	75.5	66.5	31.4	730	14.97	200	120	210	0.263	77	188
18.5	25	980	200L	90.4	90.4	88.8	81.0	78.5	67.3	38.4	720	18.37	200	120	210	0.397	80	220
22	30	980	200L	90.9	91.1	90.0	81.0	75.9	64.6	45.4	730	21.84	200	120	210	0.460	80	250
30	40	980	225M	91.7	91.9	91.0	84.0	83.2	76.0	59.2	680	29.79	200	120	210	0.752	80	324
37	50	985	250M	92.2	92.5	91.6	86.0	82.9	71.2	70.9	700	36.55	200	120	210	0.916	82	400
45	60	985	280S	92.7	92.6	91.7	86.0	85.0	76.9	85.8	720	44.45	200	110	200	1.795	85	530
55	75	985	280M	93.1	93.5	92.8	86.0	83.0	76.0	104	720	54.33	200	110	200	2.171	85	600
75	100	985	315S	93.7	93.8	90.9	85.0	80.8	72.3	143.1	650	74.20	200	100	200	13.98	89	865
90	120	985	315M	94.0	94.1	91.2	86.0	81.7	73.1	169.1	650	89.04	200	100	200	16.09	89	950
110	150	985	315L	94.3	94.4	91.5	86.0	81.7	73.1	206.1	650	108.8	200	100	200	19.70	89	1120
132	180	985	315L	94.6	94.7	91.8	85.0	80.8	72.3	249.4	650	130.6	200	100	200	22.23	89	1185
160	215	990	355M	94.8	94.9	94.4	86.0	83.0	76.0	298.2	700	157.5	200	150	220	37.08	94	1705
200	270	990	355M	95.0	95.1	94.6	86.0	83.0	76.0	371.9	700	196.9	200	150	220	43.20	94	1890
250	335	990	355L	95.0	95.1	94.6	86.0	83.0	76.0	464.9	700	246.1	200	150	220	47.20	94	2000

Note:

1. The above are typical values based on test according to IEC 60034-2-1:2007
2. Tolerance according to 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 at no-load, dB(A), Tolerance +3 dB(A)
6. Data subject to change without notice

