



東元全密型 **IE3** 優級效率馬達

MODEL : AESV3S-N/AESU3S-N

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



32057R9729

Rev. 04

		SPECIFICATION TABLE			MODEL	
		3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE			AESV3S-N/AESU3S-N	
ITEM		STANDARD SPECIFICATION				
R A T I O N G	Kind of Motors	Squirrel - Cage Induction Motors (SCIM) .				
	Design Standards	IEC 60034, IEC 60072-1				
	Voltages	380V, 400V, 415V .				
	Frequency	50Hz				
	Output Range	0.55 kW ~ 375 kW .				
	R.P.M. (Syn.)	3000 ~ 750 R.P.M. (2 ~ 8 Poles) .				
	Time Duty	Continuous. S1 , S.F. : 1.0 at 50Hz .				
	Frame Nos.	80M ~ 355C .				
	Protection Enclosure	Totally Enclosed (IP 55) .				
	Cooling Method	Self External Fan, Surface Cooling (IC 411) .				
Mounting	AESV-N : Horizontal Foot Mounted B3 (IM 1001) . AESU-N : Vertical Flange Mounted, Shaft Down V1 (IM 3011) .					
A P P L I C A T I O N	Environment Conditions	Place : Shadow, Non-Hazardous. Ambient Temperature : -15 ~ 40°C . Relative Humidity : Less Than 90%RH (Non-Condensation) . Altitude : Less Than 1,000 Meters .				
	Power Source Conditions	Voltage : ±10%, Frequency : ±5%, and 10% Max. of Combined Voltage and Frequency. But Frequency Variation Does Not Exceed ±5% .				
	Method of Starting	Full Voltage Direct On Line or Y - Δ Starting .				
	Drive Method	Belt Service, However, 2 Pole 45 kW and Up , 4 、 6 & 8 Pole F# 280 and Above Coupling Service is the Way .				
	Direction of Rotation	CW According to IEC Definition, Suitable For Bi - Directional Operation .				
P E R F O R M A N C E	Test Procedure	(DY) IEC 60034-2-1:2007 . (SL) IEC 60034-2:1996 . And Full Voltage Measuring Starting Performance				
	Typical Performance	Model	(DY) DWG NO. (50HZ)			
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	Winding Temperature Rise	Not to Exceed 80 °C Rise by Resistance Method at S.F 1.0 (50Hz) .				
	Over Speed	120% Syn. R.P.M. for 2 Min .				
	Over Torque	160% Rated Torque for 15 Sec .				
	Vibration (r.m.s)	Vibration grade	Shaft height / mm	80 ≤ H ≤ 132	132 < H ≤ 280	H > 280
Mounting			Velocity mm/s	Velocity mm/s	Velocity mm/s	
A		Free suspension	1.6	2.2	2.8	

PERFORMANCE DATA

MODEL

AESV3S-N/AESU3S-N

IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS
LOW VOLTAGE SQUIRREL CAGE

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380, 400, 415V 50HZ

IE3

(2 Pole)

