



TECO MOTORS ROTATE THE WORLD

プレミアムモータ Premium Motor



AEHF/AEUF シリーズ

トップランナー基準 (IE3) 対応



TECO プレミアムモータ

2010年12月19日から発効された米国 EISA 法に適合した NEMA PREMIUM (IE3), アメリカ・カナダ、欧州向けの IE3 モータを販売中。

研究開発、技術力を蓄積し、高効率モータは、年間十数万台の量産体制を構築しておりますので、競争力ある高効率モータシリーズを提供致します。

銅損

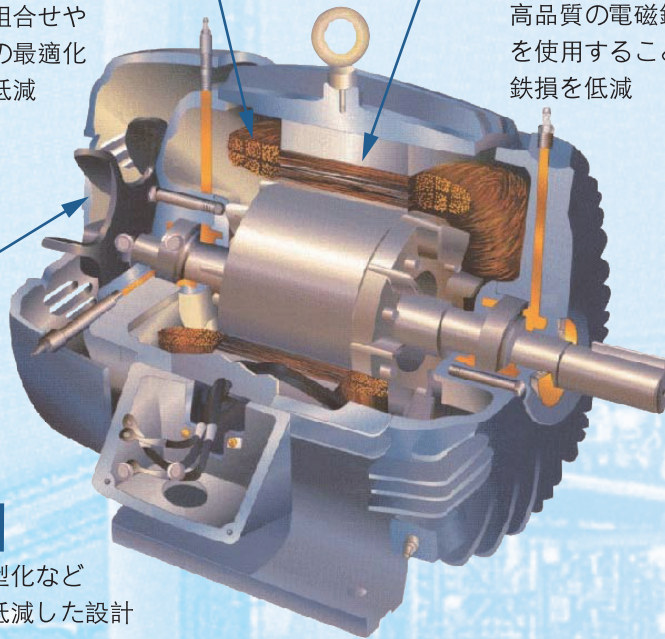
コイルの組合せや鉄心形状の最適化で銅損を低減

鉄損

高品質の電磁鋼板を使用することで鉄損を低減

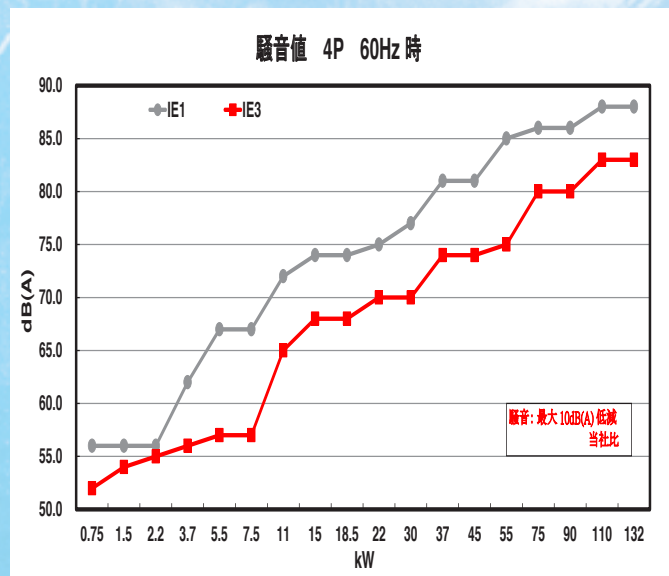
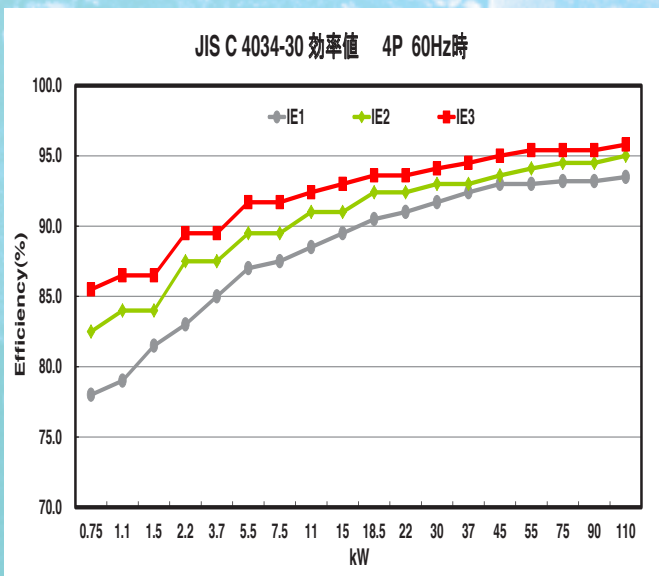
機械損

外扇の小型化など機械損を低減した設計



プレミアムモータの効率

プレミアムモータの騒音



TECO プレミアムモータ 標準仕様表

型式	AEHF
規格	JIS C 4034:2011 JIS C 4213:2014 JEC2137-2000
出力	0.2kW ~ 132kW
極数	2, 4, 6
電圧/周波数	200V/200V/220V または 400/400/440V (その他異電圧対応)
	50Hz / 60Hz
定格	連続 S1, S.F. : 1.15 at 60Hz (S.F. : 1.0 at 50Hz)
銘版	TECO ロゴ 英文記載 ステンレス材質
枠番	63 ~ 280 M
材質	鋳物製フレーム
取付	脚付き横型 IM 1001
保護	全閉外扇形 IP44 屋内 (屋外シリーズ有)
冷却	外被表面冷却自力形 JC4 IC411
使用環境	周温 - 15 ~ 40℃ 湿度 90%以下、標高 1000m 以下
回転方向	軸端より見て反時計方向 (CCW)
軸端形状	キー溝、 キー付
軸受給油	非給油 枠番 225(55KW - 4P) 以下シールドタイプ使用
	ニップル給油 枠番 250 (55KW - 6P) 以上
グリース	マルテンプ SRL
端子箱	軸側より見て左に設置
	向きは 90 度ごと方向変更可能
リード線	3.7kW 以下 3 本 直入始動
	5.5kW 以上 6 本 または 12 本 直入・スターデルタ始動可
端子	リード線圧着端子ラグ式 (オプションで、端子台方式対応有)
絶縁種別	F 種
塗色	マンセル 10G 5/10

その他フランジ立型タイプ及び脚付きフランジタイプも、シリーズ化しております。

特性表 (三定格)

