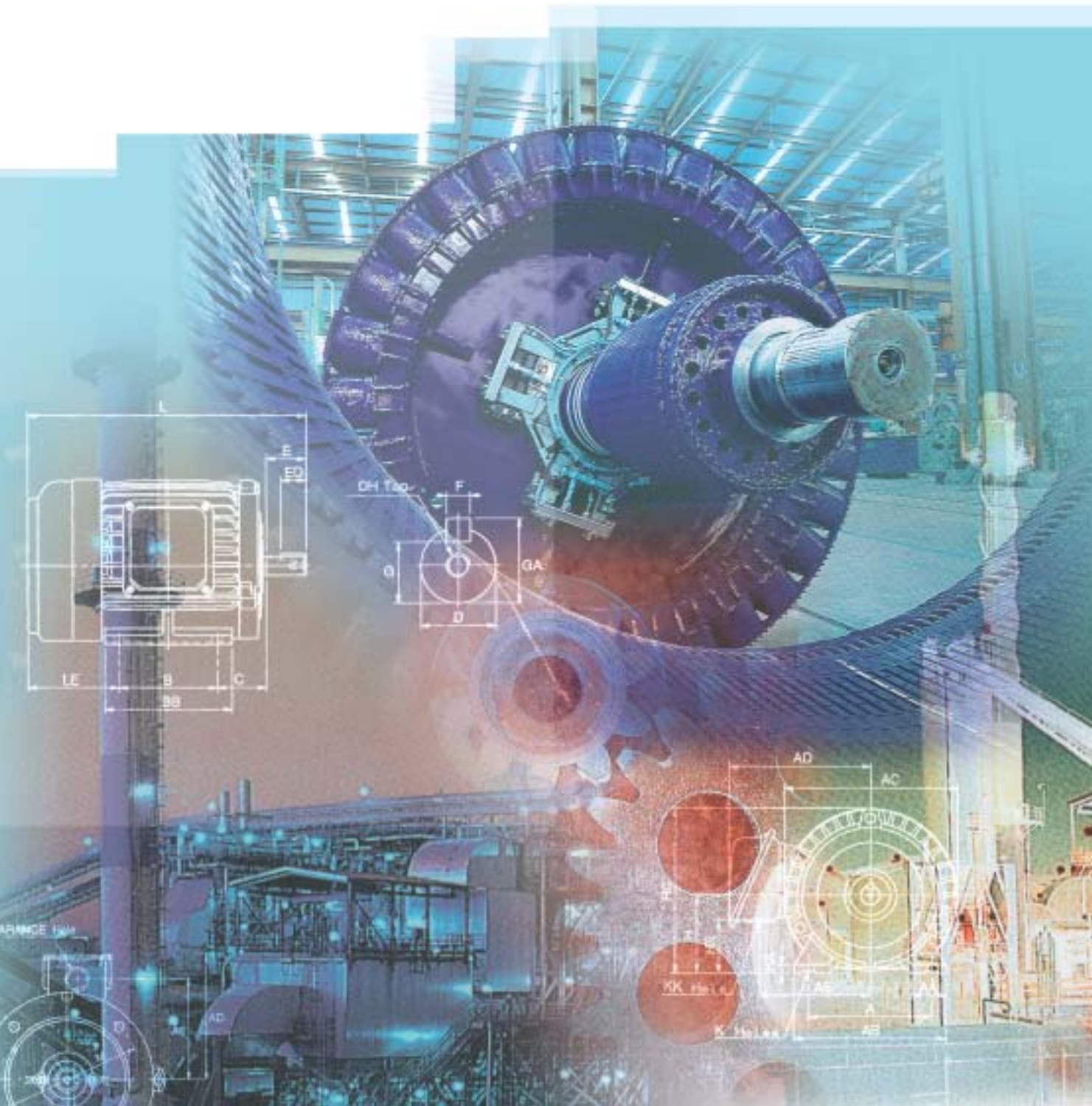
TECO

3-PHASE INDUCTION MOTORS

AEEF · AEVF



SPECIFICATION TABLE
TYPE:AEEF, AEVF
LOW VOLTAGE SQUIRREL CAGE

ITEM		STANDARD SPECIFICATION
RATING	Kind of Motors	Squirrel - Cage Induction Motors (SCIM) .
	Design Standards	IEC, CNS, JIS .
	Voltages	220V, 380V, or 380V, 400V, 415V, 440V, 460V .
	Frequency	50Hz or 60Hz .
	Output Range	0.25 HP ~ 270 HP (0.18 kW ~ 200 kW) .
	Time Duty	Continuous. S1 , S.F. : 1.0 .
	Frame Nos.	63 ~ 315M .
	Protection Enclosure	Totally Enclosed Fan Cooled (IP 54) .
	Cooling Method	Self External Fan, Surface Cooling (IC 411) .
	Mounting	Horizontal Foot Mounting (IM 1001), Flange Mounting (IM3011) .
	Environment Conditions	Place : Shadow, Non-Hazardous. Ambient Temperature : -15°C ~ 40°C . Relative Humidity : Less Than 90% RH (Non - Condensation) . Altitude : Less Than 1000M .
	Drive Method	Belt Service , However , 2 Pole 30 HP and Up Coupling Service is the Way .
	Direction of Rotation	Bi - Directional .
	Method of Starting	Full Voltage Direct On Line or 人 - Δ Starting .
APPLICATION	Shaft	Carbon Steel , Cylindrical Single Extension with Keyway and Key .
	Bearing	Bracket Mounting , Vacuum De - Gassed High Quality Open Bearings for Frame No. 250 ~ 315, Grease Pre - Packed Shielded Rolling Bearings for the Others.
	Lubrication	Mineral Oil, Li - Base Grease (Frame 63 ~ 250 MULTEMP SRL, Frame 280 ~ 315 SHELL ALVANIA R3).
CONSTRUCTION	Terminal Box	Pressed Steel , Larger Size , Can be Set 90° Apart , With Conduit Hole Cable Entrance At Left Side View from the Drive End . Option : Cable Grand.
	Lead Terminal	Solderless Lug Terminals. Option : Wire Connection Seat.
	Stator Insulation	Class E Insulation System for Frame No. 63 ~ 112M Class B Insulation System for Frame No. 132S ~ 180M Class F Insulation System for Frame No.180L ~ 315M
	Rotor Winding	Squirrel Cage, Copper Bar Brazed or Aluminium Conductor with End - Ring and Wafter Blades Integrally Cast .
	Painting	Phenolic Rust Proof Base Plus Lacquer Surface Finished Painting in Blue - Gray Color (Munsell 7.5B 3.5 / 0.5) .
	Name Plate	Stainless Steel Plate .
	Bolt Thread	ISO Metric System .
	Grounding Terminal	Be Set Inside the Terminal Box .
PERFORMANCE	Test Procedure	IEC 34, CNS 10919 (C3192) And Full Voltage Measuring Starting Performance .
	Temperature Rise	Winding Temperature Rise (by Resistance Method) Class E Insulation Not to Exceed 75°C. Class B Insulation Not to Exceed 80°C. Class F Insulation Not to Exceed 100°C.