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT				TORQUE				ROTOR GD ² kg-m ²	NOISE at no-load dB(A)	APPROX. WEIGHT kg
kW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)			LRC (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
		380	400							415	400V									
0.75	1	2875	80M	80.7	78.3	75.1	83.5	77.0	65.5	1.69	1.61	1.55	12	0.254	280	275	335	0.006	78	17.0
1.1	1.5	2870	80M	82.7	83.0	81.3	85.0	78.5	66.5	2.38	2.26	2.18	18	0.373	300	295	350	0.007	78	18.5
1.5	2	2850	90S	84.2	85.4	85.8	90.5	87.0	78.0	2.99	2.84	2.74	22	0.512	220	210	300	0.012	78	25.0
2.2	3	2860	90L	85.9	86.7	86.8	89.5	85.0	75.5	4.35	4.13	3.98	35	0.748	245	235	315	0.014	78	27.5
3	4	2855	100L	87.1	88.3	88.4	90.0	86.5	78.5	5.81	5.52	5.32	48	1.022	325	310	355	0.025	82	37.9
3.7	5	2870	112M	87.8	88.2	88.0	90.5	87.5	80.0	7.07	6.72	6.48	60	1.254	290	270	345	0.046	83	48.0
4	5.5	2875	112M	88.1	89.0	88.9	91.0	87.5	80.0	7.58	7.20	6.94	69	1.354	270	250	360	0.046	83	48.0
5.5	7.5	2930	132S	89.2	89.8	89.5	86.0	83.6	77.3	10.9	10.3	9.97	80	1.826	210	205	340	0.075	85	67.5
7.5	10	2920	132S	90.1	90.9	90.8	87.0	84.5	77.5	14.5	13.8	13.3	100	2.499	210	195	315	0.081	85	69.5
11	15	2935	160M	91.2	92.0	92.0	90.0	89.0	83.5	20.4	19.3	18.64	148	3.647	230	185	300	0.183	87	116
15	20	2935	160M	91.9	92.0	92.0	89.0	85.5	77.5	27.9	26.5	25.51	204	4.973	275	230	330	0.205	87	119
18.5	25	2930	160L	92.4	93.0	93.0	90.0	89.5	84.0	33.8	32.1	30.9	247	6.144	245	200	300	0.237	87	128
22	30	2940	180M	92.7	92.7	92.5	87.0	85.0	77.0	41.4	39.4	38.0	300	7.281	225	180	300	0.283	88	166
30	40	2950	200L	93.3	93.5	92.5	90.0	90.0	86.5	54.3	51.6	49.7	376	9.895	200	145	300	0.602	90	237
37	50	2955	200L	93.7	94.5	94.0	91.0	90.5	87.0	65.9	62.6	60.4	482	12.18	210	145	300	0.753	90	272
45	60	2960	225M	94.0	94.0	93.5	91.0	91.0	88.0	79.9	75.9	73.2	585	14.79	170	140	300	1.187	92	300
55	75	2970	250M	94.3	94.5	94.0	91.5	90.0	86.5	96.8	92.0	88.7	708	18.02	165	130	315	1.544	92	414
75	100	2970	280S	94.7	94.6	93.6	90.0	89.8	87.6	134	127	122	1016	24.57	155	135	300	1.935	94	496
90	125	2970	280M	95.0	95.0	94.0	90.5	90.0	82.5	159	151	146	1208	29.48	150	135	285	2.463	94	553
110	150	2980	315S	95.2	95.2	94.3	90.5	89.2	83.2	194	184	178	1419	35.92	200	165	240	3.336	94	800
132	175	2980	315M	95.4	95.3	94.5	90.5	89.5	87.0	232	221	213	1699	43.10	200	165	240	4.800	94	822
160	215	2980	315M ^(*)	95.6	95.5	94.8	91.0	90.0	86.5	279	265	256	2044	52.24	200	165	250	5.200	94	880
160	215	2980	315L	95.6	95.5	94.8	91.0	90.0	86.5	279	265	256	2044	52.24	200	165	250	5.200	94	876
200	270	2980	315L	95.8	95.8	95.2	91.5	90.5	87.5	347	329	317	2536	65.30	200	165	250	7.200	94	1006
220	300	2980	315C ^(*)	95.8	95.6	95.0	90.0	88.5	83.5	388	368	355	2750	71.83	180	150	230	8.400	98	1520
220	300	2980	355M	95.8	95.6	95.0	90.0	88.5	83.5	388	368	355	2750	71.83	180	150	230	8.400	98	1325
250	335	2980	315C ^(*)	95.8	95.6	95.0	91.0	89.5	85.5	436	414	399	3000	81.63	180	150	235	10.00	98	1660
250	335	2980	355M	95.8	95.6	95.0	91.0	89.5	85.5	436	414	399	3000	81.63	180	150	235	10.00	98	1465
315	420	2980	315D ^(*)	95.8	95.6	95.0	91.0	90.0	86.0	549	522	503	3900	102.9	180	150	240	11.20	98	1780
315	420	2980	355L	95.8	95.6	95.0	91.0	90.0	86.0	549	522	503	3900	102.9	180	150	240	11.20	98	1585
375	500	2980	355C	95.8	95.6	94.7	92.5	91.0	87.0	643	611	589	4703	122.4	150	125	280	16.00	98	2500

PERFORMANCE DATA

MODEL

AESV3S-N/AESU3S-N

IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS
LOW VOLTAGE SQUIRREL CAGE

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380, 400, 415V 50HZ

IE3

(4 Pole)