AEHF / AEUF

出力		極数	電圧	Hz	枠番	定格 回転数 RPM	効率			力率			電流		トルク				回転子 GD ² kg-m ²	
HP	kW						負荷 100% (%)	負荷 75% (%)	負荷 50% (%)	負荷 100% (%)	負荷 75% (%)	負荷 50% (%)	定格 (A)	始動 (A)	定格 kg-m	始動 %FLT	プルアップ %FLT	最大 %FLT		IE CODE
1	0.75	2	200	50	80	2865	81.5	82.5	81.5	83.0	75.5	61.5	3.20	25	0.255	280	270	340	IE3	0.006
			200	60		3435	82.0	82.5	81.0	86.5	81.5	70.5	3.05	23	0.213	275	250	310	IE3	
			220	60		3470	83.0	83.5	81.5	82.5	75.0	62.5	2.87	25	0.211	335	300	380	IE3	
		4	200	50	80	1445	83.5	83.0	81.0	72.0	62.5	48.0	3.60	28	0.506	400	350	400	IE3	0.013
			200	60		1730	85.5	85.5	84.5	77.0	68.5	55.0	3.29	26	0.422	350	300	360	IE3	
			220	60		1745	85.5	85.0	83.0	71.0	61.5	48.0	3.24	29	0.419	420	360	430	IE3	
		6	200	50	90L	940	81.0	82.5	81.0	71.0	62.5	49.0	3.76	20	0.777	210	190	245	IE3	0.022
			200	60		1130	82.5	84.0	83.5	76.0	69.5	57.0	3.45	17	0.646	170	150	210	IE3	
			220	60		1145	84.0	84.5	83.0	70.0	62.0	49.0	3.35	19	0.638	200	185	270	IE3	
2	1.5	2	200	50	90L	2895	85.5	87.0	86.5	85.0	78.0	65.0	5.96	53	0.505	285	270	365	IE3	0.012
			200	60		3480	86.0	87.0	87.0	87.5	83.0	73.0	5.75	49	0.420	255	245	320	IE3	
			220	60		3500	86.5	87.0	86.5	84.5	78.0	66.5	5.39	54	0.417	310	300	385	IE3	
		4	200	50	90L	1450	86.0	86.0	84.5	76.0	67.5	54.0	6.63	53	1.008	310	260	350	IE3	0.023
			200	60		1740	86.5	88.0	88.0	83.0	77.5	66.0	6.03	46	0.840	240	205	325	IE3	
			220	60		1750	87.5	88.0	87.0	77.5	69.5	56.5	5.80	51	0.835	295	250	395	IE3	
		6	200	50	100L	965	86.0	86.5	85.5	66.0	57.0	44.5	7.63	45	1.514	200	190	270	IE3	0.059
			200	60		1155	88.5	88.0	87.5	71.0	65.0	53.0	6.89	40	1.265	160	150	225	IE3	
			220	60		1165	88.6	88.0	86.5	66.0	58.0	45.5	6.73	44	1.254	200	190	280	IE3	
3	2.2	2	200	50	90L	2905	86.0	87.5	86.5	83.0	75.0	62.5	8.90	78	0.738	310	295	420	IE3	0.014
			200	60		3485	87.0	88.0	87.5	87.5	82.5	72.0	8.34	73	0.615	260	250	370	IE3	
			220	60		3510	87.5	88.5	87.0	83.5	76.5	64.5	7.90	80	0.610	310	300	450	IE3	
		4	200	50	100L	1455	87.5	87.5	86.0	76.5	67.0	54.0	9.49	89	1.473	415	310	420	IE3	0.050
			200	60		1750	89.5	90.0	89.0	82.5	76.0	64.0	8.60	86	1.224	320	225	350	IE3	
			220	60		1760	89.7	89.0	87.5	77.0	68.5	55.5	8.36	95	1.218	390	270	430	IE3	
		6	200	50	112M	970	87.0	87.5	86.0	68.0	60.5	48.0	10.7	65	2.209	180	175	280	IE3	0.084
			200	60		1160	89.5	90.0	89.0	73.0	67.5	57.0	9.72	52	1.847	135	125	230	IE3	
			220	60		1170	89.6	89.5	87.0	68.0	61.0	49.0	9.48	57	1.831	170	160	280	IE3	
5	3.7	2	200	50	112M	2920	88.5	89.5	89.5	90.0	87.0	79.0	13.4	130	1.234	270	250	410	IE3	0.046
			200	60		3505	88.5	89.5	89.0	92.0	89.5	84.0	13.1	125	1.028	250	195	345	IE3	
			220	60		3525	88.7	90.0	89.5	90.0	86.5	78.5	12.2	138	1.022	305	240	420	IE3	
		4	200	50	112M	1445	88.6	89.5	89.5	83.0	78.5	67.5	14.5	120	2.494	230	190	305	IE3	0.083
			200	60		1735	89.5	90.5	91.0	85.5	83.0	75.0	14.0	110	2.077	200	145	255	IE3	
			220	60		1750	90.0	90.5	90.5	83.0	78.5	68.5	13.0	121	2.059	235	175	315	IE3	
		6	200	50	132S	965	87.5	88.0	88.0	77.5	72.0	60.0	15.8	110	3.735	195	180	270	IE3	0.154
			200	60		1160	89.5	90.2	90.0	80.5	76.5	67.0	14.8	90	3.107	150	135	225	IE3	
			220	60		1165	89.6	90.3	90.0	78.0	72.0	60.5	13.9	99	3.093	180	165	280	IE3	
7.5	5.5	2	200	50	132S	2935	90.5	91.5	91.0	85.5	81.0	73.0	20.5	165	1.825	230	185	305	IE3	0.075
			200	60		3520	90.5	91.0	90.5	87.0	85.0	80.0	20.2	140	1.522	200	145	255	IE3	
			220	60		3540	91.0	91.5	90.5	85.5	82.5	74.0	18.6	154	1.513	235	175	305	IE3	
		4	200	50	132S	1470	91.0	91.0	90.0	78.5	70.5	58.0	22.2	205	3.644	330	260	375	IE3	0.143
			200	60		1765	92.0	92.5	91.5	84.5	79.5	69.5	20.4	175	3.035	290	210	325	IE3	
			220	60		1770	92.1	92.0	91.0	80.0	73.0	60.5	19.6	193	3.027	355	255	395	IE3	
		6	200	50	132M	970	89.0	89.5	88.5	74.0	66.0	53.0	24.1	180	5.523	225	215	335	IE3	0.217
			200	60		1165	91.0	91.0	90.5	80.5	75.5	65.0	21.7	144	4.598	175	160	275	IE3	
			220	60		1175	91.1	91.2	90.0	75.0	68.0	55.0	21.1	158	4.559	230	210	345	IE3	
10	7.5	2	200	50	132S	2915	90.5	91.5	90.5	83.5	80.0	70.5	28.7	215	2.506	280	245	325	IE3	0.075
			200	60		3505	91.0	91.5	91.5	88.0	86.5	81.0	27.0	180	2.084	235	190	270	IE3	
			220	60		3525	91.5	91.5	91.0	86.0	82.5	74.0	25.0	198	2.072	285	235	330	IE3	
		4	200	50	132M	1465	91.0	91.5	91.0	82.0	75.5	64.0	29.0	260	4.986	315	250	375	IE3	0.173
			200	60		1765	92.0	92.5	92.0	87.0	83.0	75.0	27.0	230	4.139	270	200	310	IE3	
			220	60		1770	92.5	92.5	91.5	83.5	77.5	67.0	25.5	253	4.127	325	240	375	IE3	
		6	200	50	160M	970	90.0	90.5	90.0	79.0	73.5	61.5	30.5	220	7.531	270	235	280	IE3	0.484
			200	60		1165	91.0	91.5	91.0	81.0	77.0	68.0	29.4	190	6.270	225	190	235	IE3	
			220	60		1175	91.7	92.0	91.0	79.0	73.5	62.5	27.2	209	6.217	280	235	285	IE3	
15	11	2	200	50	160M	2935	91.7	92.5	92.0	90.5	89.0	84.0	38.3	290	3.650	230	185	270	IE3	0.183
			200	60		3520	91.0	91.5	91.0	91.0	90.5	87.0	38.3	260	3.044	195	160	235	IE3	
			220	60		3540	92.0	92.0	91.5	90.5	89.0	84.0	34.7	286	3.027	240	190	285	IE3	
		4	200	50	160M	1470	92.0	92.5	91.5	81.0	74.5	63.0	42.6	340	7.288	270	220	325	IE3	0.367
			200	60		1765	92.4	93.0	92.5	86.0	82.5	74.0	40.0	300	6.070	235	180	270	IE3	
			220	60		1770	93.0	93.0	92.5	82.5	77.0	66.5	37.6	330	6.053	285	215	330	IE3	
		6	200	50	160L	970	90.3	91.0	90.8	79.5	74.0	63.0	44.2	320	11.05	295	255	285	IE3	0.630
			200	60		1160	91.7	91.5	91.3	82.0	80.0	72.0	42.2	280	9.236	235	200	240	IE3	
			220	60		1170	91.8	92.0	91.5	80.0	75.0	64.0	39.3	308	9.157	280	240	290	IE3	