Dimensions

Outline Dimension

Foot Mounted

Motor Type: AEEVX3

Frame Size: 80M to 225M

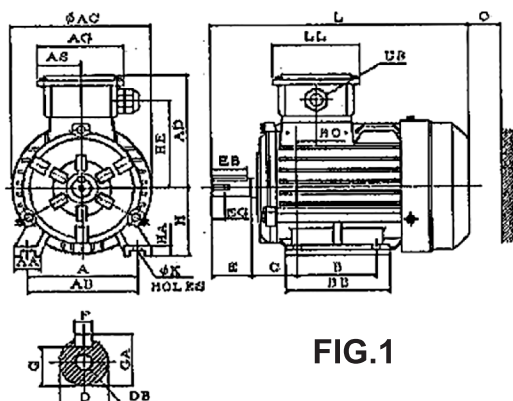


FIG.1

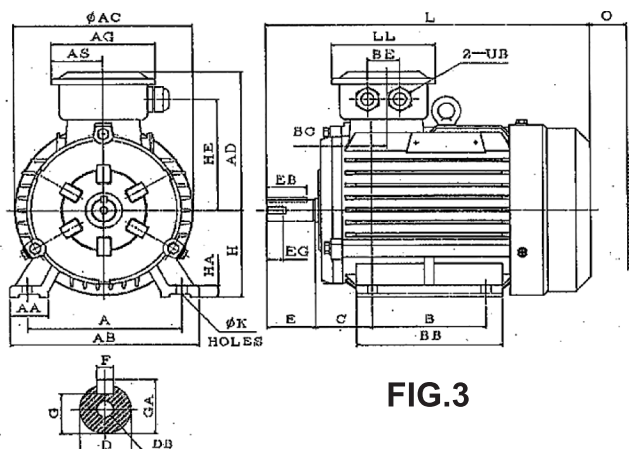


FIG.3

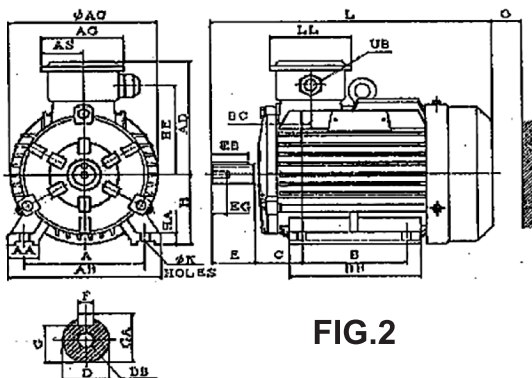


FIG.2

Output (kW)				FRAME SIZE	FIG. NO	A	AA	AB	AC	AD	AG	AS	B	B1	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	...																				
0.75 1.1	0.55 0.75	0.55 ...	...	80M	1	125	36	159	157	141	104	52	100	...	...	...	...	130	18	...	50	80	12
1.5	1.1	0.75	...	90S		140	36	174	175	147	110	55	100	...	...	...	...	132	26	...	56	90	14
2.2	1.5	1.1	...	90L		140	36	174	175	147	110	55	125	...	...	...	...	157	26	...	56	90	14
3 ...	2.2 3	1.5 ...	...	100L	2	160	42	204	197	164	110	55	140	...	...	...	...	176	13	...	63	100	17
4	4	2.2	...	112M	3	190	49	232	219	183	126	63	140	...	...	...	...	176	18.5	42	70	112	18
5.5 7.5	5.5 ...	3 ...	...	132S	4	216	55	265	260	203.5	127	63.5	140	...	...	...	...	188	10	...	89	132	18
... ...	7.5 ...	4 5.5	...	132M		216	55	265	260	203.5	127	63.5	178	...	...	...	...	226	10	...	89	132	18
11 15	11 ...	7.5 ...	...	160M		254	65	315	315	250.5	166	83	210	...	...	...	...	260	38	...	108	160	20
18.5	15	11	...	160L		254	65	315	315	250.5	166	83	254	...	...	...	...	305	38	...	108	160	20
22	18.5	...	...	180M	5	279	70	350	360	272	166	83	241	...	...	...	...	315	40	...	121	180	22
...	22	15	...	180L		279	70	350	360	272	166	83	279	...	...	...	...	350	40	...	121	180	22
30 37	30 ...	18.5 22	...	200L		318	70	390	400	309	215	107.5	305	...	...	...	...	370	53	...	133	200	25
...	37	...	...	225SC		356	75	435	450	334	215	107.5	286	...	...	...	...	370	40.5	...	149	225	28
45	...	...	...	225MA		356	75	435	450	334	215	107.5	311	...	...	...	...	395	40.5	...	149	225	28
Page 4	45	30	...	225MC		356	75	435	450	334	215	107.5	311	...	...	...	...	395	40.5	...	149	225	28

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48 : k6 ; c) Φ 55-95 : m6
2. Tolerance of shaft center high H : a) Fr#80M-250M: +0, -0.5; b) Fr#280S/M: -355 M/L : +0, -1

Dimensions

Outline Dimension

Foot Mounted

Motor Type: AEEVX3

Frame Size: 80M to 225M

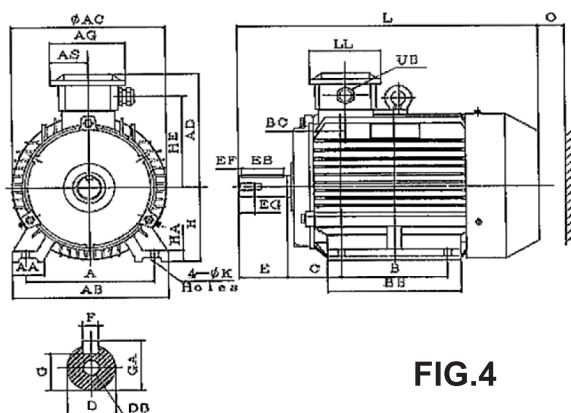


FIG.4

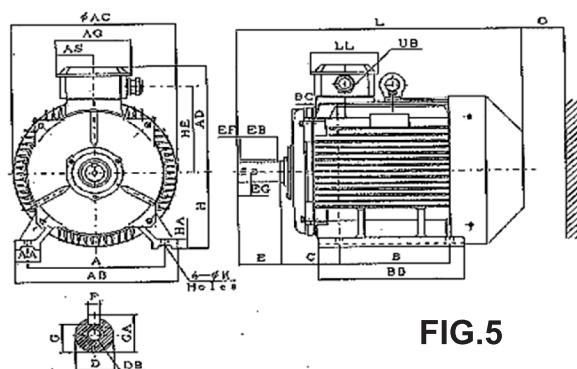


FIG.5

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
80M	108	10	293	104	29	M25x1.5	19	40	36	...	16	6	15.5	21.5	M6	6204-2RZ C3	6204-2RZ C3
90S	114	10	326	110	31	M25x1.5	24	50	45	...	19	8	20	27	M8	6205-2RZ C3	6205-2RZ C3
90L	114	10	351	110	31	M25x1.5	24	50	45	...	19	8	20	27	M8	6205-2RZ C3	6205-2RZ C3
100L	131	12	379	110	37	M25x1.5	28	60	50	...	22	8	24	31	M10	6206-2RZ C3	6206-2RZ C3
112M	144	12	402	118	42	2-M30x1.5	28	60	50	...	22	8	24	31	M10	6206-2RZ C3	6206-2RZ C3
132S	163	12	465	120	50	M25x1.5	38	80	70	5	28	10	33	41	M12	6308-2Z/C3/Z1	6308-2Z/C3/Z1
132M	163	12	505	120	50	M25x1.5	38	80	70	5	28	10	33	41	M12	6308-2Z/C3/Z1	6308-2Z/C3/Z1
160M	202	15	615	160	52	M32x1.5	42	110	100	5	36	12	37	45	M16	6309-2Z/C3/Z1	6309-2Z/C3/Z1
160L	202	15	659	160	52	M32x1.5	42	110	100	5	36	12	37	45	M16	6309-2Z/C3/Z1	6309-2Z/C3/Z1
180M	224	15	690	160	62	M32x1.5	48	110	100	5	36	14	42.5	51.5	M16	6311/C3/Z1	6311/C3/Z1
180L	224	15	730	160	62	M32x1.5	48	110	100	5	36	14	42.5	51.5	M16	6311/C3/Z1	6311/C3/Z1
200L	246	19	760	199	64	M50x1.5	55	110	100	5	42	16	49	59	M20	6312/C3/Z1	6312/C3/Z1
225SC	271	19	810	199	70	M50x1.5	60	140	125	7.5	42	18	53	64	M20	6313/C3/Z1	6313/C3/Z1
225MA	271	19	805	199	70	M50x1.5	55	110	100	5	42	16	49	59	M20	6313/C3/Z1	6313/C3/Z1
225MC	271	19	835	199	70	M50x1.5	60	140	125	7.5	42	18	53	64	M20	6313/C3/Z1	6313/C3/Z1

