TECO

IE2

ELECTRICAL CHARACTERISTICS - AESV2E / AESU2E

TEFC, CLASS F, 40°C AMBIENT TEMP., IEC DESIGN N CONTINUOUS DUTY, S.F. 1.0 50HZ 400V WINDING USED ON 60HZ 460V PLUS B RISE

400V/50HZ

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY				POWER FACTOR				CURRENT		TORQUE				ROTOR GD2 kg-m2	APPROX. WEIGHT kg
HP	kW			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	1/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	1/4 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD N•m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT		
11.5	8.6	3525	132S	89.5	89.7	88.9	83.6	86.5	84.0	76.5	57.5	13.9	95	23.30	215	180	265	0.075	72.5
		1755	132M	89.5	89.9	89.4	84.6	85.0	80.5	70.5	47.5	14.2	114	46.80	265	200	300	0.142	79.0
		1160	160M	89.5	89.7	89.0	83.4	82.5	78.5	69.5	46.5	14.6	83	70.80	215	180	255	0.363	110
		870	160L	88.0	88.5	87.0	80.0	74.0	66.0	53.0	32.0	16.6	105	94.40	210	205	350	0.586	146
17	12.7	3545	160M	90.2	90.0	88.5	81.9	91.0	89.0	83.5	66.0	19.4	161	34.21	240	190	300	0.154	110
		1765	160M	91.0	91.5	91.5	87.4	86.5	83.5	76.0	55.5	20.3	142	68.72	240	205	300	0.296	121
		1165	160L	90.2	90.5	89.8	84.7	82.0	76.5	66.0	44.0	21.6	151	104.1	260	215	275	0.558	138
		870	180L	88.0	88.5	88.5	83.0	73.0	67.0	54.5	33.0	24.8	142	139.4	200	170	240	1.019	182
23	17.3	3535	160M	91.0	91.5	90.9	85.8	92.5	91.5	88.0	76.0	25.8	197	46.74	265	255	360	0.192	120
		1765	160L	92.4	92.5	92.5	89.6	87.0	83.5	75.5	54.0	27.0	205	93.61	255	200	300	0.427	138
		1175	180L	91.7	91.5	91.4	87.1	83.5	80.5	72.5	50.5	28.4	192	140.6	245	215	295	1.337	205
		870	200L	89.5	91.0	91.0	87.5	81.0	78.0	69.0	47.5	30.0	164	189.9	190	180	265	1.749	275
28.5	21.3	3535	160L	91.0	91.5	91.0	86.7	92.5	91.5	88.0	76.0	31.8	253	57.54	275	270	370	0.237	137
		1765	180M	92.4	92.6	92.3	89.0	85.5	83.5	77.5	59.5	33.8	215	115.2	200	195	300	0.654	180
		1175	200L	91.7	92.4	92.2	88.7	80.5	77.5	69.0	47.0	36.2	219	173.1	240	220	300	1.604	263
		880	225S	92.0	92.5	92.0	87.5	76.5	72.0	61.5	40.0	38.0	196	231.2	200	140	235	2.675	345
34	25.3	3540	180M	91.0	90.9	89.8	84.2	91.5	90.5	87.0	74.0	38.1	284	68.25	210	190	325	0.283	178
		1770	180L	92.4	93.0	92.7	89.1	85.0	83.5	78.0	58.5	40.4	238	136.5	200	195	300	0.770	199
		1175	200L	91.7	92.4	92.3	89.1	81.5	78.0	70.0	48.0	42.5	260	205.6	240	195	265	1.912	283
		880	225M	92.0	92.5	92.0	88.0	78.0	75.0	66.0	45.0	44.3	208	274.6	180	150	250	3.023	367
46	34.5	3545	200L	92.4	91.6	90.2	84.2	90.5	90.0	86.5	74.5	51.8	404	92.94	220	150	300	0.521	276
		1770	200L	93.0	93.5	93.3	90.4	88.0	86.0	80.0	59.0	52.9	416	186.1	270	240	310	1.217	266
		1180	225M	93.0	93.5	93.2	89.6	86.0	83.5	77.0	56.0	54.1	303	279.2	200	160	245	2.442	343
		885	250M	93.0	93.0	93.0	89.0	79.0	74.5	64.5	41.0	58.9	295	372.3	180	130	225	4.565	475
57	42.6	3550	200L	93.0	92.9	92.0	87.2	91.0	90.0	87.0	75.5	63.2	420	114.6	210	160	265	0.663	302
		1775	225S	93.6	93.5	92.7	88.4	86.5	84.5	78.5	59.5	66.0	410	229.2	205	190	330	1.649	333
		1185	250M	93.6	93.2	92.3	87.7	86.5	84.0	76.5	53.0	66.0	375	343.3	190	145	260	3.373	458
		885	280S	92.8	92.8	92.0	88.0	81.5	78.5	70.0	48.0	70.7	455	459.7	125	105	240	8.400	645
69.5	52	3565	225M	93.0	92.8	91.6	86.1	93.0	92.0	88.0	63.5	75.5	643	139.3	180	180	330	1.074	333
		1780	225M	94.1	93.9	93.2	89.2	86.5	84.0	77.0	56.0	80.2	552	279.0	240	205	320	1.979	368
		1186	280S	93.8	93.6	92.7	89.5	85.0	82.0	73.0	50.0	81.9	550	418.7	185	170	280	6.400	580
		885	280M	93.0	92.8	92.2	88.1	82.0	79.0	71.0	49.0	85.6	550	561.1	120	100	230	9.600	690
84.5	63	3550	250M	93.0	93.1	92.2	87.7	92.0	91.5	88.0	74.5	92.4	650	169.5	160	160	300	1.343	456
		1780	250M	94.1	94.1	93.4	89.8	87.5	85.5	80.0	61.0	96.0	687	338.0	240	180	270	3.621	492
		1186	280M	93.8	93.8	93.5	90.5	86.0	83.0	75.0	52.0	98.0	680	507.3	190	165	280	7.600	660
		887	315S	93.1	93.0	92.5	89.0	81.5	79.0	71.0	50.0	104	518	678.3	130	110	220	16.00	900