特性表(三定格)

AEHF / AEUF

出力		極数	電圧	Hz	枠番	定格 回転数 RPM	効率			力率			電流		トルク			IE CODE	回転子 GD ² kg-m ²			
HP	kW						負荷 100% (%)	負荷 75% (%)	負荷 50% (%)	負荷 100% (%)	負荷 75% (%)	負荷 50% (%)	定格 (A)	始動 (A)	定格 kg-m	始動 %FLT	プルアップ %FLT			最大 %FLT		
20	15	2	200	50	160M	2945	92.0	92.5	92.0	90.0	86.0	80.5	52.3	465	4.961	280	230	330	IE3	0.205		
			200	60		3535	92.5	92.5	92.0	91.0	90.0	86.0	51.4	400	4.133	240	195	285	IE3			
			220	60		3550	93.0	93.0	92.0	90.0	87.5	81.0	47.0	440	4.115	295	235	350	IE3			
		200	50	160L	1470	92.4	93.0	92.5	83.0	78.0	67.5	56.5	475	9.939	295	255	315	IE3	0.460			
		200	60		1765	93.0	93.5	92.5	87.0	84.0	75.5	53.5	400	8.278	250	220	270	IE3				
		220	60		1770	93.2	93.5	93.0	84.0	79.5	69.5	50.3	440	8.254	300	270	325	IE3				
	200	50	180M	975	91.2	92.0	92.5	82.5	78.5	68.5	57.6	385	14.985	240	185	255	IE3	1.342				
	200	60		1170	91.7	92.0	92.5	84.0	82.5	77.0	56.2	330	12.487	200	155	205	IE3					
	220	60		1175	92.0	93.0	92.8	83.0	79.5	70.0	51.6	363	12.434	250	195	250	IE3					
	25	18.5	2	200	50	160L	2935	92.4	93.0	92.5	90.0	86.5	78.5	64.2	570	6.139	290		235	330	IE3	0.237
				200	60		3530	92.5	93.0	92.5	91.5	90.0	85.5	63.1	500	5.105	250		200	280	IE3	
				220	60		3545	93.0	93.2	92.5	90.0	87.5	81.0	58.0	550	5.083	305		240	345	IE3	
200			50	180M	1475	93.0	93.3	93.0	84.0	79.5	69.5	68.4	520	12.216	265	225	300	IE3	0.707			
200			60		1765	93.6	94.0	94.0	87.5	86.0	80.5	65.2	450	10.209	225	185	250	IE3				
220			60		1775	94.0	94.5	94.0	85.5	82.0	73.5	60.4	495	10.152	275	225	300	IE3				
200		50	180L	980	92.5	93.0	92.5	81.0	75.5	65.0	71.3	550	18.387	285	240	310	IE3	1.725				
200		60		1175	93.0	93.2	92.8	84.0	81.5	73.0	68.4	480	15.335	230	175	255	IE3					
220		60		1180	93.5	93.6	93.0	82.0	77.0	67.0	63.3	528	15.270	280	210	300	IE3					
30		22	2	200	50	180M	2955	93.0	93.5	92.5	90.0	87.5	81.5	75.9	670	7.251	285		265	335	IE3	0.330
				200	60		3550	93.0	93.2	92.5	91.0	90.5	86.0	75.0	595	6.036	235		180	305	IE3	
				220	60		3555	93.5	93.5	92.5	90.0	88.5	81.5	68.6	655	6.028	285		220	370	IE3	
	200		50	180M	1475	93.6	94.0	93.5	81.0	76.5	66.5	83.8	600	14.527	235	190	275	IE3	0.812			
	200		60		1770	94.0	94.5	94.0	85.0	83.0	77.0	79.5	535	12.106	200	155	225	IE3				
	220		60		1780	94.2	94.5	93.5	83.0	79.5	70.5	73.8	589	12.038	245	190	275	IE3				
	200	50	180L	980	92.5	93.0	92.5	77.5	71.0	59.0	88.6	690	21.865	300	250	320	IE3	1.917				
	200	60		1175	93.0	93.2	93.0	84.0	80.0	72.0	81.3	590	18.237	255	205	260	IE3					
	220	60		1180	93.5	93.5	93.0	81.0	75.5	64.5	76.2	649	18.159	320	255	325	IE3					
	40	30	2	200	50	180L	2950	93.5	94.0	93.8	91.0	90.0	85.5	102	870	9.905	270		210	305	IE3	0.434
				200	60		3540	93.0	93.5	93.0	92.5	91.5	89.0	101	760	8.254	230		180	250	IE3	
				220	60		3550	93.6	93.8	93.5	92.0	90.5	86.0	91.4	836	8.231	280		215	305	IE3	
200			50	180L	1475	93.8	94.0	93.5	82.5	78.5	69.5	112	810	19.810	230	160	280	IE3	1.005			
200			60		1770	94.1	94.5	94.0	85.5	84.5	79.5	108	700	16.508	200	160	230	IE3				
220			60		1775	94.5	94.5	94.0	84.0	80.5	72.5	99.2	770	16.462	250	190	270	IE3				
200		50	200L	980	92.9	93.1	92.5	79.5	74.0	63.5	117	800	29.816	250	195	255	IE3	3.140				
200		60		1175	94.1	94.5	94.2	87.0	85.5	79.5	106	655	24.868	205	155	205	IE3					
220		60		1180	94.2	94.1	93.5	84.0	80.5	71.5	99.5	721	24.763	250	185	250	IE3					
50		37	2	200	50	200L	2965	93.7	94.0	93.8	89.0	86.5	81.5	128	1055	12.154	170		155	300	IE3	1.131
				200	60		3560	93.8	94.0	93.0	91.0	90.0	86.0	125	870	10.123	135		125	255	IE3	
				220	60		3565	94.0	94.0	93.5	90.5	89.0	84.0	114	957	10.109	170		155	310	IE3	
	200		50	200L	1480	94.5	95.0	94.5	85.0	81.0	73.5	133	975	24.350	215	185	270	IE3	1.896			
	200		60		1775	94.8	95.0	94.5	87.5	86.0	80.5	129	840	20.303	180	160	220	IE3				
	220		60		1780	95.2	95.2	94.5	86.0	83.0	75.0	119	924	20.246	220	195	270	IE3				
	200	50	200L	980	93.5	93.5	93.0	84.0	80.5	71.5	136	880	36.773	230	185	245	IE3	3.605				
	200	60		1180	94.1	94.5	94.3	87.0	85.5	80.0	130	780	30.541	195	160	200	IE3					
	220	60		1185	94.2	94.5	93.5	85.0	81.5	73.0	121	858	30.412	245	200	240	IE3					
	60	45	2	200	50	200L	2965	94.1	94.5	94.0	90.5	88.0	82.5	153	1290	14.782	185		165	305	IE3	1.300
				200	60		3555	93.8	94.0	93.5	92.0	91.0	88.0	151	1080	12.329	145		135	260	IE3	
				220	60		3560	94.0	94.2	93.5	90.5	90.0	86.0	139	1188	12.312	175		160	300	IE3	
200			50	200L	1480	94.5	95.0	94.5	82.5	78.5	69.5	167	1170	29.615	215	180	290	IE3	2.061			
200			60		1775	95.0	95.0	94.5	87.0	85.0	80.0	157	995	24.693	185	155	225	IE3				
220			60		1780	95.4	95.2	94.5	84.5	81.5	73.5	146	1095	24.624	220	185	275	IE3				
200		50	225S	985	94.0	94.5	94.0	84.0	80.0	71.0	165	1300	44.497	260	235	290	IE3	5.106				
200		60		1180	94.5	94.5	94.0	87.0	85.0	79.0	158	1100	37.144	210	185	225	IE3					
220		60		1185	94.6	94.5	94.0	85.5	81.5	73.0	146	1210	36.987	265	235	275	IE3					
75		55	2	200	50	225S	2965	94.5	95.0	95.0	91.0	90.0	86.5	185	1400	18.067	160		150	305	IE3	1.547
				200	60		3560	94.0	95.0	94.5	91.5	91.0	90.0	185	1190	15.048	135		130	240	IE3	
				220	60		3570	94.5	95.0	94.5	91.0	90.5	87.0	168	1309	15.006	165		160	290	IE3	
	200		50	225S	1485	95.0	95.5	95.0	86.0	83.5	77.0	194	1450	36.074	270	240	275	IE3	3.911			
	200		60		1780	95.4	95.5	95.0	87.5	86.5	82.5	190	1310	30.096	240	215	235	IE3				
	220		60		1785	95.5	95.5	94.5	86.5	84.5	78.5	175	1441	30.011	290	255	260	IE3				