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48 : k6 ; c) Φ 55-95 : m6
2. Tolerance of shaft center high H : a) Fr#80M-250M: +0, -0.5; b) Fr#280S/M: -355 M/L : +0, -1

Dimensions

Outline Dimension

Foot Mounted

Motor Type: AEEVX3

Frame Size: 250M to 355M,355L

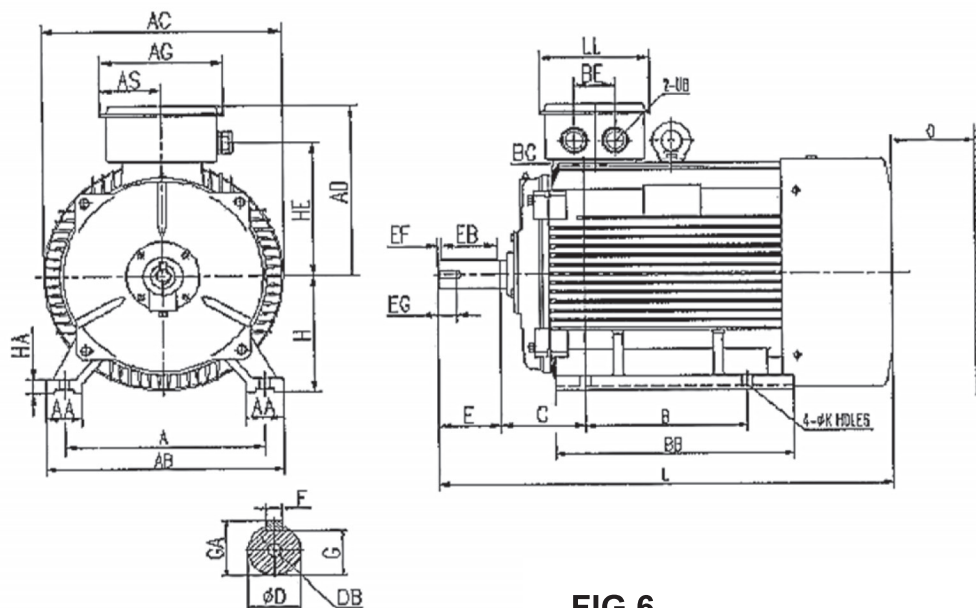


FIG.6

Output (kW)				FRAME SIZE	FIG. NO	A	AA	AB	AC	AD	AG	AS	B	B1	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	...																				
55	...	...	...	250MA	5	406	80	485	485	367.5	249	124.5	349	...	...	...	...	445	44	...	168	250	30
...	55	37	...	250MC		406	80	485	485	367.5	249	124.5	349	...	...	...	...	445	44	...	168	250	30
75	...	...	...	280SA		457	85	545	550	393.5	249	124.5	368	...	...	...	...	490	25.5	...	190	280	35
...	75	45	...	280SB		457	85	545	550	393.5	249	124.5	368	...	...	...	...	490	25.5	...	190	280	35
90	...	...	...	280MA		457	85	545	550	393.5	249	124.5	419	...	...	...	...	540	25.5	...	190	280	35
...	90	55	...	280MB		457	85	545	550	393.5	249	124.5	419	...	...	...	...	540	25.5	...	190	280	35
110	...	...	...	315SA	6	508	120	630	620	510	318	144	406	...	...	...	...	570	50	106	216	315	45
...	110	75	...	315SB		508	120	630	620	510	318	144	406	...	...	...	...	570	50	106	216	315	45
132	...	...	...	315MA		508	120	630	620	510	318	144	457	...	...	...	...	680	50	106	216	315	45
...	132	90	...	315MB		508	120	630	620	510	318	144	457	...	...	...	...	680	50	106	216	315	45
160	...	...	...	315LA		508	120	630	620	510	318	144	508	...	...	...	...	680	50	106	216	315	45
...	160	110	...	315LB		508	120	630	620	510	318	144	508	...	...	...	...	680	50	106	216	315	45
...	200	132	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250	...	...	...	355MA	7	610	120	730	710	590	408	184	560	630	...	...	...	750	30	130	254	355	52
...	250	160	...	355MB		610	120	730	710	590	408	184	560	630	...	...	...	750	30	130	254	355	52
...	...	...	...	355LA		610	120	730	710	590	408	184	560	630	...	...	...	750	30	130	254	355	52
...	315	250	...	355LB		610	120	730	710	590	408	184	560	630	...	...	...	750	30	130	254	355	52