PERFORMANCE DATA

220V 60Hz

OUTPUT		FULL LOAD RPM	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE			ROTOR GD² kg-m²
HP	kW			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED LOAD (A)	FULL LOAD (kg-m)	LOCKED LOAD (%FLT)	PULL OUT (%FLT)	
0.25	0.18	3335	63	61.0	59.5	52.0	77.0	67.5	55.5	1.0	6	0.054	400	370	0.002
		1640	63	67.0	66.0	61.0	65.5	56.0	44.0	1.0	6	0.111	250	240	0.002
		1120	71	64.0	57.5	49.5	60.0	53.0	43.0	1.3	6	0.162	260	290	0.007
0.5	0.37	3400	71	75.0	74.5	70.0	86.0	79.0	68.5	1.5	12	0.107	340	310	0.002
		1680	71	70.0	66.5	60.5	71.0	60.5	48.0	2.0	12	0.216	200	250	0.005
		1135	80	68.0	64.0	57.5	67.0	56.0	45.0	2.2	12	0.320	200	240	0.009
1	0.75	3395	80	77.0	77.5	75.0	87.0	83.5	73.5	2.9	19	0.214	220	280	0.005
		1710	80	76.0	74.5	70.0	76.5	67.5	54.5	3.4	19	0.424	250	280	0.009
		1140	90L	76.0	75.5	71.5	71.0	62.5	50.0	3.6	19	0.637	200	240	0.017
2	1.5	3425	90L	80.0	81.5	80.0	89.0	83.0	74.5	5.5	40	0.424	250	280	0.010
		1715	90L	79.0	79.0	75.0	81.0	70.5	57.0	6.1	40	0.846	220	280	0.017
		1140	100L	78.0	77.5	74.0	74.0	66.0	54.0	6.8	40	1.273	180	220	0.033
3	2.2	3450	90L	82.0	84.5	82.0	89.0	85.5	76.5	8.0	68	0.631	230	280	0.015
		1735	100L	82.0	83.5	80.5	82.5	78.5	66.5	8.7	68	1.255	210	260	0.033
		1160	112M	82.0	82.0	78.5	77.0	67.5	56.0	9.3	68	1.877	180	270	0.059
5	3.7	3485	112M	84.5	86.0	83.5	90.0	88.5	82.0	12.9	110	1.041	240	340	0.038
		1745	112M	85.0	85.5	83.0	85.0	80.0	70.0	13.5	110	2.080	220	300	0.059
		1160	132S	84.0	83.0	79.5	77.0	69.5	58.0	15.1	110	3.129	180	230	0.151
7.5	5.5	3505	132S	85.0	86.5	84.0	90.0	86.5	81.5	19.2	160	1.553	220	260	0.063
		1750	132S	87.0	87.0	85.0	84.0	78.5	68.5	20.1	160	3.111	230	280	0.104
		1160	132M	85.0	86.0	83.5	77.5	72.0	60.5	22.3	160	4.693	200	230	0.217
10	7.5	3510	132S	86.5	88.0	85.5	90.0	87.0	81.0	25.1	200	2.068	200	270	0.076
		1750	132M	88.5	89.0	87.5	88.0	85.5	76.0	25.1	200	4.148	220	250	0.143
		1175	160M	87.0	86.0	84.0	80.0	68.0	62.5	28.1	200	6.178	280	300	0.400
15	11	3540	160M	88.0	87.5	86.5	90.0	88.0	84.0	37.1	290	3.076	220	300	0.147
		1760	160M	90.0	89.5	88.0	89.0	86.0	78.5	36.7	290	6.186	220	250	0.297
		1170	160L	89.5	88.5	88.0	84.0	73.0	70.5	39.1	290	9.306	240	260	0.588
20	15	3520	160M	89.5	90.0	89.0	91.0	90.0	87.5	48.1	360	4.124	210	260	0.183
		1760	160L	90.5	90.5	90.5	86.0	84.0	76.5	50.3	360	8.248	230	260	0.381
		1170	180MC	90.0	91.5	90.5	85.0	79.5	70.5	51.2	360	12.408	230	250	1.054
25	18.5	3530	160L	90.0	91.5	90.5	89.5	90.5	87.0	60.8	480	5.141	240	290	0.237
		1760	180MC	91.0	91.0	90.0	85.5	83.0	77.0	62.9	440	10.310	210	240	0.571
		1170	180LC	90.0	91.0	90.5	84.5	80.0	72.0	64.4	440	15.510	220	250	1.233
30	22	3540	180MA	90.5	91.5	89.5	90.0	88.5	83.5	72.1	550	6.151	210	250	0.302
		1765	180MC	91.5	92.5	91.5	88.0	83.5	77.0	72.9	550	12.338	210	250	0.706