Note:

1. The above are typical values based on test according to JIS C 4034-2-1.
2. Breakdown & Locked rotor torques are show as average expected values.
3. Tolerance According to JIS C 4213.
4. Efficiency, power factor, speed and torque are the same for other voltages. Current values vary inversely with voltage.
5. Data subject to change without notice.

特性表 (TOP RUNNER)

AEHF / AEUF

出力		極数	電圧	Hz	枠番	定格 回転数 RPM	効率			力率			電流		トルク			IE CODE	回転子 GD ² kg-m ²		
HP	kW						負荷 100% (%)	負荷 75% (%)	負荷 50% (%)	負荷 100% (%)	負荷 75% (%)	負荷 50% (%)	定格 (A)	始動 (A)	定格 kg-m	始動 %FLT	プルアップ %FLT			最大 %FLT	
75	55	6	200	50	250S	985	94.1	94.5	94.2	82.5	78.0	69.0	205	1370	54.386	195	165	275	IE3	6.492	
			200	60		1180	94.0	94.5	94.2	86.5	84.5	78.0	195	1150	45.398	155	135	240	IE2		
			220	60		1185	95.0	95.5	94.5	83.0	79.5	71.0	183	1260	45.207	190	165	260	IE3		
100	75	2	200	50	250S	2960	94.7	94.5	94.0	86.5	84.5	78.0	264	1750	24.679	135	115	285	IE3	1.759	
			200	60		3555	94.1	94.0	93.7	90.5	90.0	88.0	254	1500	20.549	115	105	230	IE3		
			220	60		3565	94.5	94.5	94.0	88.5	87.0	82.0	235	1650	20.491	140	120	285	IE3		
		4	200	50	250S	1480	95.0	95.1	94.5	87.0	84.5	77.0	262	1820	49.358	180	135	295	IE3	4.853	
			200	60		1775	95.1	94.5	93.5	89.0	86.0	81.0	256	1700	41.155	170	125	245	IE2		
			220	60		1780	95.4	95.0	93.5	86.0	84.5	78.0	240	1870	41.039	190	150	300	IE3		
	6	200	50	250M	985	94.6	94.5	94.0	85.0	83.0	75.0	269	1700	74.162	185	160	260	IE3	8.175		
		200	60		1180	94.3	94.0	93.7	86.5	86.0	81.0	265	1470	61.907	155	130	210	IE2			
		220	60		1185	95.0	94.5	94.0	86.0	83.5	76.0	241	1620	61.646	185	160	250	IE3			
	125	90	2	200	50	250M	2970	95.0	95.2	94.0	87.5	85.0	79.0	313	2540	29.515	160	140	335	IE3	2.287
				200	60		3565	94.5	94.6	93.5	89.5	90.0	87.0	307	2250	24.589	135	115	255	IE2	
				220	60		3575	95.0	94.8	93.5	89.0	87.0	82.0	279	2470	24.520	135	140	310	IE3	
4			200	50	250M	1480	95.2	94.5	94.5	88.0	86.0	78.0	310	2660	59.230	205	185	295	IE3	6.111	
			200	60		1780	95.1	95.0	94.8	88.0	85.0	81.0	310	2310	49.247	180	155	250	IE2		
			220	60		1785	95.4	95.5	95.0	86.0	83.0	75.0	288	2540	49.109	200	185	305	IE3		
6		200	50	280S	985	94.9	95.0	94.5	81.5	76.5	66.0	336	2800	88.995	280	240	265	IE3	15.080		
		200	60		1180	95.0	95.2	95.0	88.5	86.0	82.0	309	2340	74.288	240	175	210	IE3			
		220	60		1185	95.2	95.5	95.2	85.0	83.0	76.0	292	2600	73.975	280	210	250	IE3			
150		110	2	200	50	280S	2970	95.2	95.0	94.5	85.5	81.5	75.0	390	2560	36.074	200	180	250	IE3	4.027
				200	60		3565	95.0	94.5	94.0	92.0	90.0	88.0	363	2200	30.053	160	140	210	IE3	
				220	60		3570	95.2	95.0	94.5	90.0	87.0	82.0	337	2420	30.011	190	170	250	IE3	
	4		200	50	280S	1480	95.4	95.0	94.5	86.0	84.0	78.0	387	3000	72.392	180	160	230	IE3	9.180	
			200	60		1780	95.8	95.5	95.0	90.0	88.0	83.0	368	2610	60.191	180	160	220	IE3		
			220	60		1785	95.8	95.8	95.5	88.0	86.0	81.0	342	2900	60.022	210	190	260	IE3		
	6	200	50	280M	985	95.1	95.3	95.1	86.0	83.0	75.0	388	3000	108.77	270	210	240	IE3	17.294		
		200	60		1180	95.4	95.5	95.0	90.0	89.0	85.0	370	2610	90.797	220	165	200	IE2			
		220	60		1185	95.8	95.7	95.3	88.0	86.0	80.0	342	2900	90.414	260	190	240	IE3			
	175	132	2	200	50	280M	2970	95.4	95.5	95.0	88.0	87.0	81.0	454	2830	43.289	200	180	240	IE3	4.552
				200	60		3560	95.4	95.0	94.5	90.0	89.0	85.0	444	2400	36.115	160	140	200	IE3	
				220	60		3570	95.4	95.2	94.7	88.0	86.0	83.0	413	2650	36.013	190	165	240	IE3	
4			200	50	280M	1480	95.6	95.2	95.0	89.0	88.0	81.0	448	3150	86.870	170	150	210	IE3	10.400	
			200	60		1780	95.8	95.0	94.8	90.0	88.0	84.0	442	2770	72.229	160	140	200	IE2		
			220	60		1785	96.2	95.5	95.0	88.0	86.0	82.0	409	3050	72.027	190	165	240	IE3		

Note:

1. The above are typical values based on test according to ANSI/IEEE Standart 112 method B.
2. Breakdown & Locked rotor torques are show as average expected values.
3. Tolerance According to IEC 60034-1.
4. Efficiency, power factor, speed and torque are the same for other voltages.
Current values vary inversely with voltage.
5. Data subject to change without notice.