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48 : k6 ; c) Φ 55-95 : m6

2. Tolerance of shaft center high H : a) Fr#180M-250M: +0, -0.5; b) Fr#280S/M: -355 M/L : +0, -1

Dimensions

Outline Dimension

Foot Mounted

Motor Type: AEEVX3

Frame Size: 250M to 355M,355L

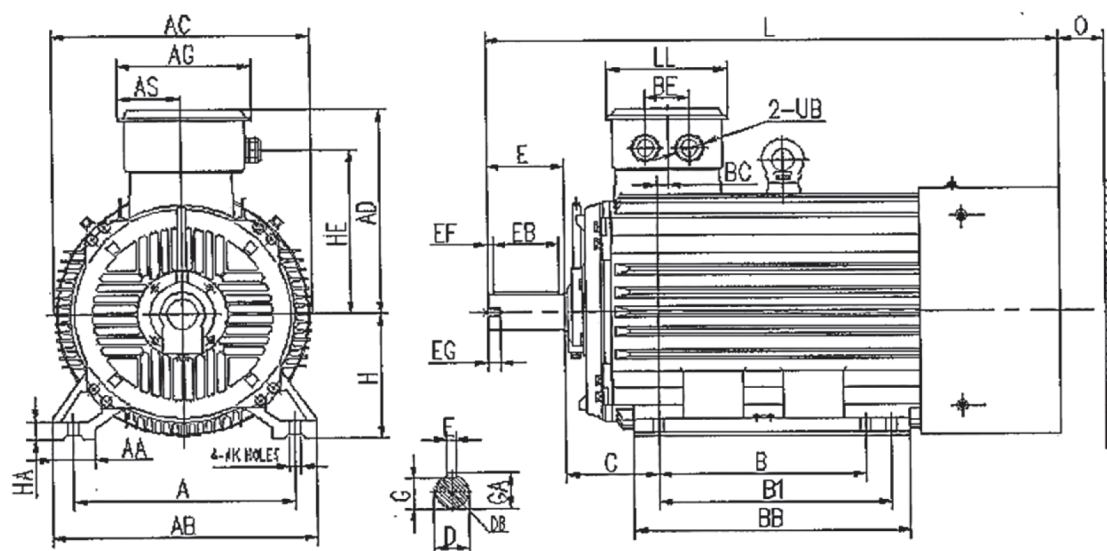


FIG.7

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
250MA	292	24	910	224	70	M63x1.5	60	140	125	7.5	42	18	53	64	M20	6314/C3/Z1	6314/C3/Z1
250MC	292	24	910	224	70	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6314/C3/Z1	6314/C3/Z1
280SA	321	24	992	224	80	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6314/C3/Z1	6314/C3/Z1
280SB	321	24	1005	224	80	M63x1.5	75	140	125	7.5	42	20	67.5	79.5	M20	6317/C3/Z1	6317/C3/Z1
280MA	321	24	1047	224	80	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6314/C3/Z1	6314/C3/Z1
280MB	321	24	1060	224	80	M63x1.5	75	140	125	7.5	42	20	67.5	79.5	M20	6317/C3/Z1	6317/C3/Z1
315SA	421	28	1185	288	230	2-M63x1.5	65	140	125	7.5	45	18	58	69	M20	6317C3	6317C3
315SB	421	28	1215	288	230	2-M63x1.5	80	170	160	5	45	22	71	85	M20	6319C3	6319C3
315MA	421	28	1295	288	230	2-M63x1.5	65	140	125	7.5	45	18	58	69	M20	6317C3	6317C3
315MB	421	28	1325	288	230	2-M63x1.5	80	170	160	5	45	22	71	85	M20	6319C3	6319C3
315LA	421	28	1295	288	230	2-M63x1.5	65	140	125	7.5	45	18	58	69	M20	6317C3	6317C3
315LB	421	28	1325	288	230	2-M63x1.5	80	170	160	5	45	22	71	85	M20	6319C3	6319C3
355MA	486	28	1526	372	230	2-M72x2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355MB	486	28	1556	372	230	2-M72x2	95	170	140	5	45	25	86	100	M24	6322C3	6320C3
355LA	486	28	1526	372	230	2-M72x2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355LB	486	28	1556	372	230	2-M72x2	95	170	140	5	45	25	86	100	M24	6322C3	6320C3

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48 : k6 ; c) Φ 55-95 : m6

2. Tolerance of shaft center high H : a) Fr#180M-250M: +0, -0.5; b) Fr#280S/M: -355 M/L : +0, -1

Dimensions

Outline Dimension

Foot Mounted

Motor Type: AEEVX3 (Terminal box at side)