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT				TORQUE				ROTOR GD ² kg-m ²	NOISE at no-load dB(A)	APPROX. WEIGHT kg
kW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)			LRC (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
										380	400	415								
0.55	0.75	1430	80M	79.0	77.9	74.7	69.0	58.5	44.5	1.53	1.46	1.40	9.0	0.374	300	270	320	0.010	66	16.5
0.75	1	1410	80M	82.5	81.8	79.7	73.5	64.0	50.0	1.88	1.79	1.72	11	0.518	315	290	335	0.013	66	17.0
1.1	1.5	1430	90S	84.1	84.4	83.2	79.5	71.5	57.5	2.50	2.37	2.29	17	0.748	255	205	300	0.019	66	25.0
1.5	2	1435	90L	85.3	84.1	82.2	75.0	65.5	51.5	3.56	3.38	3.26	26	1.017	300	235	335	0.023	66	26.5
2.2	3	1450	100L	86.7	87.3	86.9	81.0	73.5	60.5	4.76	4.52	4.36	33	1.476	210	160	300	0.045	70	40.0
3	4	1455	100L	87.7	87.7	86.2	78.0	70.5	57.5	6.66	6.33	6.10	49	2.006	250	240	335	0.052	70	42.0
3.7	5	1445	112M	88.4	89.1	88.0	78.0	70.0	57.0	8.15	7.75	7.47	63	2.491	235	200	305	0.083	72	51.0
4	5.5	1445	112M	88.6	88.4	87.9	82.0	76.5	65.5	8.37	7.95	7.66	57	2.693	245	205	300	0.083	72	51.0
5.5	7.5	1455	132S	89.6	90.4	90.3	85.0	80.5	70.0	11.0	10.4	10.0	77	3.678	240	200	300	0.132	75	68.5
7.5	10	1460	132M	90.4	90.8	90.4	85.0	80.0	73.0	14.8	14.1	13.6	110	4.998	270	225	330	0.172	75	79.5
11	15	1460	160M	91.4	92.0	91.5	85.0	81.0	71.0	21.5	20.4	19.7	151	7.331	230	185	300	0.366	77	119
15	20	1460	160L	92.1	92.5	92.5	85.0	81.5	71.4	29.1	27.7	26.7	207	9.997	250	195	300	0.460	77	139
18.5	25	1475	180M	92.6	94.0	93.0	85.0	82.4	75.0	35.7	33.9	32.7	264	12.20	215	160	280	0.704	80	181
22	30	1475	180L	93.0	93.5	93.0	85.0	81.9	74.1	42.3	40.2	38.7	315	14.51	210	145	275	0.789	80	190
30	40	1470	200L	93.6	94.5	94.5	86.0	84.5	77.0	56.6	53.8	51.8	403	19.86	250	205	300	1.451	83	257
37	50	1480	225S	93.9	94.5	94.0	85.5	82.0	73.0	70.0	66.5	64.1	499	24.33	210	175	300	1.896	84	312
45	60	1480	225M	94.2	94.5	94.0	85.0	80.0	70.4	85.4	81.1	78.2	600	29.58	210	175	300	1.979	84	320
55	75	1485	250M	94.6	94.6	94.0	87.5	84.5	77.0	101	95.9	92.4	719	36.04	210	185	295	3.911	85	429
75	100	1480	280S	95.0	95.0	94.5	85.0	82.0	73.0	141	134	129	1072	49.31	160	150	300	5.033	88	564
90	125	1480	280M	95.2	95.2	94.7	85.0	81.0	71.3	169	161	155	1288	59.17	175	165	300	6.112	88	639
110	150	1484	315S	95.4	95.5	95.1	88.0	87.0	80.5	199	189	182	1400	72.12	180	165	240	8.056	90	850
132	175	1484	315M	95.6	95.6	95.2	88.0	87.5	82.0	238	226	218	1582	86.55	180	165	230	10.40	90	862
160	215	1485	315M*	95.8	95.8	95.5	88.0	88.0	82.0	288	274	264	1918	104.8	180	165	230	11.60	90	902
160	215	1485	315L	95.8	95.8	95.5	88.0	88.0	82.0	288	274	264	1918	104.8	180	165	230	11.60	90	916
200	270	1485	315L	96.0	96.0	95.8	88.0	89.0	84.5	360	342	329	2394	131.0	180	165	230	14.00	90	1106
220	300	1488	315C*	96.0	95.9	95.2	86.0	82.0	72.0	405	385	371	2800	143.9	200	165	260	24.00	92	1640
220	300	1488	355M	96.0	95.9	95.2	86.0	82.0	72.0	405	385	371	2800	143.9	200	165	260	24.00	92	1445
250	335	1488	315C*	96.0	96.0	95.4	86.5	83.5	75.0	457	435	419	3100	163.5	200	165	260	26.00	92	1740
250	335	1488	355M	96.0	96.0	95.4	86.5	83.5	75.0	457	435	419	3100	163.5	200	165	260	26.00	92	1697
315	420	1488	315D*	96.0	96.0	95.5	86.5	83.5	75.0	576	548	528	3900	206.0	200	165	260	29.20	92	1940
315	420	1488	355L	96.0	96.0	95.5	86.5	83.5	75.0	576	548	528	3900	206.0	200	165	260	29.20	92	1745
375	500	1488	355C	96.0	96.0	95.5	89.5	87.0	81.0	663	630	607	4570	245.2	200	165	270	35.60	92	2500