		1175	180LC	91.0	92.0	91.0	84.0	78.5	69.5	76.8	550	18.533	250	260	1.438
40	30	3520	180LA	90.5	91.0	89.5	91.0	90.0	85.5	95.1	680	8.248	230	250	0.358
		1760	180LC	92.0	93.0	92.5	88.0	84.5	78.0	96.7	680	16.497	220	240	0.810
		1170	200LC	92.0	92.5	92.5	85.0	80.0	73.5	100	620	24.816	190	200	1.919
50	37	3545	200LA	91.0	90.0	87.5	89.0	90.5	87.0	121	800	10.238	150	210	0.602
		1770	200LC	92.0	93.0	92.0	86.0	85.5	81.5	124	950	20.504	240	250	1.422
		1175	200LC	92.5	93.0	92.5	84.0	78.0	70.5	126	850	30.888	210	230	2.419
60	45	3545	200LA	91.5	91.5	90.0	90.0	86.5	82.5	143	950	12.285	170	220	0.633
		1765	200LC	92.0	93.0	92.5	89.0	87.0	84.0	144	1060	24.675	210	230	1.643
		1180	225SC	92.5	93.0	92.0	86.0	84.0	76.5	148	980	36.908	220	220	3.023
75	55	3550	225SA	92.0	93.0	91.5	92.0	91.5	87.5	174	1220	15.335	150	210	1.187
		1775	225SC	92.5	93.5	92.0	86.5	85.5	79.5	184	1220	30.670	180	200	1.979
		1175	A250SC	93.0	93.5	93.0	85.5	85.0	78.0	185	1220	46.331	200	200	4.923
		885	280S	92.0	91.5	90.0	77.5	73.5	65.0	202	1215	60.5	135	210	16.0
100	75	3550	A250SA	93.5	93.5	93.0	91.5	89.5	88.5	229	1600	20.447	130	240	1.678
		1775	A250SC	93.5	92.5	91.0	89.0	87.0	83.0	235	1600	40.893	170	270	4.226
		1175	A250MC	93.5	94.0	93.5	86.0	83.5	78.5	244	1600	61.775	200	250	6.382
		885	280M	92.5	92.0	90.5	77.5	74.0	65.0	276	1660	82.5	135	210	19.6
125	90	3555	A250MA	94.0	93.5	92.0	91.5	90.5	86.5	285	2150	25.522	150	260	2.014
		1770	A250MC	94.0	94.0	93.0	92.0	92.0	89.5	283	2150	51.261	190	230	5.101
		1180	280S	93.5	93.0	91.5	85.5	82.0	74.0	295	1990	74.3	130	230	13.8
		885	315S	93.0	92.5	90.5	78.0	74.0	65.0	326	1990	99.0	130	210	21.5
150	110	3565	280S	93.5	92.8	91.0	90.0	89.0	84.5	343	2435	30.0	100	220	4.0
		1770	280S	94.0	93.5	92.0	88.0	86.0	79.0	349	2435	60.5	130	230	7.6
		1180	280M	93.7	93.2	91.5	86.0	82.5	74.0	358	2435	90.8	130	230	15.2
		885	315M	93.0	92.5	90.5	78.0	74.0	65.0	398	2435	121.0	130	210	25.5
175	132	3565	280M	93.5	92.8	91.0	90.0	89.0	84.5	412	2920	36.1	100	220	4.5
		1770	280M	94.0	93.5	92.0	89.0	87.0	80.0	414	2920	72.6	130	230	8.6
		1185	315S	94.0	93.5	92.0	87.0	84.0	78.0	424	2920	108.5	130	230	18.5
200 215	160	3570	315S	94.3	93.8	92.0	91.0	90.3	87.0	489	3540	43.6	100	220	5.7
		1775	315S	94.2	93.7	92.1	90.0	88.0	81.0	495	3540	87.8	130	230	11.2
		1185	315M	94.1	93.7	92.1	87.0	84.0	87.8	513	3540	131.5	130	230	21.4
250 270	200	3570	315M	94.3	93.8	92.0	91.7	91.0	89.0	607	4425	54.7	100	220	7.2
		1775	315M	94.3	93.7	92.1	90.5	88.5	82.0	615	4425	109.7	120	230	14.2

NOTE: 1. The above are typical values based on test. 2. Tolerance According to IEC 34-1.
3. Efficiency, power factor, speed and torque are the same for other voltages. Current values vary inversely with voltage.
4. Data subject to change without notice.