Frame Size: 80M to 132M

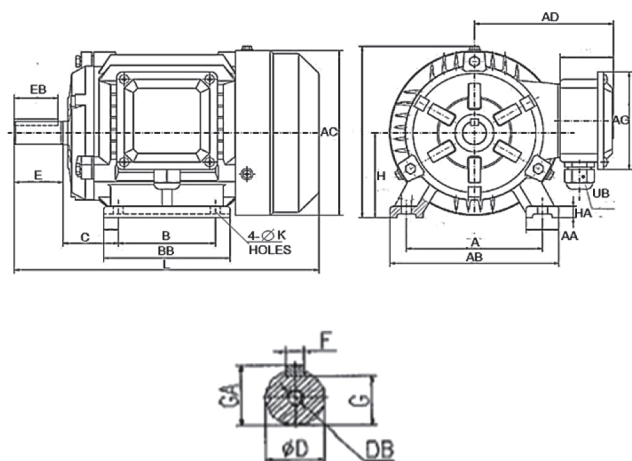


FIG.1

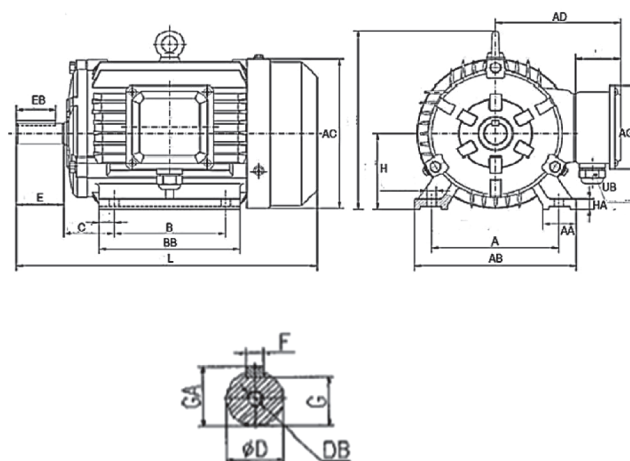


FIG.2

Output (kW)				FRAME SIZE	FIG. NO	A	AA	AB	AC	AD	AG	AS	B	B1	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																				
0.75	0.55	0.55	...	80M	1	125	36	162	157	141	104	...	100	...	...	...	...	130	...	...	50	80	12
1.1	0.75	...	...	90S		140	36	175	175	143	104	...	100	...	...	...	...	132	...	...	56	90	14
2.2	1.5	1.1	...	90L		140	36	175	175	143	104	...	125	...	...	...	...	157	...	...	56	90	14
3	2.2	3	1.5	100L	2	160	42	204	197	164	110	...	140	...	...	...	...	178	...	...	63	100	14
4	4	2.2	...	112M	3	190	49	240	219	182	117	...	140	...	...	...	...	176	...	...	70	112	18
5.5	5.5	3	...	132S		216	60	270	258	203	127	...	140	...	...	...	...	200	...	...	89	132	20
7.5	...	...	...	132M		216	60	270	258	203	127	...	178	...	...	...	...	236	...	...	89	132	20

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48
2. Tolerance of shaft center high H : a) Fr#80M-132M: +0, -0.5;

Dimensions

Outline Dimension

Foot Mounted

Motor Type: AEEVX3 (Terminal box at side)

Frame Size: 80M to 132M

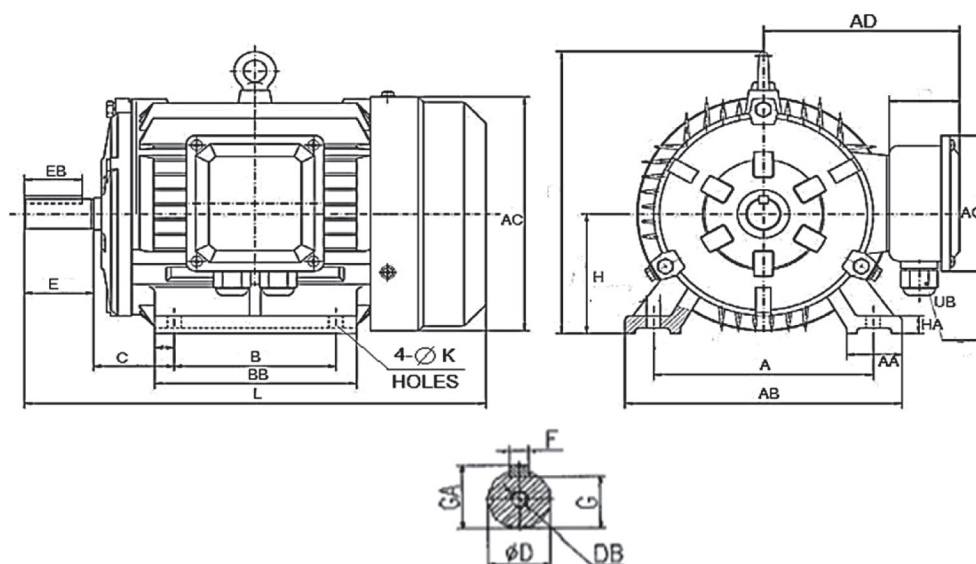


FIG.3

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
80M	...	10	293	...	...	M25x1.5	19	40	36	...	...	6	15.5	21.5	M6	6204-2RZ C3	6204-2RZ C3
90S	...	10	326	...	...	M25x1.5	24	50	45	...	...	8	20	27	M8	6205-2RZ C3	6205-2RZ C3
90L	...	10	351	...	...	M25x1.5	24	50	45	...	...	8	20	27	M8	6205-2RZ C3	6205-2RZ C3
100L	...	12	381	...	...	M25x1.5	28	60	50	...	...	8	24	31	M10	6206-2RZ C3	6206-2RZ C3
112M	...	12	402	...	...	2-M30x1.5	28	60	50	...	...	8	24	31	M10	6206-2RZ C3	6206-2RZ C3
132S	...	12	472	...	...	2-M30x1.5	38	80	63	...	...	10	33	39	M12	6208-2Z/C3/Z1	6208-2Z/C3/Z1
132M	...	12	510	...	...	2-M30x1.5	38	80	63	...	...	10	33	39	M12	6208-2Z/C3/Z1	6208-2Z/C3/Z1

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48
2. Tolerance of shaft center high H : a) Fr#80M-132M: +0, -0.5;