		PERFORMANCE DATA										MODEL AESV3S-N/AESU3S-N	
		IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE											

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380, 400, 415V 50HZ

IE3

(6 Pole)

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT				TORQUE				ROTOR GD ² kg-m ²	NOISE at no-load dB(A)	APPROX. WEIGHT kg
kW	HP			FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A)			LRC (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
										VOLTAGE										
									380	400	415	400V								
0.55	0.75	905	80M	70.0	69.7	66.2	69.0	58.0	44.5	1.73	1.64	1.58	6.0	0.591	210	195	250	0.012	63	18.5
0.75	1	935	90S	78.9	80.6	79.4	71.0	62.5	49.0	2.03	1.93	1.86	9.0	0.780	210	190	250	0.022	63	26.0
1.1	1.5	930	90L	81.0	81.2	80.5	72.0	63.5	50.0	2.87	2.72	2.62	13	1.151	210	185	240	0.026	63	29.5
1.5	2	950	100L	82.5	82.9	81.5	72.5	65.0	52.0	3.81	3.62	3.49	18	1.536	210	175	250	0.058	64	40.0
2.2	3	960	112M	84.3	84.3	82.2	67.0	59.0	47.0	5.92	5.62	5.42	29	2.230	190	180	280	0.083	70	50.0
3	4	970	132S	85.6	86.1	85.1	76.0	69.0	58.5	7.01	6.66	6.42	41	3.009	195	170	300	0.137	73	68.5
3.7	5	965	132M	86.5	87.5	87.0	77.0	70.0	58.0	8.44	8.02	7.73	56	3.731	200	185	275	0.182	73	75.0
4	5.5	970	132M	86.8	87.0	85.6	77.0	70.0	57.5	9.09	8.64	8.33	58	4.012	200	185	310	0.182	73	83.0
5.5	7.5	970	132M	88.0	88.5	87.6	79.5	72.5	60.0	11.9	11.3	10.9	88	5.517	210	205	300	0.216	73	84.0
7.5	10	970	160M	89.1	90.0	89.0	79.0	73.0	61.0	16.2	15.4	14.8	110	7.523	235	210	300	0.483	73	124
11	15	970	160L	90.3	91.0	90.5	78.0	72.0	60.5	23.7	22.5	21.7	168	11.03	295	255	300	0.628	73	138
15	20	970	180L	91.2	92.0	92.0	82.0	78.0	68.0	30.5	29.0	27.9	200	15.05	215	165	255	1.337	77	190
18.5	25	975	200L	91.7	92.5	92.5	80.5	76.0	66.5	38.1	36.2	34.9	260	18.46	220	185	265	1.829	80	242
22	30	975	200L	92.2	93.0	93.5	81.5	77.0	68.0	44.5	42.3	40.7	305	21.95	210	185	265	2.078	80	262
30	40	980	225M	92.9	93.5	93.5	83.5	80.0	76.5	58.8	55.8	53.8	335	29.79	210	160	240	3.023	80	345
37	50	980	250M	93.3	94.0	94.0	85.0	81.5	75.0	70.9	67.3	64.9	490	36.74	230	200	280	4.194	82	409
45	60	985	280S	93.7	93.7	93.0	81.5	77.5	67.5	89.5	85.1	82.0	587	44.45	185	175	285	5.530	85	504
55	75	985	280M	94.1	94.1	93.5	83.0	80.0	71.0	107	102	98.0	700	54.33	185	175	300	6.733	85	568
75	100	985	315S	94.6	94.7	94.1	85.0	82.0	72.5	142	135	130	930	74.09	200	165	240	9.945	85	741
90	125	987	315M	94.9	94.9	94.5	85.5	83.0	75.5	169	160	154	1200	88.72	200	165	240	15.20	85	822
110	150	988	315M [*]	95.1	95.1	94.7	85.5	83.0	75.5	206	195	188	1400	108.3	200	165	240	18.40	85	922
110	150	988	315L	95.1	95.1	94.7	85.5	83.0	75.5	206	195	188	1400	108.3	200	165	240	18.40	85	976
132	175	988	315L	95.4	95.4	95.0	85.0	82.7	75.0	247	235	226	1650	130.0	200	165	240	20.40	86	1096
160	215	988	315L [*]	95.6	95.6	95.2	85.0	82.0	74.0	299	284	274	2000	157.6	200	165	250	23.20	86	1136
160	215	988	355M	95.6	95.6	95.1	86.0	83.0	74.0	296	281	271	2000	157.6	170	145	250	35.61	88	1445
200	270	988	315C [*]	95.8	95.8	95.2	86.0	83.0	74.5	369	350	338	2500	197.0	170	145	250	40.66	88	1780
200	270	988	355M	95.8	95.8	95.2	86.0	83.0	74.5	369	350	338	2500	197.0	170	145	250	40.66	88	1585
220	300	988	315C [*]	95.8	95.8	95.4	86.5	84.0	76.0	403	383	369	2800	216.7	170	145	250	43.68	88	1860
220	300	988	355M	95.8	95.8	95.4	86.5	84.0	76.0	403	383	369	2800	216.7	170	145	250	43.68	88	1665
250	335	988	315D [*]	95.8	95.8	95.4	86.5	83.5	75.0	458	435	420	3250	246.2	170	145	250	46.69	88	1960
250	335	988	355L	95.8	95.8	95.4	86.5	83.5	75.0	458	435	420	3250	246.2	170	145	250	46.69	88	1765
315	420	988	355C	95.8	95.8	95.5	87.0	85.0	78.0	574	546	526	3700	310.2	170	145	250	55.29	88	2800