IE2
IE3

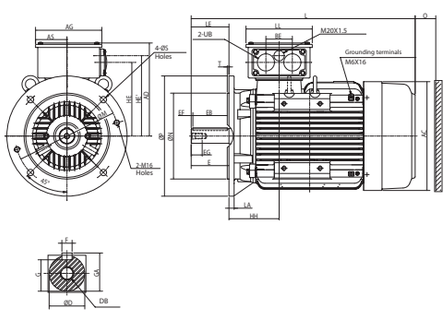

FIG. 4

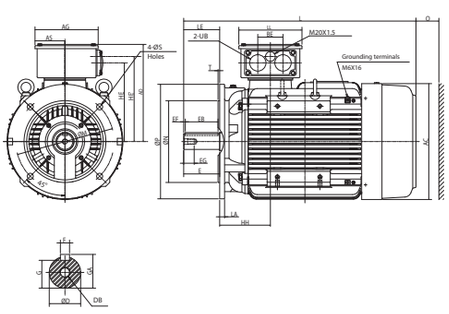

FIG. 5

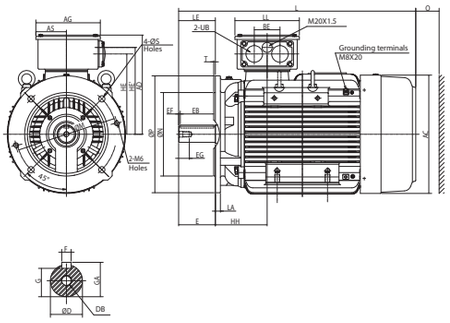

FIG. 6

Dimension in mm

HA	HE	HE'	K	L	LL	O	UB1	SHAFT EXTENSION									BEARING	
								D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
10	123.5	—	10	293	115	40	M25X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZC3	6204ZZC3
10	133.5	—	10	344.5	115	40	M25X1.5	24	50	40	5	19	8	20	27	M8	6205ZZC3	6205ZZC3
10	133.5	—	10	369.5	115	40	M25X1.5	24	50	40	5	19	8	20	27	M8	6205ZZC3	6205ZZC3
12	157	—	12	392	125	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZC3	6206ZZC3
13	164.5	—	12	412.5	125	50	M32X1.5	28	60	50	5	22	8	24	31	M10	6306ZZC3	6306ZZC3
16	182	—	12	466	125	50	M32X1.5	38	80	70	5	28	10	33	41	M12	6308ZZC3	6306ZZC3
16	182	—	12	504	125	50	M32X1.5	38	80	70	5	28	10	33	41	M12	6308ZZC3	6306ZZC3
215	234.5	18	14.5	608	193	60	M40 x 1.5	42	110	100	5	36	12	37	45	M16	6309ZZC3	6307ZZC3
215	234.5	18	14.5	652	193	60	M40 x 1.5	42	110	100	5	36	12	37	45	M16	6309ZZC3	6307ZZC3
241	260.5	20	14.5	672	193	70	M40 x 1.5	48	110	100	5	36	14	42.5	51.5	M16	6311C3	6310C3
241	260.5	20	14.5	710	193	70	M40 x 1.5	48	110	100	5	36	14	42.5	51.5	M16	6311C3	6310C3
24	262	289	18.5	770	231	80	M50 x 1.5	55	110	100	5	42	16	49	59	M20	6312C3	6212C3
28	288	315	18.5	816	231	90	M50 x 1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6213C3
28	288	315	18.5	811	231	90	M50 x 1.5	55	110	100	5	42	16	49	59	M20	6312C3	6212C3
28	288	315	18.5	841	231	90	M50 x 1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6213C3
30	322	349	24	921	255	105	M63 x 1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3
30	322	349	24	921	255	105	M63 x 1.5	65	140	125	7.5	42	18	58	69	M20	6315C3	6313C3

Note：5. Tolerance of shaft end diameter D：Under ψ42 ~ ψ48：k6.
6. Tolerance of shaft center high H：+0, -0.5.
7. Tolerance of shaft end diameter D：Under ψ55 ~ψ65：m6.
8. Tolerance of shaft center high H：+0, -0.5.