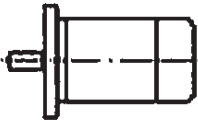
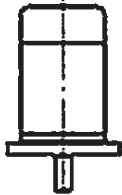
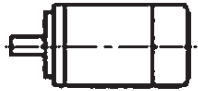

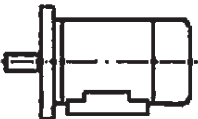



AEHF



AEUF

Designation of international Mounting (IM), refers to IEC 60034-7

Foot Mounted		
IM 1001 (IM B3)		Horizontal Shaft Foot mounted.
IM 1011 (IM V5)		Vertical Shaft Wall mounted. Shaft down.
Flange Mounted		
IM 3001 (IM B5)		Horizontal Shaft 'D' type flange at D.E. no feet.
IM 3011 (IM V1)		Vertical Shaft 'D' type flange at D.E. Shaft down. no feet.
IM 3601 (IM B14)		Horizontal Shaft 'C' type flange at D.E. no feet.
IM 3611 (IM V18)		Vertical Shaft 'C' type flange at D.E. Shaft down. no feet.
Foot / Flange Mounted		
IM 2001 (IM B35)		Horizontal Shaft 'D' type flange at D.E. Foot mounted.
IM 2101 (IM B34)		Horizontal Shaft 'C' type flange at D.E. Foot mounted.

各部主要寸法表

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

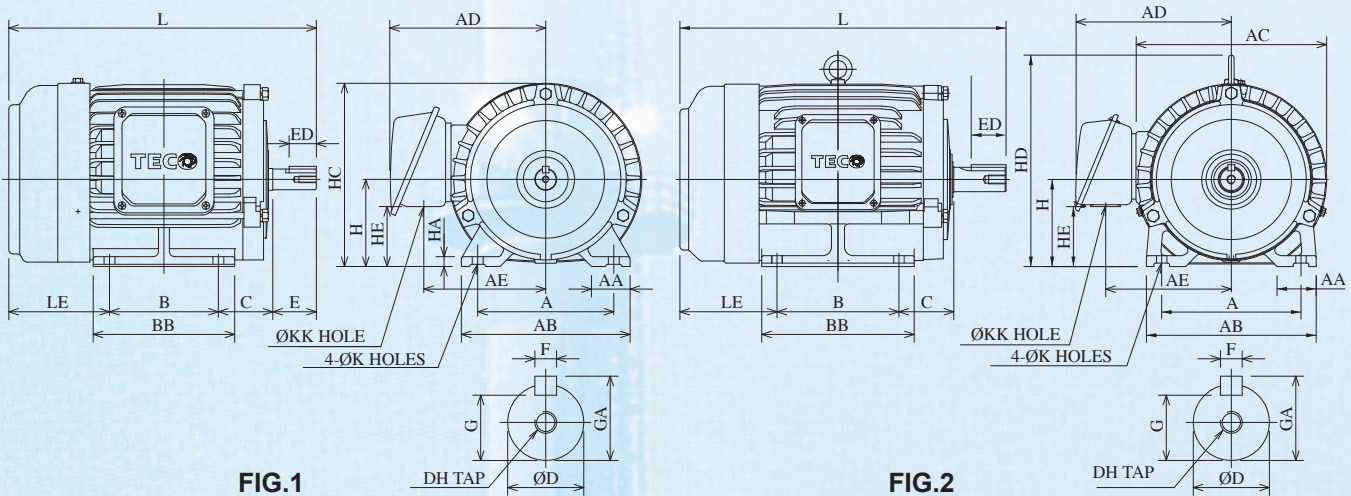


FIG.1

FIG.2

Dimension in mm

Output (kW)			FRAME	FIG.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HC	HD	HE
2P	4P	6P	SIZE	NO.														
0.2	0.2	-	63	1	100	28.0	120	144	123	93	80	100	40	63	8.0	135	-	29
0.4	0.4	-	71		112	35.5	140	162	133	103	90	115	45	71	8.0	152	-	54
0.75	0.75	0.4	80		125	35.5	155	177	144	112	100	130	50	80	9.0	168	-	55
1.5 2.2	1.5	0.75	90L		140	35.5	170	200	157	125	125	150	56	90	10.0	190	-	65
-	2.2	1.5	100L	2	160	45.0	195	219	180	145	140	175	63	100	12.5	-	243	71
3.7	3.7	2.2	112M		190	45.0	224	238	189	154	140	175	70	112	14.0	-	265	83
5.5 7.5	5.5	3.7	132S		216	45.0	250	273	225	180	140	175	89	132	16.0	-	310	83
-	7.5	5.5	132M		216	45.0	250	273	225	180	178	212	89	132	16.0	-	310	83
FRAME					SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS				
SIZE	K	KK	L	LE	D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END					
63	Ø7	Ø22	219.0	76.0	11	23	18	4	8.5	12.5	M4x8	6201ZZ	6201ZZ	8.5				
71	Ø7	Ø22	250.5	85.5	14	30	24	5	11.0	16.0	M5x10	6202ZZ	6202ZZ	11.5				
80	Ø10	Ø22	282.0	92.0	19	40	25	6	15.5	21.5	M6x12	6204ZZ	6204ZZ	17.0				
90L	Ø10	Ø22	332.5	101.5	24	50	32	8	20.0	27.0	M8x16	6205ZZ	6205ZZ	24.0				
100L	Ø12	Ø28	374.5	111.5	28	60	40	8	24.0	31.0	M10x20	6206ZZ	6305ZZ	38.0				
112M	Ø12	Ø28	391.0	121.0	28	60	40	8	24.0	31.0	M10x20	6306ZZ	6306ZZ	46.0				
132S	Ø12	Ø35	454.0	145.0	38	80	64	10	33.0	41.0	M12x24	6308ZZ	6306ZZ	68.0				
132M	Ø12	Ø35	492.0	145.0	38	80	64	10	33.0	41.0	M12x24	6308ZZ	6306ZZ	79.0				

Note:

1. Tolerance of Shaft End Diameter D: Ø11 ~ Ø28 : J6 , Ø38 : K6 .
2. Tolerance of Shaft Center Height H: +0 , -0.5 .

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

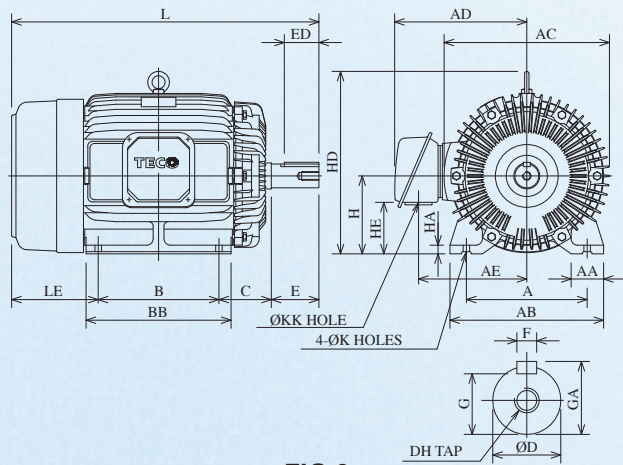


FIG.3

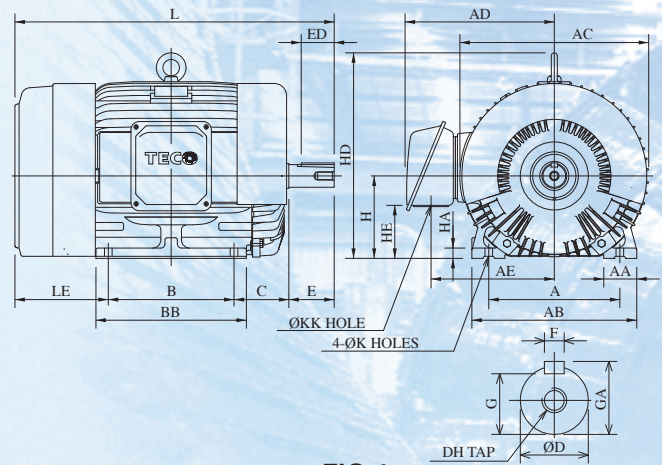


FIG.4

Dimension in mm

Output (kW)			FRAME SIZE	FIG NO.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HD	HE
2P	4P	6P															
11	11	7.5	160M	3	254	50	300	334	263	218	210	250	108	160	18	377	108
15	15	11	160L		254	50	300	334	263	218	254	300	108	160	18	377	108
22	-	-	180MA	4	279	75	355	382	305	250	241	389	121	180	22	431	119
-	18.5	15	180MC	3	279	75	355	382	305	250	241	389	121	180	22	431	119
30	-	-	180LA	4	279	75	355	382	305	250	279	389	121	180	22	431	119
-	30	18.5	180LC	3	279	75	355	382	305	250	279	389	121	180	22	431	119
37	-	-	200LA	4	318	80	400	458	362	299	305	400	133	200	25	499	129
-	37	30	200LC	3	318	80	400	458	362	299	305	400	133	200	25	499	129
45	-	-	200LC	3	318	80	400	458	362	299	305	400	133	200	25	499	129
55	-	-	225SA	4	356	100	450	510	411	337	286	415	149	225	30	550	153
-	55	45	225SC	3	356	100	450	510	411	337	286	415	149	225	30	550	153
FRAME SIZE	K	KK	L	LE	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS			
					D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END				
160M	Ø14.5	Ø35	608.0	180.0	42	110	80	12	37.0	45.0	M16x32	6309ZZ	6307ZZ	125			
160L	Ø14.5	Ø35	652.0	180.0	42	110	80	12	37.0	45.0	M16x32	6309ZZ	6307ZZ	140			
180MA	Ø14.5	Ø52	710.0	238.0	48	110	80	14	42.5	51.5	M16x32	6311ZZC3	6310ZZC3	235			
180MC	Ø14.5	Ø52	710.0	238.0	48	110	80	14	42.5	51.5	M16x32	6311ZZ	6310ZZ	250			
180LA	Ø14.5	Ø52	764.0	254.0	55	110	80	16	49.0	59.0	M20x40	6312ZZC3	6310ZZC3	240			
180LC	Ø14.5	Ø52	764.0	254.0	55	110	80	16	49.0	59.0	M20x40	6312ZZ	6310ZZ	255			
200LA	Ø18.5	Ø65	809.5	261.5	55	110	80	16	49.0	59.0	M20x40	6312ZZC3	6212ZZC3	355			
200LC	Ø18.5	Ø65	839.5	261.5	60	140	110	18	53.0	64.0	M20x40	6314ZZ	6212ZZ	385			
225SA	Ø18.5	Ø92	850.0	305.0	55	110	80	16	49.0	59.0	M20x40	6312ZZC3	6212ZZC3	470			
225SC	Ø18.5	Ø92	880.0	305.0	65	140	110	18	58.0	69.0	M20x40	6315ZZ	6213ZZ	500			

Note:

1. Tolerance of Shaft End Diameter D : Ø42 ~ Ø48 : k6 , Ø55 ~ Ø65 : m6 .
2. Tolerance of Shaft Center Height H : +0 , -0.5 .

各部主要寸法表

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

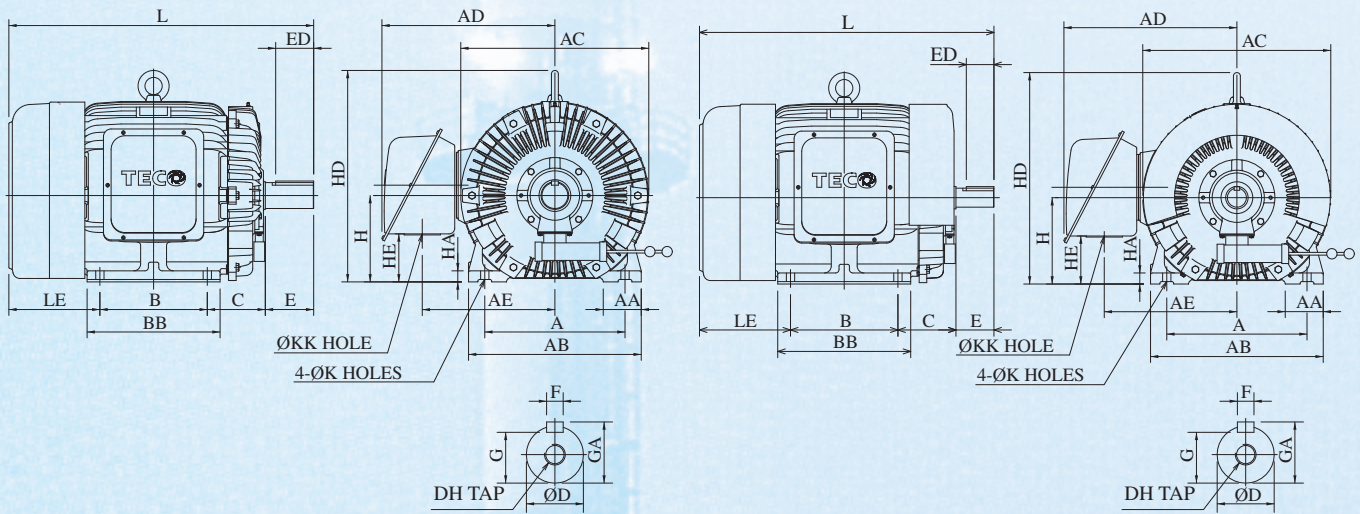


FIG.5

FIG.6

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HD	HE
2P	4P	6P															
75	-	-	250SA	6	406	110	500	545	499	384	311	385	168	250	32	612	139
-	75	55	250SC	5	406	110	500	545	499	384	311	385	168	250	32	612	139
90	-	-	250MA	6	406	110	500	545	499	384	349	480	168	250	32	612	139
-	90	75	250MC	5	406	110	500	545	499	384	349	480	168	250	32	612	139
FRAME SIZE	K	KK	L	LE	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS			
					D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END				
250SA	Ø24	Ø92	852.5	263.5	55	110	80	16	49.0	59.0	M20x40	6313C3	6313C3	500			
250SC	Ø24	Ø92	882.5	263.5	75	140	110	20	67.5	79.5	M20x40	NU316	6313	565			
250MA	Ø24	Ø92	947.5	320.5	55	110	80	16	49.0	59.0	M20x40	6313C3	6313C3	590			
250MC	Ø24	Ø92	977.5	320.5	75	140	110	20	67.5	79.5	M20x40	NU316	6313	640			

Note:

1. Tolerance of Shaft End Diameter D : Ø55 ~ Ø75 : m6 .
2. Tolerance of Shaft Center Height H : +0 , -0.5 .

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

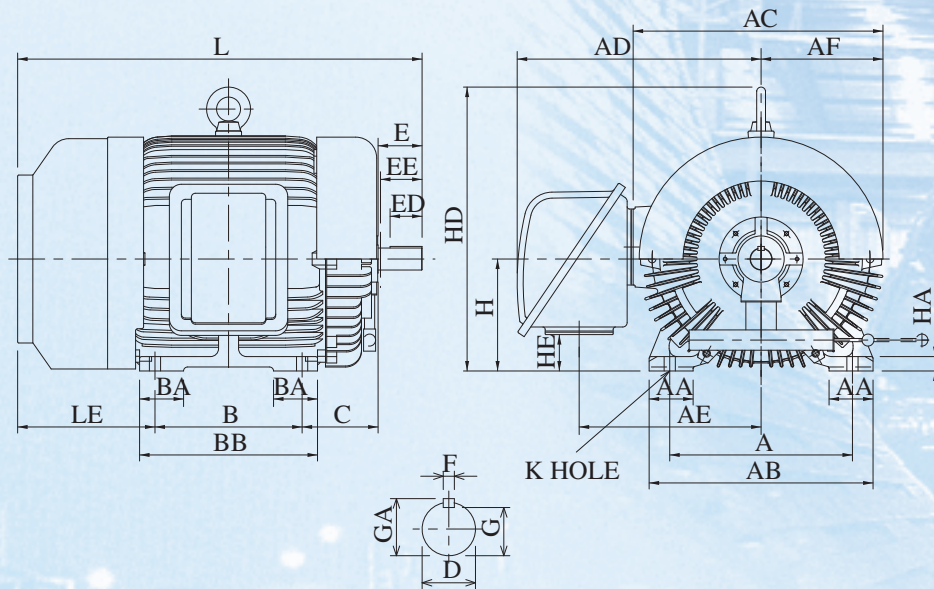


FIG.7

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	AF	B	BA	BB	C	D	E
2P	4P	6P															
*110	-	-	280S	7	457	110	560	625	610	455	305	368	110	445	190	55	110
-	110	90	280S		457	110	560	625	610	455	305	368	110	445	190	85	170
*132	-	-	280M		457	110	560	625	610	455	305	419	130	495	190	55	110
-	132	110	280M		457	110	560	625	610	455	305	419	130	495	190	85	170
FRAME SIZE	ED	EE	F	G	GA	H	HA	HD	HE	K	L	LE	BEARING		APPROX. WEIGHT KGS		
													DRIVE END	OPPOSITE DRIVE END			
280S	80	104	16	49	59	280	36	710	91	24	1012	344	6314C3	6314C3	680		
280S	140	157	22	76	90	280	36	710	91	24	1072	344	NU320	6316	750		
280M	80	104	16	49	59	280	36	710	91	24	1012	343	6313C3	6313C3	725		
280M	140	157	22	76	90	280	36	710	91	24	1072	343	NU316	6313	815		

Note:

1. Tolerance of Shaft End Diameter D : m6 .
2. Tolerance of Shaft Center Height H : +0 , -1 .
3. Usable Shaft Length : EE.
4. *For Direct Flexible Coupling.

各部主要寸法表

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

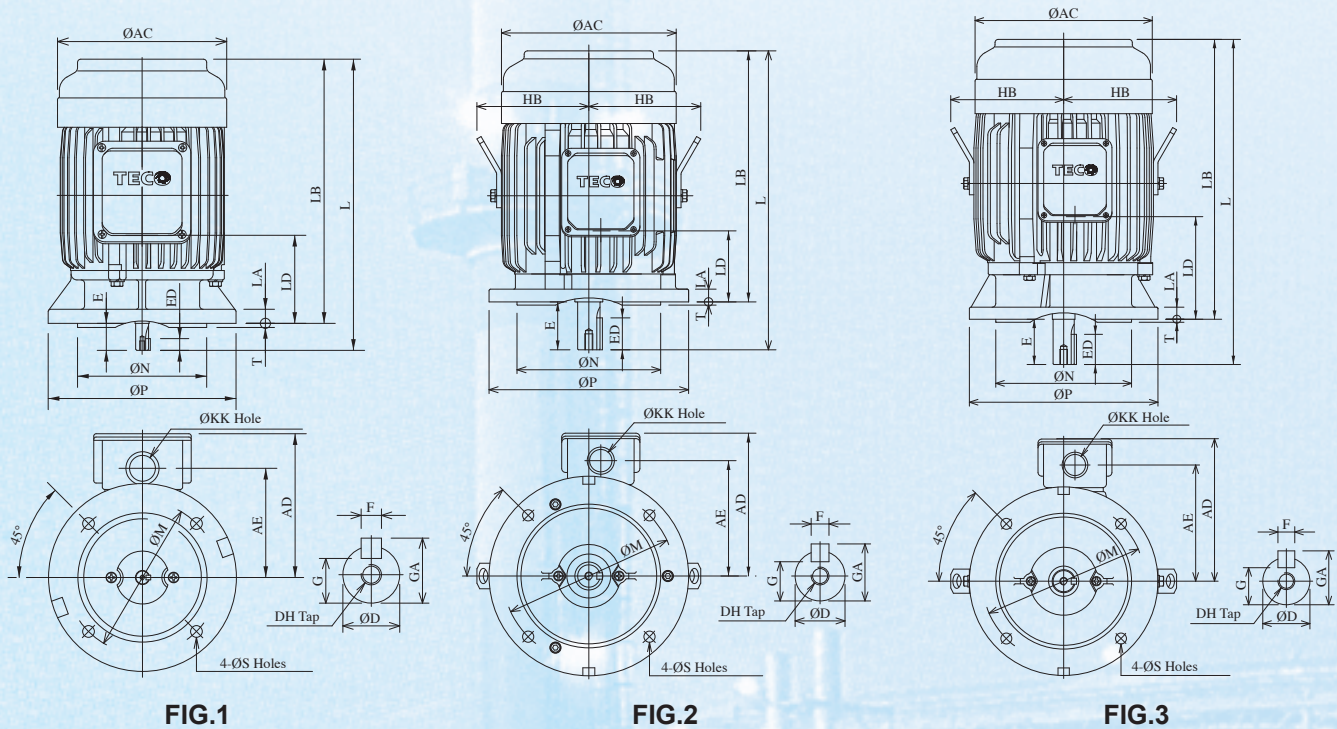


FIG.1

FIG.2

FIG.3

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	AC	AD	AE	HB	KK	L	LA	LB	LD	M	N	P
2P	4P	6P														
0.2	0.2	-	63	1	144	123	93	-	22	248.0	12	225.0	74	130	110	160
0.4	0.4	-	71		162	133	103	-	22	277.5	12	247.5	82	130	110	160
0.75	0.75	0.4	80	2	177	144	112	-	22	282.0	12	242.0	60	165	130	200
1.5 2.2	1.5	0.75	90L	3	200	157	125	-	22	371.5	12	321.5	113	165	130	200
-	2.2	1.5	100L	2	219	180	145	140	28	374.5	16	314.5	88	215	180	250
3.7	3.7	2.2	112M	3	238	189	154	150	28	431.0	16	371.0	135	215	180	250
5.5 7.5	5.5	3.7	132S	2	273	224	180	169	35	454.0	20	374.0	97	265	230	300
-	7.5	5.5	132M	2	273	224	180	169	35	492.0	20	412.0	116	265	230	300
FRAME SIZE	S	T	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS				
			D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END					
63	10.0	3.5	11	23	18	4	8.5	12.5	M4x8	6201ZZ	6201ZZ	9.5				
71	10.0	3.5	14	30	24	5	11.0	16.0	M5x10	6202ZZ	6202ZZ	12.5				
80	12.0	3.5	19	40	25	6	15.5	21.5	M6x12	6204ZZ	6204ZZ	19.0				
90L	12.0	3.5	24	50	32	8	20.0	27.0	M8x16	6205ZZ	6205ZZ	27.0				
100L	14.5	4.0	28	60	40	8	24.0	31.0	M10x20	6206ZZ	6305ZZ	40.0				
112M	14.5	4.0	28	60	40	8	24.0	31.0	M10x20	6306ZZ	6306ZZ	51.0				
132S	14.5	4.0	38	80	64	10	33.0	41.0	M12x24	6308ZZ	6306ZZ	73.0				
132M	14.5	4.0	38	80	64	10	33.0	41.0	M12x24	6308ZZ	6306ZZ	84.0				