		PERFORMANCE DATA											MODEL	
		IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE											AESV3S-N/AESU3S-N	

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380, 400, 415V 50HZ

IE3

(8 Pole)

TYPICAL PERFORMANCE

OUTPUT		FULL LOAD rpm	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT				TORQUE				ROTOR GD ² kg-m ²	NOISE at no-load dB(A)	APPROX. WEIGHT kg
				FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	2/4 LOAD (%)	FULL LOAD (A) VOLTAGE			LRC (A)	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
kW	HP									380	400	415	400V							
0.18	0.25	705	80M	58.7	53.9	46.2	51.5	43.5	35.5	0.90	0.86	0.83	3.4	0.248	300	275	305	0.013	63	17.4
0.37	0.5	705	90S	69.3	66.6	62.3	59.0	48.5	39.0	1.37	1.31	1.26	4.8	0.511	195	175	235	0.017	63	21.2
0.55	0.75	705	90L	73.0	71.5	68.9	63.5	53.0	42.5	1.80	1.71	1.65	6.8	0.759	170	150	220	0.025	63	24.6
0.75	1	700	100L	75.0	74.7	70.9	60.5	51.0	39.0	2.51	2.39	2.30	10	1.043	225	215	235	0.041	64	31.2
1.1	1.5	695	100L	77.7	78.8	76.8	66.0	57.0	44.0	3.26	3.10	2.98	13	1.540	200	190	210	0.059	64	37.9
1.5	2	700	112M	79.7	80.2	79.1	69.5	61.0	48.0	4.11	3.91	3.77	18	2.085	165	140	205	0.090	70	49.7
2.2	3	705	132S	81.9	82.2	79.8	69.0	60.0	46.5	5.91	5.62	5.42	31	3.036	230	205	265	0.138	71	62.0
3	4	715	132M	83.5	83.2	80.1	63.0	53.5	40.5	8.66	8.23	7.93	47	4.083	280	250	325	0.180	71	68.0
3.7	5	725	160M	84.4	83.7	80.7	69.0	60.5	47.0	9.65	9.17	8.84	59	4.966	250	247	365	0.343	72	106
4	5.5	720	160M	84.8	84.7	82.5	70.5	62.0	48.5	10.2	9.66	9.31	57	5.406	190	170	250	0.343	72	106
5.5	7.5	720	160M	86.2	85.2	83.3	71.5	63.0	50.0	13.6	12.9	12.4	78	7.433	200	185	275	0.503	72	125
7.5	10	720	160L	87.3	87.3	85.8	71.0	64.5	51.0	18.4	17.5	16.8	104	10.14	225	215	295	0.670	72	144
11	15	720	180L	88.6	88.6	88.1	78.0	73.0	62.0	24.2	23.0	22.1	130	14.87	170	150	210	1.273	76	187
15	20	730	200L	89.6	88.9	87.5	78.0	72.0	60.0	32.6	31.0	29.9	187	19.99	195	170	230	2.082	79	266
18.5	25	735	225S	90.1	90.6	89.6	72.0	65.5	58.0	43.3	41.2	39.7	220	24.49	210	185	235	2.675	79	300
22	30	735	225M	90.6	90.6	90.6	74.5	69.0	63.0	49.5	47.0	45.3	240	29.12	210	170	215	3.023	79	340
30	40	735	250M	91.3	91.3	91.3	74.5	68.0	58.0	67.0	63.7	61.4	350	39.71	210	170	245	4.565	80	419
37	50	735	280S	91.8	92.3	91.3	78.0	73.4	63.2	78.5	74.6	71.9	429	48.98	135	130	230	6.277	82	526
45	60	735	280M	92.2	92.7	92.2	76.0	71.5	61.0	97.6	92.7	89.3	542	59.57	140	130	220	7.726	82	597
55	75	735	315S	92.5	92.6	92.0	82.0	77.5	68.5	110	105	101	677	72.81	130	115	260	9.983	82	711
75	100	738	315M	93.1	93.3	92.9	81.0	78.5	70.0	151	144	138	775	98.88	135	120	260	22.33	82	850
90	125	738	315L	93.4	93.6	93.1	80.0	75.5	65.5	183	174	168	1008	118.7	160	145	225	24.01	82	1026
110	150	738	315L	93.7	94.0	93.7	80.0	78.5	70.0	223	212	204	1181	145.0	150	135	210	0.00	82	1056
132	175	740	315C*	94.0	93.9	93.0	80.0	75.5	65.0	267	253	244	1679	173.6	105	90	260	36.29	85	1650
132	175	740	355M	94.0	93.9	93.0	80.0	75.5	65.0	267	253	244	1679	173.6	105	90	260	36.29	85	1455
160	215	740	315C*	94.3	94.2	93.5	80.0	74.5	63.5	322	306	295	2073	210.4	110	95	265	42.34	85	1760
160	215	740	355M	94.3	94.2	93.5	80.0	74.5	63.5	322	306	295	2073	210.4	110	95	265	42.34	85	1565
200	270	740	315D*	94.6	94.6	94.0	80.0	75.5	65.0	402	381	368	2571	263.0	110	95	260	52.93	85	1870
200	270	740	355L	94.6	94.6	94.0	80.0	75.5	65.0	402	381	368	2571	263.0	110	95	260	52.93	85	1675
220	300	740	315D*	94.6	94.6	94.1	80.5	76.0	66.0	439	417	402	2798	289.3	110	95	260	58.22	85	1980
220	300	740	355L	94.6	94.6	94.1	80.5	76.0	66.0	439	417	402	2798	289.3	110	95	260	58.22	85	1785
250	335	740	355C	94.6	94.8	94.6	82.0	79.0	69.0	490	465	448	3419	328.7	130	115	260	74.99	85	2580