PERFORMANCE DATA

380V 50Hz

OUTPUT		FULL LOAD RPM	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE			ROTOR GD² kg-m²
HP	kW			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED LOAD (A)	FULL LOAD (kg-m)	LOCKED LOAD (%FLT)	PULL OUT (%FLT)	
0.25	0.18	2725	63	56.0	59.5	54.0	76.5	71.0	59.0	0.66	3.5	0.067	400	330	0.002
		1345	63	64.0	63.0	57.0	68.5	58.5	45.5	0.15	3.5	0.135	220	240	0.002
		910	71	60.0	54.5	48.0	60.0	52.0	42.0	0.79	3.5	0.199	260	270	0.007
0.5	0.37	2815	71	75.0	74.5	70.5	85.0	78.0	67.0	0.89	7	0.129	320	280	0.002
		1370	71	65.5	66.0	60.5	70.0	62.0	49.0	1.24	7	0.265	200	230	0.005
		930	80	63.0	61.5	55.0	67.0	57.0	45.5	1.34	7	0.390	200	230	0.009
1	0.75	2800	80	76.5	79.0	76.0	87.0	82.0	73.0	1.70	11	0.259	220	280	0.005
		1395	80	72.0	72.5	68.5	74.0	67.0	54.0	2.13	11	0.520	250	280	0.009
		950	90L	71.0	71.5	66.5	70.0	61.0	49.0	2.28	11	0.764	190	230	0.017
2	1.5	2840	90L	80.0	82.0	80.0	88.0	84.0	75.5	3.22	23	0.511	250	280	0.010
		1400	90L	75.5	77.0	75.0	78.5	74.0	60.5	3.82	23	1.037	220	280	0.017
		930	100L	75.5	75.0	71.0	71.5	66.0	52.5	4.20	23	1.561	180	220	0.033
3	2.2	2845	90L	83.5	84.5	83.0	88.5	84.0	75.5	4.60	39	0.765	250	280	0.015
		1435	100L	80.0	81.5	79.0	82.0	74.0	62.0	5.18	39	1.517	210	260	0.033
		955	112M	78.0	79.0	76.5	76.0	67.5	55.0	5.74	39	2.280	180	230	0.059
5	3.7	2880	112M	85.5	86.5	84.5	90.0	87.0	79.0	7.36	63	1.260	240	320	0.038
		1445	112M	84.5	84.0	82.5	83.5	76.5	65.0	8.03	63	2.512	220	290	0.059
		960	132S	80.5	81.0	77.0	75.5	65.5	53.5	9.32	63	3.781	180	230	0.151
7.5	5.5	2905	132S	86.5	87.5	85.5	88.5	86.5	81.0	11.1	93	1.874	210	260	0.063
		1445	132S	86.0	85.5	83.0	82.5	77.0	65.5	12.0	93	3.767	220	280	0.104
		960	132M	84.5	84.0	81.0	77.5	71.0	60.0	13.0	93	5.671	200	230	0.217
10	7.5	2905	132S	88.5	88.5	87.0	88.5	85.0	78.0	14.5	116	2.499	200	250	0.076
		1450	132M	87.5	88.0	86.5	85.5	81.5	71.0	15.2	116	5.006	220	250	0.143
		975	160M	85.5	86.5	84.0	80.0	71.5	59.0	16.6	116	7.445	270	300	0.400
15	11	2940	160M	88.5	88.5	87.0	90.0	87.5	81.5	21.3	168	3.703	210	290	0.147
		1460	160M	89.5	90.0	89.0	88.0	84.0	76.0	21.6	168	7.457	220	250	0.297
		970	160L	88.5	89.5	88.0	84.0	79.5	69.5	22.9	168	11.225	220	260	0.588
20	15	2920	160M	90.0	91.0	90.5	91.0	90.0	87.5	27.7	209	4.972	210	260	0.183
		1465	160L	90.5	90.5	89.0	88.5	83.0	77.5	28.3	209	9.909	230	260	0.381
		975	180MC	89.0	90.5	90.0	82.5	79.0	71.0	30.9	209	14.889	210	230	1.054
25	18.5	2930	160L	90.0	91.0	90.0	89.5	91.5	88.0	35.2	268	6.193	240	290	0.237
		1455	180MC	91.0	91.5	91.0	86.5	82.0	76.0	36.0	268	12.472	210	240	0.571
		975	180LC	90.0	90.5	90.0	82.5	78.0	70.0	38.2	268	18.612	220	240	1.233