IE2
IE3

DIMENSION
Horizontal Foot Mounting B3 (IM 1001)
TYPE: AESV2E, AESV3E

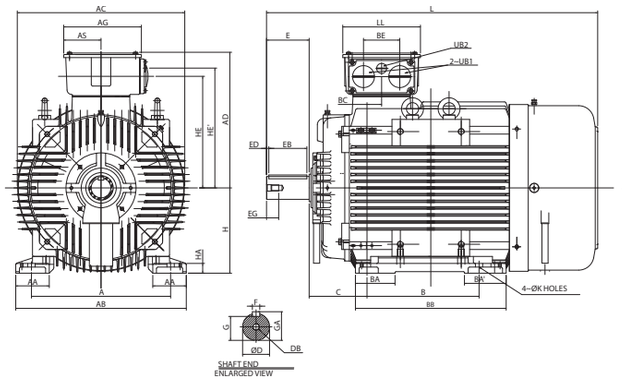

FIG. 7

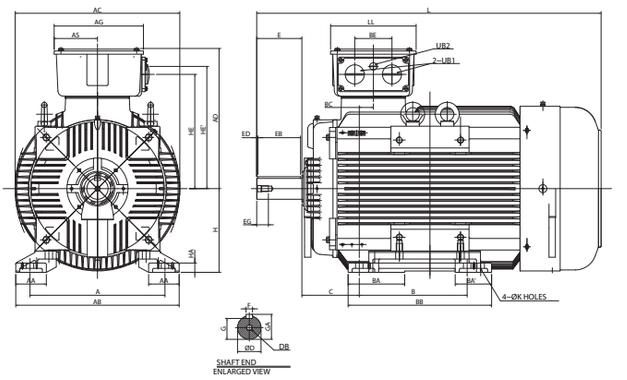

FIG. 8

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																			
75	—	—	—	280SA	7	457	110	560	550	446	255	122.5	368	—	130	130	445	48	119	190	280	32
—	75	45	37	280SB		457	110	560	550	446	255	122.5	368	—	130	130	445	48	119	190	280	32
—	75	45	37	280SC		457	110	560	550	446	255	122.5	368	—	130	130	445	48	119	190	280	32
90	—	—	—	280MA		457	110	560	550	446	255	122.5	419	—	130	137	495	48	119	190	280	32
—	90	55	45	280MB		457	110	560	550	446	255	122.5	419	—	130	137	495	48	119	190	280	32
—	90	55	45	280MC		457	110	560	550	446	255	122.5	419	—	130	137	495	48	119	190	280	32
110	—	—	—	315SA	8	508	115	615	620	527	336	163	406	—	150	150	508	53	140	216	315	35
—	110	75	55	315SB		508	115	615	620	527	336	163	406	—	150	150	508	53	140	216	315	35
—	110	75	55	315SC		508	115	615	620	527	336	163	406	—	150	150	508	53	140	216	315	35
132 160	—	—	—	315MA		508	115	615	620	527	336	163	457	—	213	137	540	53	140	216	315	35
—	132 160	90 110	75	315MB		508	115	615	620	527	336	163	457	—	213	137	540	53	140	216	315	35
—	132 160	90 110	75	315MC		508	115	615	620	527	336	163	457	—	213	137	540	53	140	216	315	35
200	—	—	—	315LA	9	508	150	650	620	527	336	163	508	—	180	205	730	53	140	216	315	45
—	200	132 160	90 110	315LB		508	150	650	620	527	336	163	508	—	180	205	730	53	140	216	315	45
—	200	132 160	90 110	315LC		508	150	650	620	527	336	163	508	—	180	205	730	53	140	216	315	45
250 315	—	—	—	315DA	10	508	150	650	682	590	412	189	900	—	255	255	1080	68	180	216	315	45
—	250 315	200 250	132 160 200	315DB		508	150	650	682	590	412	189	900	—	255	255	1080	68	180	216	315	45
—	250 315	200 250	132 160 200	315DC		508	150	650	682	590	412	189	900	—	255	255	1080	68	180	216	315	45

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. Tolerance of Shaft End Diameter D：m6
5. Tolerance of Shaft Center Height H：+0, -1
6. Tolerance of Key Width F：h9