	PERFORMANCE DATA	MODEL AESV3S-N/AESU3S-N
	IE3 EFFICIENCY 3-PHASE INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE	

TEFC, CLASS F, 40°C AMBIENT TEMP.
IEC DESIGN N CONTINUOUS DUTY
S.F. 1.0, 380, 400, 415V 50HZ

IE3

- NOTE :
1. The above are typical values based on test according to IEC 60034-2-1:2007. (DY)
 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. (*) small frame : NOT standard design.
 6. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
 7. Data subject to change without notice.
 8. F#315C & 315D : only suitable for IM B3 and IM B35.

OUTLINE DIMENSIONS SHEET

TYPE

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 80M ~ 112M

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

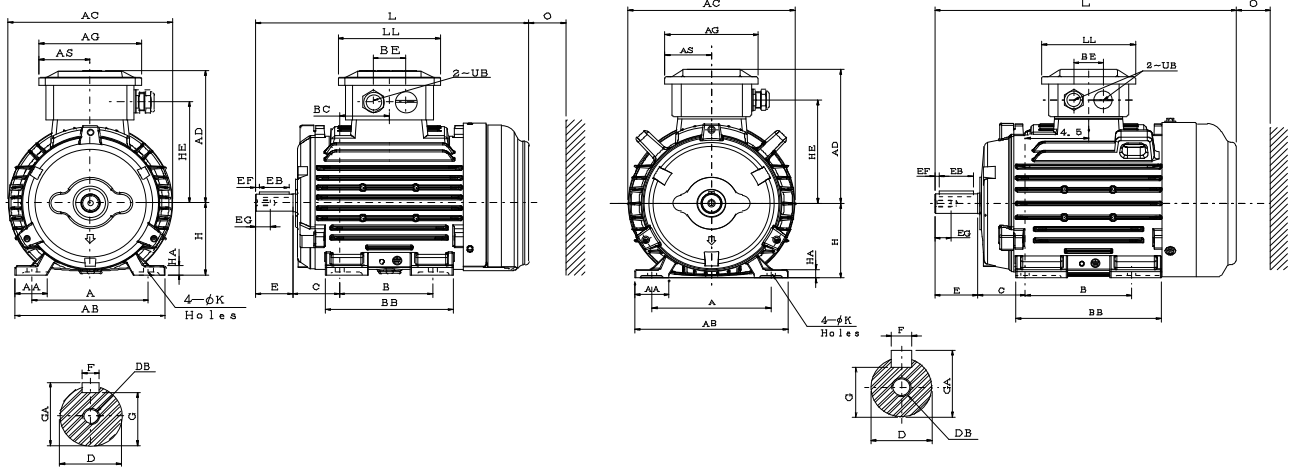


FIG.1

FIG.2

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BB	BC	BE	C	H	HA	HE	
2P	4P	6P	8P			125	34.5	161	177	152	109	54.5	100	---	137	53.5	35	50	80	10	115	
0.75	0.55	---	0.18	80M	1																	
1.1	0.75	0.55	---																			
1.5	1.1	0.75	0.37	90S	2	140	40	180	197	162	109	54.5	100	---	161	69.5	35	56	90	10	125	
2.2	1.5	1.1	0.55	90L		140	40	180	197	162	109	54.5	125	---	171	74.5	35	56	90	10	125	
3	2.2	1.5	0.75	100L		160	40	200	219	178.5	125	62.5	140	---	181	72.5	40	63	100	12	146	
---	3	---	1.1																			
3.7	3.7	2.2	1.5	112M		190	45	235	235	191	125	62.5	140	---	186	75	40	70	112	13	153.5	
FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING								
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END						
80M	10	292	109	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZC3	6203ZZC3						
90S	10	344	109	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZC3	6204ZZC3						
90L	10	354	109	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZC3	6204ZZC3						
100L	12	391	125	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZC3	6205ZZC3						
112M	12	412.5	125	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZC3	6305ZZC3						

Note : 1. Tolerance of shaft end diameter D : j6.