30	22	2940	180MA	91.5	91.5	90.0	90.0	87.5	82.5	41.3	319	7.407	210	250	0.302
		1465	180MC	90.5	92.0	92.0	85.5	82.0	75.0	43.9	319	14.864	210	240	0.706
		975	180LC	89.5	90.5	89.0	82.0	76.0	66.0	46.3	319	22.334	230	260	1.438
40	30	2920	180LA	92.0	92.0	91.0	91.0	90.0	86.0	54.2	398	9.943	210	240	0.358
		1455	180LC	91.0	91.5	91.0	85.0	82.0	75.0	58.6	398	19.955	220	230	0.810
		970	200LC	91.0	91.5	91.0	83.0	80.0	74.0	60.0	398	29.932	190	200	1.919
50	37	2940	200LA	91.5	91.0	90.5	87.5	87.5	84.5	70.8	463	12.345	150	210	0.602
		1470	200LC	91.5	92.5	92.5	86.0	86.0	82.0	72.0	463	24.689	190	210	1.422
		975	200LC	90.0	91.5	91.0	80.0	76.0	67.0	78.7	463	37.223	190	210	2.419
60	45	2955	200LA	92.5	92.0	90.0	87.0	85.0	80.0	84.5	582	14.738	160	220	0.633
		1465	200LC	92.0	93.0	93.0	88.5	87.0	81.5	83.5	582	29.728	190	200	1.643
		980	225SC	91.0	92.0	91.5	80.0	82.5	75.0	93.4	582	44.440	190	210	3.023
75	55	2945	225SA	92.5	92.0	90.5	90.5	89.5	85.0	102	725	18.485	140	210	1.187
		1470	225SC	92.5	93.0	92.5	85.0	82.5	75.0	108	725	37.034	180	200	1.979
		980	A250SC	93.5	94.0	93.5	86.0	83.0	76.5	106	725	55.550	200	200	4.923
		735	280S	91.5	91.2	89.5	76.0	69.0	58.0	120	700	72.8	140	210	16.0
100	75	2960	A250SA	93.0	92.5	91.0	90.0	88.0	83.5	135	972	24.522	130	240	1.678
		1475	A250SC	93.0	92.5	92.0	90.0	88.5	83.5	135	927	49.211	170	250	4.226
		975	A250MC	92.5	93.0	92.5	85.0	82.5	76.0	144	927	74.447	200	230	6.382
		735	280M	91.5	91.2	89.5	76.0	69.0	58.0	164	960	99.4	140	210	19.6
125	90	2950	A250MA	94.0	94.0	93.0	90.5	89.5	85.0	167	1245	30.757	140	260	2.014
		1475	A250MC	94.0	94.0	93.5	92.0	92.5	88.5	164	1245	61.513	190	230	5.101
		975	280S	93.0	92.8	91.2	81.5	77.0	67.0	180	1150	90.0	130	230	13.8
		735	315S	92.0	91.5	90.0	77.0	70.0	60.0	193	1150	119.3	140	210	21.5
150	110	2950	280S	93.5	92.8	91.0	88.0	86.0	82.0	203	1400	36.3	100	220	4.0
		1475	280S	93.2	92.8	91.2	84.0	82.0	75.0	213	1400	72.6	130	230	7.6
		975	280M	93.2	92.8	91.2	81.5	77.0	67.0	220	1400	110.0	130	230	15.2
		735	315M	92.0	91.5	90.0	77.0	70.0	60.0	236	1400	145.7	140	210	25.5
175	132	2950	280M	93.5	92.8	91.0	88.0	86.0	82.0	244	1690	43.6	100	220	4.5
		1475	280M	93.5	93.0	91.5	84.5	82.5	75.0	254	1690	87.2	130	230	8.6
		980	315S	93.5	93.0	91.5	84.0	77.0	67.0	255	1690	131.0	130	230	18.5
200	160	2960	315S	94.1	93.7	92.0	90.5	89.0	84.0	285	2050	52.6	100	220	5.7
215		1480	315S	94.1	93.6	92.0	89.0	87.0	80.0	290	2050	105.3	130	230	11.2
		980	315M	93.6	93.1	91.5	86.0	82.0	74.0	302	2050	159.0	130	230	21.4
250	200	2960	315M	94.1	93.7	92.0	90.5	89.0	84.0	357	2560	65.8	100	220	7.2
270		1480	315M	94.1	93.7	92.0	89.0	87.0	80.0	363	2560	131.6	130	230	14.2