Dimensions

Outline Dimension

Flange Mounted

Motor Type: AEUVX3

Frame Size: 80M to 225M

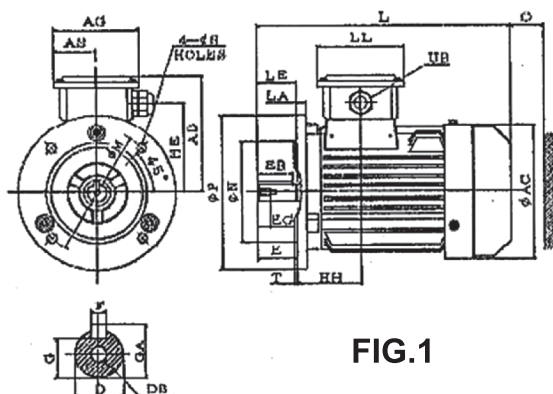


FIG.1

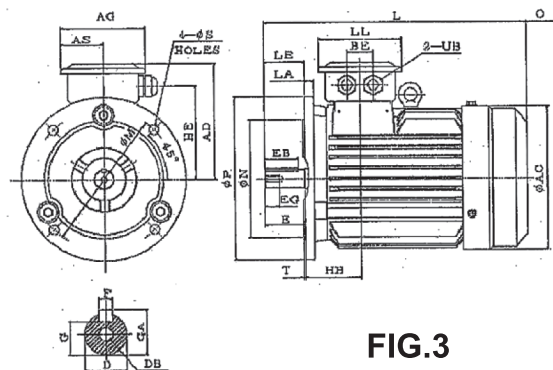


FIG.3

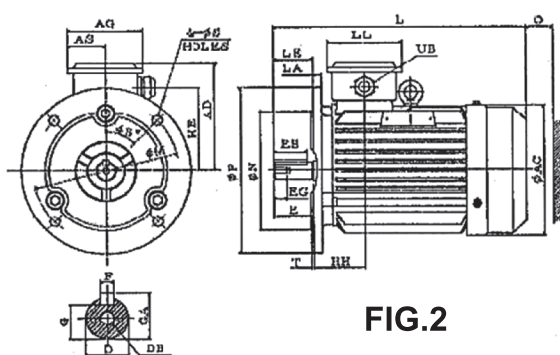


FIG.2

Output (kW)				FRAME SIZE	FIG. NO	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH
2P	4P	6P				LA	LE	M	N	P	S	T							
0.75	0.55	...	...	80M	1	12	40	165	130	200	12	3.5	157	141	104	52	...	108	68
1.1	0.75	0.55	...	90S		12	50	165	130	200	12	3.5	175	147	110	55	...	114	82
2.2	1.5	1.1	...	90L		12	50	165	130	200	12	3.5	175	147	110	55	...	114	82
3	2.2	1.5	...	100L	2	13	60	215	180	250	14.5	4	197	164	110	55	...	131	76
...	3	...	...	112M	3	13	60	215	180	250	14.5	4	219	183	126	63	42	144	88.5
5.5	5.5	3	...	132S	4	15	80	265	230	300	14.5	4	258	211	126	63	42	168	91.5
7.5	...	...	...	132M		15	80	265	230	300	14.5	4	258	211	126	63	42	168	91.5
...	7.5	4	...	132M		15	80	265	230	300	14.5	4	258	211	126	63	42	168	91.5

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48 : k6 ; c) Φ 55-95 : m6

2. Tolerance of N F# 80-180 : j6 , F#200-355 : js6

Dimensions

Outline Dimension

Flange Mounted

Motor Type: AEUVX3

Frame Size: 80M to 225M

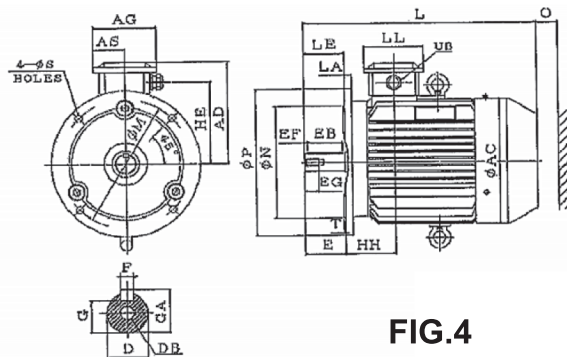


FIG.4

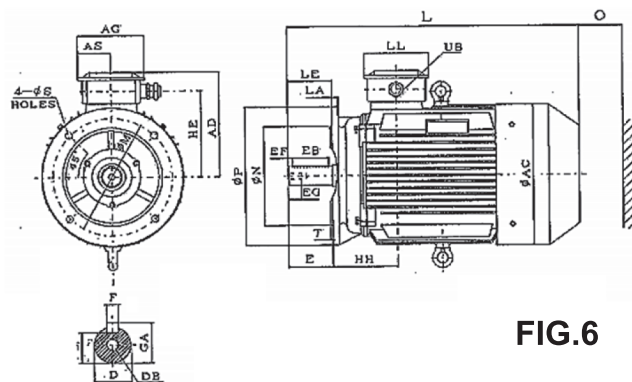


FIG.6

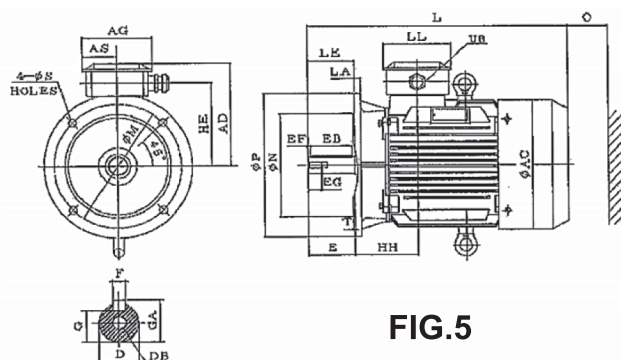


FIG.5

FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION									BEARING	
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
80M	293	104	29	M25x1.5	19	40	36	...	16	6	15.5	21.5	M6	6204-2RZ C3	6204-2RZ C3
90S	326	110	31	M25x1.5	24	50	45	...	19	8	20	27	M8	6205-2RZ C3	6205-2RZ C3
90L	351	110	31	M25x1.5	24	50	45	...	19	8	20	27	M8	6205-2RZ C3	6205-2RZ C3
100L	379	110	37	M25x1.5	28	60	50	...	22	8	24	31	M10	6206-2RZ C3	6206-2RZ C3
112M	402	118	42	2-M30x1.5	28	60	50	...	22	8	24	31	M10	6206-2RZ C3	6206-2RZ C3
132S	462	118	45	M30x1.5	38	80	63	...	28	10	33	41	M12	6208-2RZ C3	6208-2RZ C3
132M	508	118	45	M30x1.5	38	80	63	...	28	10	33	41	M12	6208-2RZ C3	6208-2RZ C3