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

OUTLINE DIMENSIONS SHEET

TYPE

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 132S ~ 132M

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

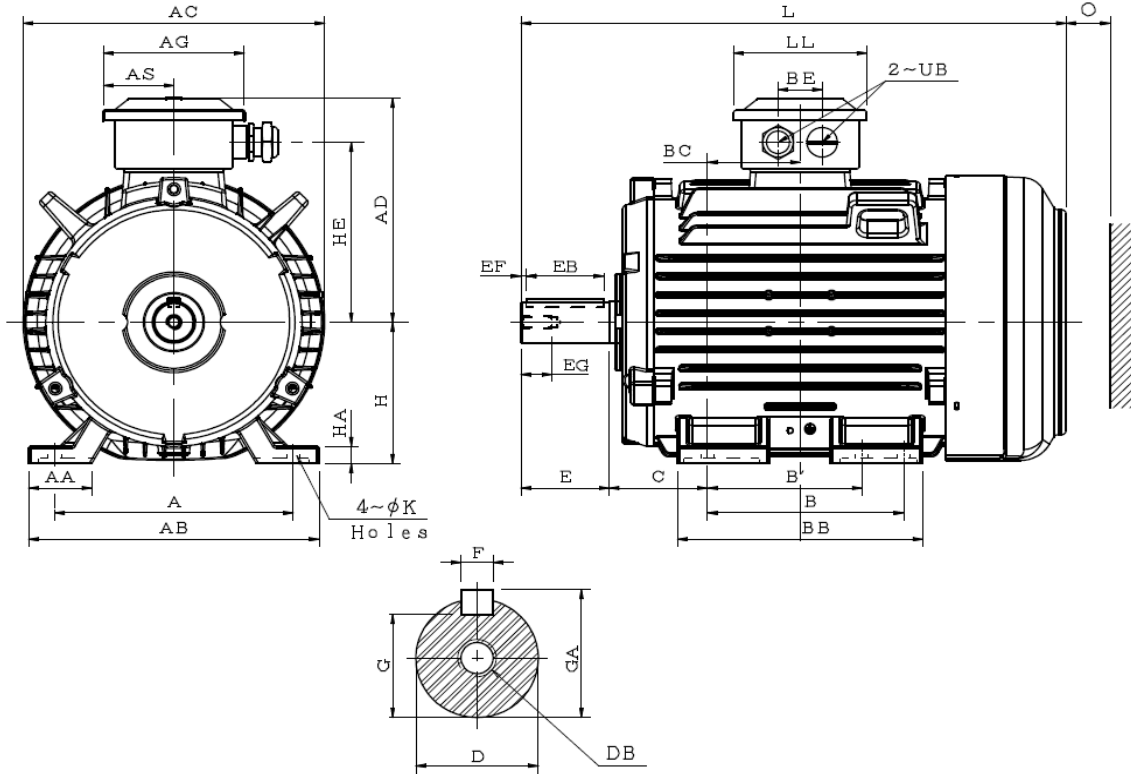


FIG.3

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BB	BC	BE	C	H	HA	HE	K	L
2P	4P	6P	8P																				
5.5	5.5	3	2.2	132S	3	216	57	263	273	208.5	125	62.5	140	---	184	65	40	89	132	16	171	12	456
7.5	---	---	---	132M		216	57	263	273	208.5	125	62.5	178	140	222	84	40	89	132	16	171	12	494
---	7.5	3.7 4	3			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING		
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
132S	125	50	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZC3	6306ZZC3
132M	125	50	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZC3	6306ZZC3

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of shaft center high H : +0, -0.5.

OUTLINE DIMENSIONS SHEET

MODEL