NOTE: 1. The above are typical values based on test. 2. Tolerance According to IEC 34-1.
3. Efficiency, power factor, speed and torque are the same for other voltages. Current values vary inversely with voltage.
4. Data subject to change without notice.

HORIZONTAL FOOT MOUNTED

Totally Enclosed Fan Cooled, Squirrel Cage Rotor.

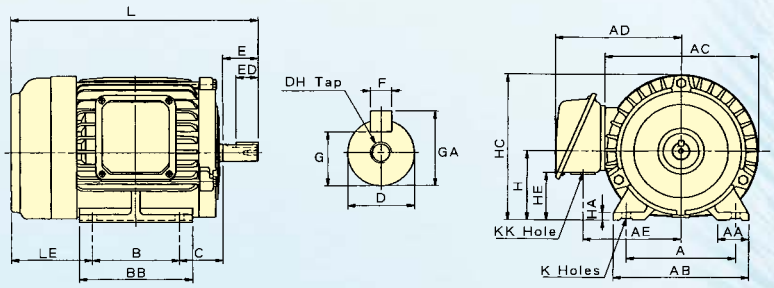


Fig.1

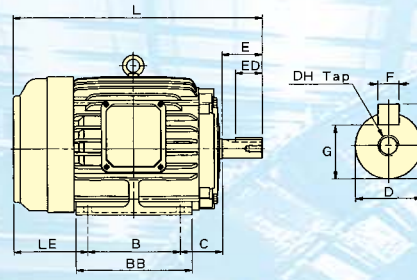


Fig.2

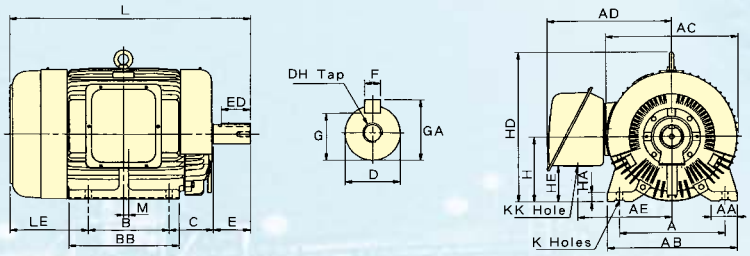


Fig.4

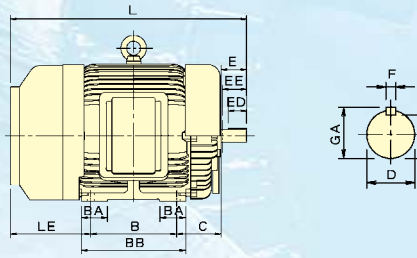


Fig.5

OUTPUT(HP)				FRAME NO.	FIG NO.	A	AA	AB	AC	AD	AE	AF	B	BA	M	BB	C	H	HA	HC
2P	4P	6P	8P																	
1/4	1/4	—	—	63		100	28	120	144	123	93	—	80	—	—	100	40	63	8	135
1/2	1/2	1/4	—	71	1	112	35.5	140	162	133	103	—	90	—	—	115	45	71	8	152
1	1	1/2	1/4	80		125	35.5	155	177	144	112	—	100	—	—	130	50	80	9	168.5
2 3	2	1	1/2	90L		140	35.5	170	200	157	125	—	125	—	—	150	56	90	10	190
—	3	2	1	100L		160	45	195	219	180	145	—	140	—	—	175	63	100	12.5	—
5	5	3	2	112M	2	190	45	224	238	189	154	—	140	—	—	175	70	112	14	—
7.5 10	7.5	5	3	132S		216	45	250	273	225	180	—	140	—	—	175	89	132	16	—
—	10	7.5	5	132M		216	45	250	273	225	180	—	178	—	—	212	89	132	16	—
15 20	15	10	7.5	160M		254	50	300	334	263	218	—	210	—	—	250	108	160	18	—
25	20	15	10	160L		254	50	300	334	263	218	—	254	—	—	300	108	160	18	—
30	—	—	—	180MA		279	75	355	382	305	250	—	241	—	—	297	121	180	20	—
—	25 30	20	15	180MC		279	75	355	382	305	250	—	241	—	—	297	121	180	20	—
40	—	—	—	180LA	3	279	75	355	382	305	250	—	279	—	—	335	121	180	20	—
—	40	25 30	20	180LC		279	75	355	382	305	250	—	279	—	—	335	121	180	20	—
50 60	—	—	—	200LA		318	80	400	420	342	279	—	305	—	—	365	133	200	25	—
—	50 60	40 50	25 30	200LC		318	80	400	420	342	279	—	305	—	—	365	133	200	25	—
75	—	—	—	225SA		356	90	450	458	386	312	—	286	—	—	350	149	225	30	—
—	75	60	40	225SC		356	90	450	458	386	312	—	286	—	—	350	149	225	30	—
100	—	—	—	A250SA		406	100	500	510	479	364	—	311	—	19	425	168	250	36	—
—	100	75	50	A250SC	4	406	100	500	510	479	364	—	311	—	19	425	168	250	36	—
125	—	—	—	A250MA		406	100	500	510	479	364	—	349	—	28.5	480	168	250	36	—
—	125	100	60	A250MC		406	100	500	510	479	364	—	349	—	28.5	480	168	250	36	—
150	—	—	—	280S	5	457	110	560	625	610	455	305	368	110	—	445	190	280	36	—
—	150	125	75	280S	6	457	110	560	625	610	455	305	368	110	—	445	190	280	36	—
175	—	—	—	280M	5	457	110	560	625	610	455	305	419	130	—	495	190	280	36	—
—	175	150	100	280M	6	457	110	560	625	610	455	305	419	130	—	495	190	280	36	—
200 215	—	—	—	315S	5	508	115	615	625	610	455	305	406	115	—	490	216	315	40	—
—	200 215	175	125	315S	6	508	115	615	625	610	455	305	406	115	—	490	216	315	40	—
250 270	—	—	—	315M	5	508	115	615	625	610	455	305	457	115	—	540	216	315	40	—
—	250 270	200 215	150	315M	6	508	115	615	625	610	455	305	457	115	—	540	216	315	40	—

Note: 1. Tolerance of shaft end diameter D: ϕ11- ϕ28 : j6, ϕ38- ϕ48 : k6, ϕ55- ϕ95 : m6 2. Tolerance of shaft center height h: +0, -0.5 for 250mm and under, +0, -1 for 28