Note:

1. Tolerance of Shaft End Diameter D : Ø11~Ø28 : j6, Ø38 : k6
2. Tolerance of N : j6

各部主要寸法表

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

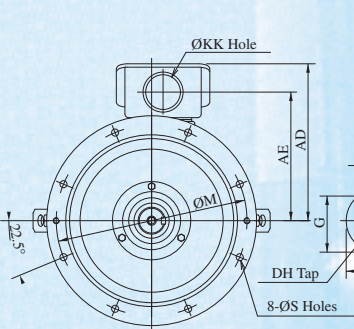
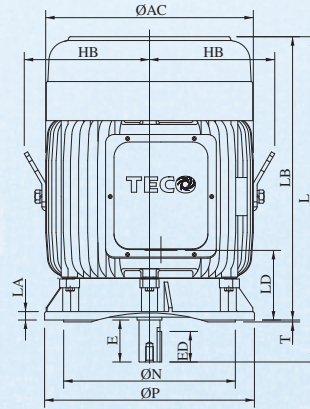
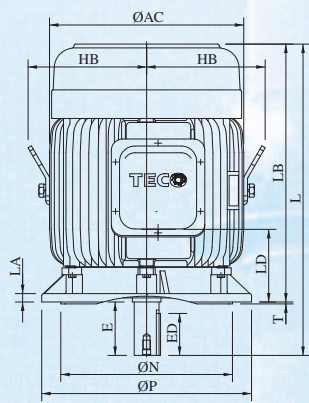


FIG.6

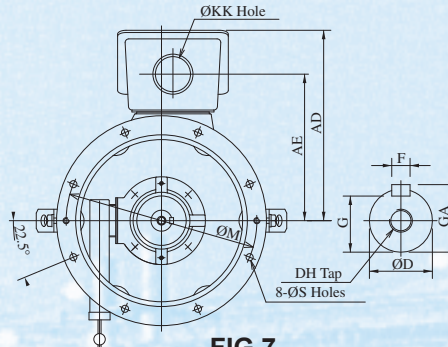


FIG.7

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	AC	AD	AE	HB	KK	L	LA	LB	LD	M	N	P
2P	4P	6P														
37	-	-	200LA	6	458	362	299	286.0	65	809.5	20	699.5	212.0	400	350	450
45	-	-	200LC		458	362	299	286.0	65	839.5	20	699.5	212.0	400	350	450
-	37	30	225SA		510	411	337	312.0	92	850.0	22	740.0	222.0	500	450	550
-	45	37	225SC		510	411	337	312.0	92	880.0	22	740.0	222.0	500	450	550
55	-	-	250SA	7	545	499	384	329.5	92	852.5	22	742.5	182.5	500	450	550
-	55	45	250SC		545	499	384	329.5	92	882.5	22	742.5	182.5	500	450	550
75	-	-	250MA		545	499	384	329.5	92	947.5	22	837.5	230.0	500	450	550
-	75	55	250MC		545	499	384	329.5	92	977.5	22	837.5	230.0	500	450	550
FRAME SIZE	S	T	SHAFT EXTENSION							BEARING		APPROX. WEIGHT KGS				
			D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END					
200LA	18.5	5	55	110	80	16	49.0	59.0	M20x40	6312ZZC3	6212ZZC3	355				
200LC	18.5	5	60	140	110	18	53.0	64.0	M20x40	6314ZZ	6212ZZ	385				
225SA	18.5	5	55	110	80	16	49.0	59.0	M20x40	6312ZZC3	6212ZZC3	470				
225SC	18.5	5	65	140	110	18	58.0	69.0	M20x40	6315ZZ	6213ZZ	500				
250SA	18.5	5	55	110	80	16	49.0	59.0	M20x40	6313C3	6313C3	500				
250SC	18.5	5	75	140	110	20	67.5	79.5	M20x40	NU316	6313	565				
250MA	18.5	5	55	110	80	16	49.0	59.0	M20x40	6313C3	6313C3	590				
250MC	18.5	5	75	140	110	20	67.5	79.5	M20x40	NU316	6313	640				

Note:

1. Tolerance of Shaft End Diameter D : Ø55 ~Ø75 : m6

2. Tolerance of N : j6

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

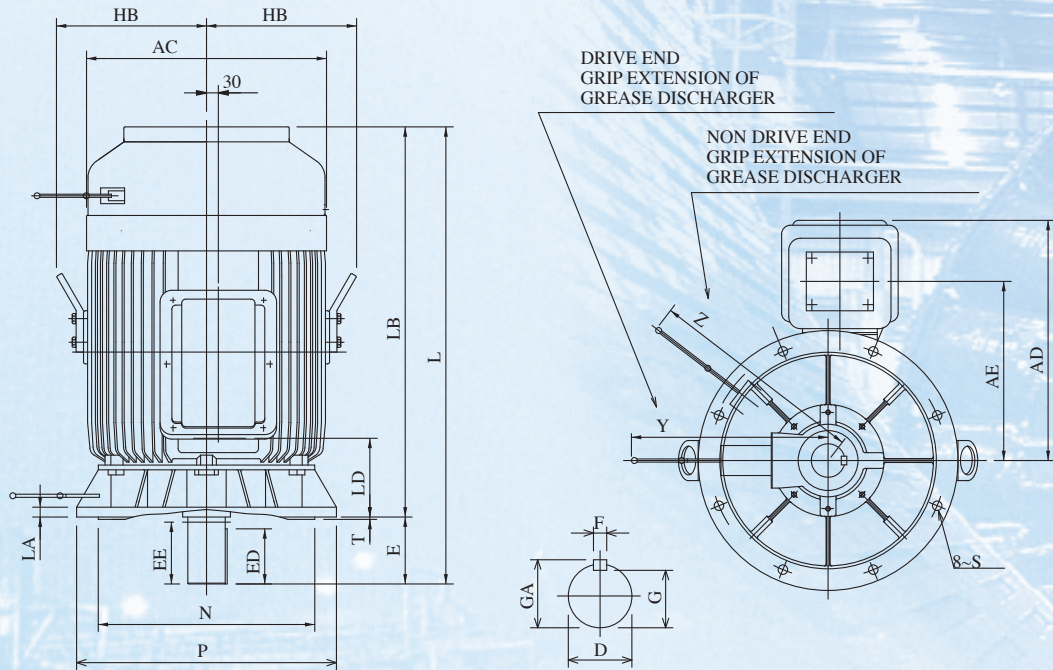


FIG.8

Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	AC	AD	AE	D	E	ED	EE	F	G	GA	HB	L
2P	4P	6P														
*110	-	-	280S	8	610	610	455	55	110	80	104	16	49	59	383	1012
-	110	90			610	610	455	85	170	140	157	22	76	90	383	1072
*132	-	-	280M		610	610	455	55	110	80	104	16	49	59	383	1101
-	132	110			610	610	455	85	170	140	157	22	76	90	383	1161
FRAME SIZE	LA	LB	LD	M	N	P	S	T	Y	Z	BEARING		APPROX. WEIGHT KGS			
											DRIVE END	OPPOSITE DRIVE END				
280S	25	902	156	600	550	660	24	6	585	585	6314C3	6314C3	740			
	25	902	156	600	550	660	24	6	560	535	NU320C3	6316	820			
280M	25	991	200	600	550	660	24	6	585	585	6314C3	6314C3	790			
	25	991	200	600	550	660	24	6	560	535	NU320C3	6316	895			

Note:

1. Tolerance of Shaft End Diameter D : m6
2. Tolerance of N : js6
3. Usable Shaft Length : EE
4. *For Direct Flexible Coupling

上記仕様以外の特殊仕様はご相談ください。
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