Note:

1. Tolerance of shaft end diameter D: a) Φ 19-28 : j6 ; b) Φ 38-48 : k6 ; c) Φ 55-95 : m6
2. Tolerance of N F# 80-180 : j6 , F#200-355 : js6

Dimensions

Outline Dimension

Flange Mounted

Motor Type: AEUVX3

Frame Size: 250M to 355M

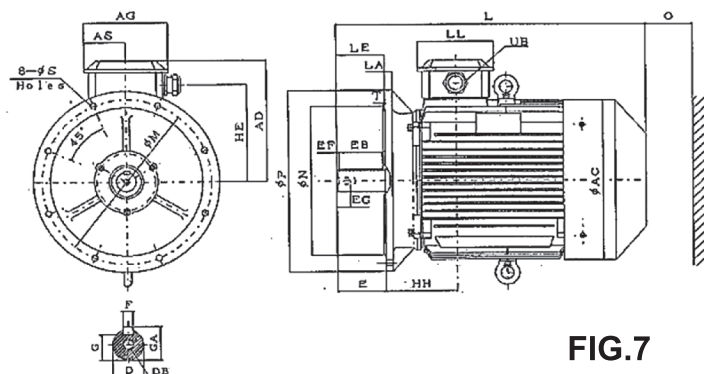


FIG.7

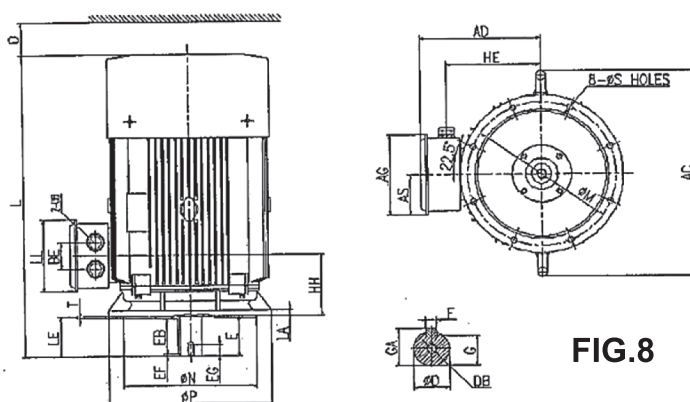


FIG.8

Output (kW)				FRAME SIZE	FIG. NO	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH
2P	4P	6P				LA	LE	M	N	P	S	T							
55	...	...	...	250MA	7	22	140	500	450	550	19	5	490	367.5	249	124.5	...	292	212
...	55	37	...	250MC		22	140	500	450	550	19	5	490	367.5	249	124.5	...	292	212
75	...	...	...	280SA		22	140	500	450	550	19	5	550	393.5	249	124.5	...	321	215.5
...	75	45	...	280SB		22	140	500	450	550	19	5	550	393.5	249	124.5	...	321	215.5
90	...	...	...	280MA		22	140	500	450	550	19	5	550	393.5	249	124.5	...	321	215.5
...	90	55	...	280MB		22	140	500	450	550	19	5	550	393.5	249	124.5	...	321	215.5
110	...	...	...	315SA	8	22	140	600	550	660	24	6	865	510	318	144	106	421	257
...	110	75	...	315SB		22	170	600	550	660	24	6	865	510	318	144	106	421	257
132	...	...	...	315MA		22	140	600	550	660	24	6	865	510	318	144	106	421	257
...	132	90	...	315MB		22	170	600	550	660	24	6	865	510	318	144	106	421	257
160	...	...	...	315LA		22	140	600	550	660	24	6	865	510	318	144	106	421	257
...	160	110	...	315LB		22	170	600	550	660	24	6	865	510	318	144	106	421	257
...	200	132	...																
250	...	...	...	355MA	9	25	140	740	680	800	24	6	970	590	408	184	130	486	289
...	250	160	...	355MB		25	170	740	680	800	24	6	970	590	408	184	130	486	289
...	...	200	...																
315	...	...	...	355LA		25	140	740	680	800	24	6	970	590	408	184	130	486	289
...	315	250	...	355LB		25	170	740	680	800	24	6	970	590	408	184	130	486	289

Note:

1. Tolerance of shaft end diameter D: a) $\Phi 48 : k6$; b) Under $\Phi 55 - \Phi 65 : m6$

2. Tolerance of N F# 80-180 : j6 , F#200-355 : js6

Dimensions

Outline Dimension

Flange Mounted

Motor Type: AEUVX3

Frame Size: 250M to 355M

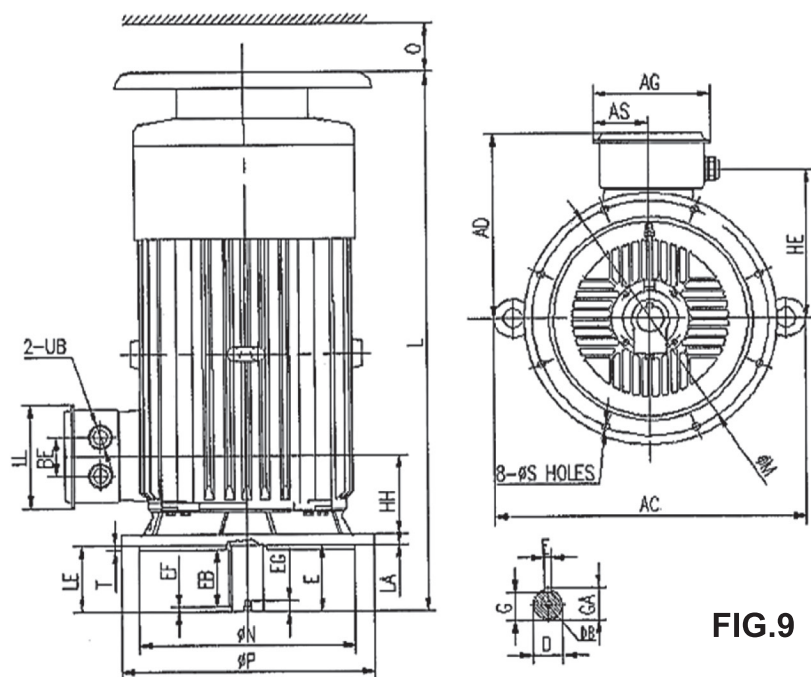


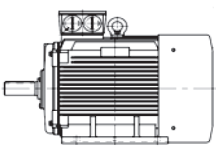
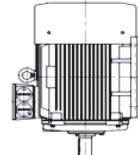
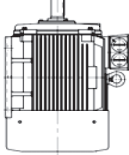
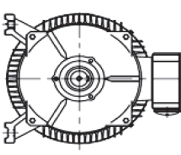
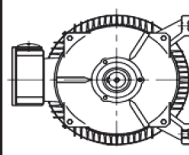
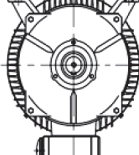
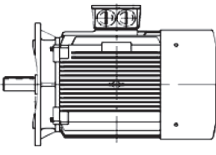
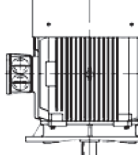
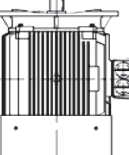
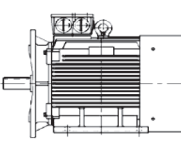
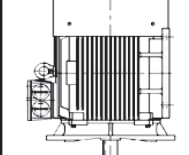
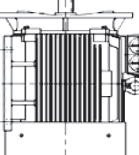
FIG.9

FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION									BEARING	
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
250MA	910	224	70	M63x1.5	60	140	125	7.5	42	18	53	64	M20	6314/C3/Z1	6314/C3/Z1
250MC	910	224	70	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6314/C3/Z1	6314/C3/Z1
280SA	992	224	80	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6314/C3/Z1	6314/C3/Z1
280SB	1005	224	80	M63x1.5	75	140	125	7.5	42	20	67.5	79.5	M20	6317/C3/Z1	6317/C3/Z1
280MA	1047	224	80	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6314/C3/Z1	6314/C3/Z1
280MB	1060	224	80	M63x1.5	75	140	125	7.5	42	20	67.5	79.5	M20	6317/C3/Z1	6317/C3/Z1
315SA	1185	288	230	2-M63x1.5	65	140	125	7.5	45	18	58	69	M20	6317C3	6317C3
315SB	1215	288	230	2-M63x1.5	80	170	160	5	45	22	71	85	M20	6319C3	6319C3
315MA	1295	288	230	2-M63x1.5	65	140	125	7.5	45	18	58	69	M20	6317C3	6317C3
315MB	1325	288	230	2-M63x1.5	80	170	160	5	45	22	71	85	M20	6319C3	6319C3
315LA	1295	288	230	2-M63x1.5	65	140	125	7.5	45	18	58	69	M20	6317C3	6317C3
315LB	1325	288	230	2-M63x1.5	80	170	160	5	45	22	71	85	M20	6319C3	6319C3
355MA	1620	372	230	2-M72x2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355MB	1650	372	230	2-M72x2	95	170	140	5	45	25	86	100	M24	6322C3	6320C3
355LA	1620	372	230	2-M72x2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3
355LB	1650	372	230	2-M72x2	95	170	140	5	45	25	86	100	M24	6322C3	6320C3

Note:

1. Tolerance of shaft end diameter D: a) $\Phi 48$: k6 ; b) Under $\Phi 55$ - $\Phi 65$: m6
2. Tolerance of N F# 80-180 : j6 , F#200-355 : js6

International Mounting Code (IM)

Foot-Mounted					
					
IM B3 (IM 1001)	IM V5 (IM 1011)	IM V6 (IM 1031)	IM B6 (IM 1051)	IM B7 (IM 1061)	IM B8 (IM 1071)
Flange-Mounted			Foot & Flange Mounted		
					
IM B5 (IM 3001)	IM V1 (IM 3011)	IM V3 (IM 3031)	IM B35 (IM 2001)	IM V15 (IM 2011)	IM V35 (IM 2031)

About TECO

TECO Singapore provides a total solution of motors and drives ever since it was established in 1972.

TECO Westinghouse Motor Company comprises the experience of Westinghouse, a leader in the motor industry since 1888 and TECO, a multinational conglomerate with over 50 years of motor experience. TECO Singapore itself was established in 1972 and has also set-up subsidiaries in Thailand, Malaysia, Indonesia, Vietnam and India.

By realizing the potential for precision products, especially in electronic and electrical equipment, TECO embarked a foothold in Singapore and becomes a hub for manufacturing and distribution of Electric Motors for the entire South-East Asia since 1972. TECO Singapore has established overseas manufacturing facilities and offices in Thailand, Malaysia, Indonesia, Vietnam and India.

Today, TECO is the one of the top 5 motor manufacturers in the world. Our motors are widely deployed in the industrial sectors and government projects including Singapore Mass Rapid Transit (SMRT), Land Transport Authority (LTA), Public Utilities Board (PUB), Housing Development Board (HDB) and Jurong Town Council (JTC) and Changi Airport.