5. Data Subject to change without notice

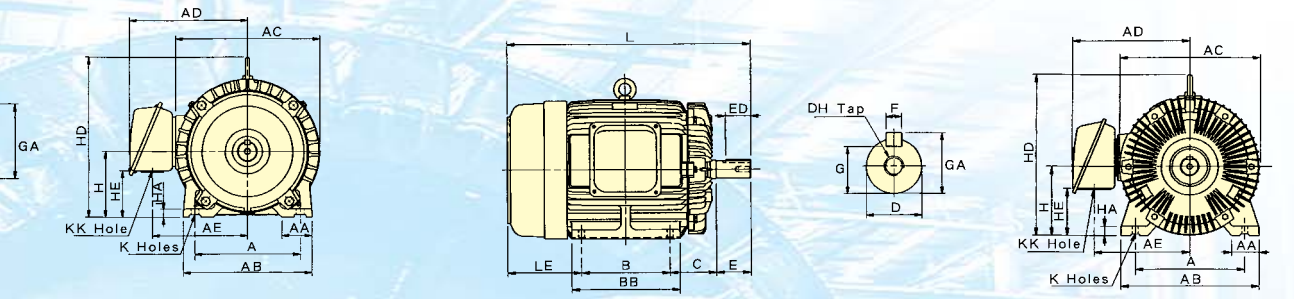


Fig.3

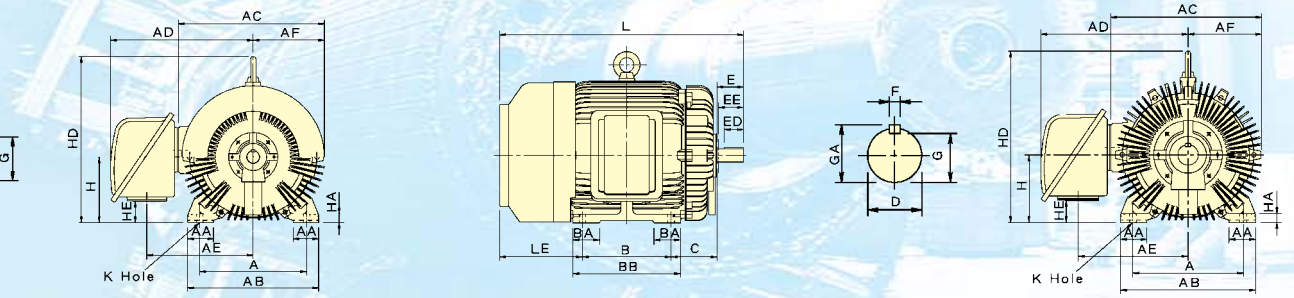


Fig.6

Dimension : mm

HD	HE	K	KK	L	LE	SHAFT EXTENSION								BEARINGS		APPROX WEIGHT KGS		
						D	E	ED	EE	F	G	GA	DH	DRIVE END	OPP. DRIVE END			
—	29	7	22	219	76	11	23	18	—	4	8.5	12.5	M4×8	*6201zz	*6201zz	8.5		
—	54	7	22	250.5	85.5	14	30	24	—	5	11	16	M5×10	*6202zz	*6202zz	12		
—	55	10	22	282.5	92.5	19	40	25	—	6	15.5	21.5	M6×12	*6204zz	*6204zz	14		
—	65	10	22	332.5	101.5	24	50	32	—	8	20	27	M8×16	*6205zz	*6205zz	24.5		
243	71	12	28	374.5	111.5	28	60	40	—	8	24	31	M10×20	*6206zz	*6305zz	31		
265	83	12	28	391.5	121.5	28	60	40	—	8	24	31	M10×20	*6306zz	*6306zz	42		
310	83	12	35	454	145	38	80	64	—	10	33	41	M12×24	*6308zz	*6306zz	67		
310	83	12	35	492	145	38	80	64	—	10	33	41	M12×24	*6308zz	*6306zz	78		
377	108	14.5	35	608	180	42	110	80	—	12	37	45	M16×32	*6309zz	*6307zz	122		
377	108	14.5	35	652	180	42	110	80	—	12	37	45	M16×32	*6309zz	*6307zz	144		
431	118	14.5	52	672	200	48	110	80	—	14	42.5	51.5	M16×32	*6311zzC3	*6310zzC3	185		
431	118	14.5	52	672	200	48	110	80	—	14	42.5	51.5	M16×32	*6311zz	*6310zz	182		
431	118	14.5	52	710	200	55	110	80	—	16	49	59	M20×40	*6312zzC3	*6310zzC3	213		
431	118	14.5	52	710	200	55	110	80	—	16	49	59	M20×40	*6312zz	*6310zz	215		
469	128	18.5	65	770	222	55	110	80	—	16	49	59	M20×40	*6312zzC3	*6212zzC3	282		
469	128	18.5	65	800	222	60	140	110	—	18	53	64	M20×40	*6314zzC3	*6212zzC3	315		
524	153	18.5	92	786	241	55	110	80	—	16	49	59	M20×40	*6312zzC3	*6212zzC3	345		
524	153	18.5	92	816	241	65	140	110	—	18	58	69	M20×40	*6315zz	*6213zz	373		
595	139	24	92	890.5	301.5	55	110	80	—	16	49	59	M20×40	6313C3	6313C3	502		
595	139	24	92	920.5	301.5	75	140	110	—	20	67.5	79.5	M20×40	NU316	6313	515		
595	139	24	92	947.5	320.5	55	110	80	—	16	49	59	M20×40	6313C3	6313C3	508		
595	139	24	92	977.5	320.5	75	140	110	—	20	67.5	79.5	M20×40	NU316	6313	520		
710	91	24	—	1012	344	55	110	80	104	16	49	59	—	6314C3	6314C3	700		
710	91	24	—	1072	344	85	170	140	157	22	76	90	—	NU320C3	6316	720	720	780
710	91	24	—	1062	343	55	110	80	104	16	49	59	—	6314C3	6314C3	750		
710	91	24	—	1122	343	85	170	140	157	22	76	90	—	NU320C3	6316	830	830	860
743	126	28	—	1101	369	55	110	80	104	16	49	59	—	6314C3	6314C3	900		
743	126	28	—	1161	369	95	170	140	157	25	86	100	—	NU320C3	6316	950	950	920
743	126	28	—	1152	369	55	110	80	104	16	49	59	—	6314C3	6314C3	1020		
743	126	28	—	1212	369	95	170	140	157	25	86	100	—	NU320C3	6316	1040	1050	1020

0mm and above. 3. Grease Pre-Packed shielded Rolling Bearings 4. Frequency 50Hz and 50/60Hz of center height 250mm and under are suitable for CE marking

FLANGE TYPE

Totally Enclosed Fan Cooled, Squirrel Cage Rotor.

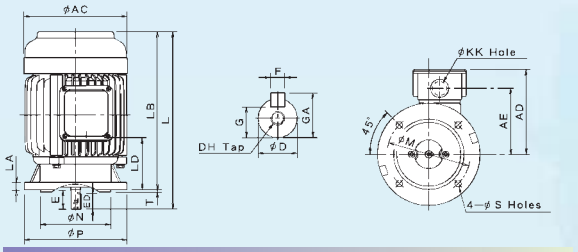


Fig.1

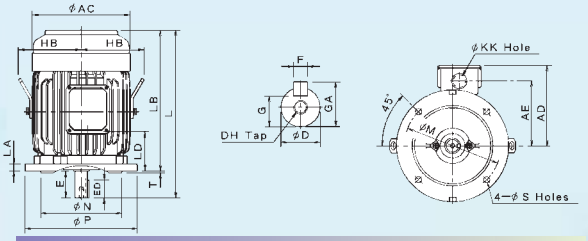


Fig.2

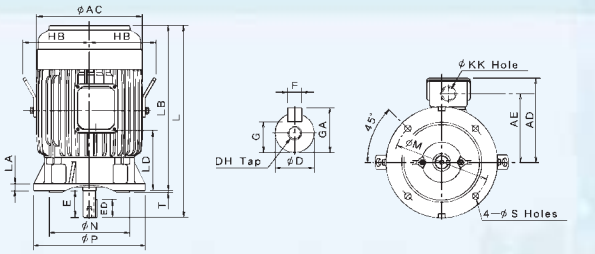


Fig.3

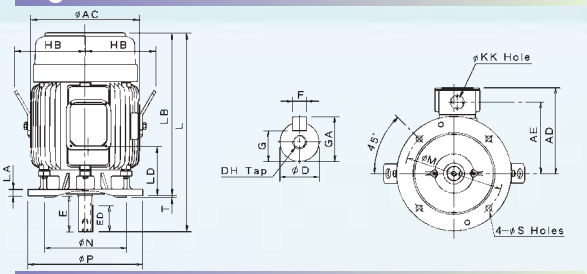


Fig.4

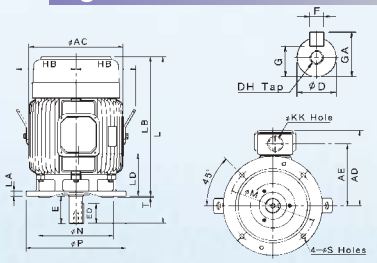


Fig.5

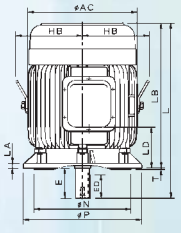


Fig.6

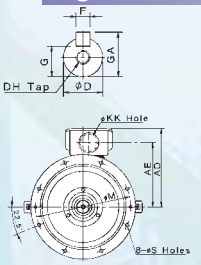
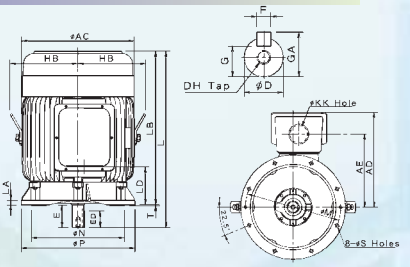


Fig.7



Dimension : mm

OUTPUT(HP)				FRAME NO.	FIG NO.	AC	AD	AE	HB	KK	L	LA	LB	LD	M	N	P	S	T	SHAFT EXTENSION						
2P	4P	6P	8P																	D	E	ED	F	G	GA	DH
1/4	1/4	—	—	63	1	144	123	93	—	22	248	12	225	74	130	110	160	10	3.5	11	23	18	4	8.5	12.5	M 4× 8
1/2	1/2	1/4	—	71		162	133	103	—	22	277.5	12	247.5	82	130	110	160	10	3.5	14	30	24	5	11	16	M 5×10
1	1	1/2	1/4	80	2	177	144	112	—	22	282	12	242	60	165	130	200	12	3.5	19	40	25	6	15.5	21.5	M 6×12
2 3	2	1	1/2	90L	3	200	157	125	—	22	371.5	12	321.5	113	165	130	200	12	3.5	24	50	32	8	20	27	M 8×16
—	3	2	1	100L	2	219	180	145	140	28	374.5	16	314.5	88	215	180	250	14.5	4	28	60	40	8	24	31	M10×20
5	5	3	2	112M	3	238	189	154	150	28	431	16	371	135	215	180	250	14.5	4	28	60	40	8	24	31	M10×20
7.5 10	7.5	5	3	132S	2	273	224	180	169	35	454	20	374	97	265	230	300	14.5	4	38	80	64	10	33	41	M12×24
—	10	7.5	5	132M		273	224	180	169	35	492	20	412	116	265	230	300	14.5	4	38	80	64	10	33	41	M12×24
15 20	15	10	7.5	160M	4	334	263	218	217	35	608	20	498	151	300	250	350	18.5	5	42	110	80	12	37	45	M16×32
25	20	15	10	160L		334	263	218	217	35	652	20	542	173	300	250	350	18.5	5	42	110	80	12	37	45	M16×32
30	—	—	—	180MA	5	382	305	250	241	52	672	20	562	170.5	350	300	400	18.5	5	48	110	80	14	42.5	51.5	M16×32
—	25 30	20	15	180MC		382	305	250	241	52	672	20	562	170.5	350	300	400	18.5	5	48	110	80	14	42.5	51.5	M16×32
40	—	—	—	180LA		382	305	250	241	52	710	20	600	189.5	350	300	400	18.5	5	55	110	80	16	49	59	M20×40
—	40	25 30	20	180LC		382	305	250	241	52	710	20	600	189.5	350	300	400	18.5	5	55	110	80	16	49	59	M20×40
50 60	—	—	—	200LA	6	420	342	279	260	65	770	20	660	194.5	400	350	450	18.5	5	55	110	80	16	49	59	M20×40
—	50 60	40 50	25 30	200LC		420	342	279	260	65	800	20	660	194.5	400	350	450	18.5	5	60	140	110	18	53	64	M20×40
75	—	—	—	225SA		458	386	312	286	92	786	22	676	190	500	450	550	18.5	5	55	110	80	16	49	59	M20×40
—	75	60	40	225SC		458	386	312	286	92	816	22	676	190	500	450	550	18.5	5	65	140	110	18	58	69	M20×40
100	—	—	—	A250SA	7	510	479	364	312	92	890.5	22	780.5	201.5	500	450	550	18.5	5	55	110	80	16	49	59	M20×40
—	100	75	50	A250SC		510	479	364	312	92	920.5	22	780.5	201.5	500	450	550	18.5	5	75	140	110	20	67.5	79.5	M20×40
125	—	—	—	A250MA		510	479	364	312	92	947.5	22	837.5	230	500	450	550	18.5	5	55	110	80	16	49	59	M20×40
—	125	100	60	A250MC		510	479	364	312	92	977.5	22	837.5	230	500	450	550	18.5	5	75	140	110	20	67.5	79.5	M20×40

Note: 1.Tolerance of shaft end diameter D: ϕ11- ϕ28 : j6, ϕ38- ϕ48 : k6, ϕ55- ϕ75 : m6 2. Tolerance of N: h7 3. Data Subject to change without notice

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