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 160M ~ 200L

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

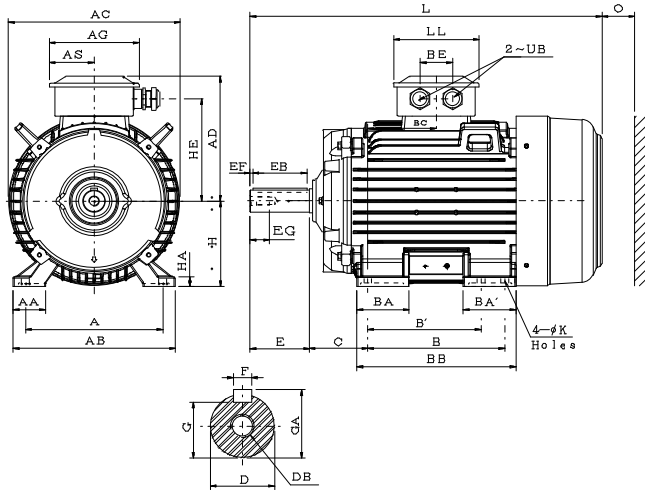


FIG.4

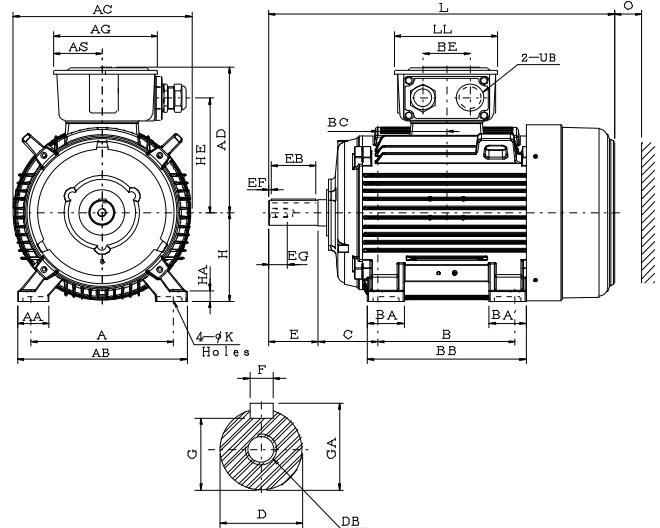


FIG.5

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	BE	C	H	HA	
2P	4P	6P	8P																				
11	11	7.5	3.7	160M	4	254	60	300	317	237	166	83	210	---	57	57	250	105	60	108	160	18	
15	11	7.5	4			254	60	300	317	237	166	83	83	254	210	97	97	294	127	60	108	160	18
18.5	15	11	5.5			180M	279	65	330	354	263.5	166	83	241	---	65	65	292	120.5	60	121	180	20
---	22	15	---			180L	279	65	330	354	263.5	166	83	279	241	115	115	330	139.5	60	121	180	20
30	30	18.5	15	200L	5	318	70	378	398	329	231	110.5	305	---	82	82	353	152.5	106	133	200	24	

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
160M	195	14.5	608	158	60	M32x1.5	42	110	100	5	36	12	37	45	M16	6309ZZC3	6307ZZC3
160L	195	14.5	652	158	60	M32x1.5	42	110	100	5	36	12	37	45	M16	6309ZZC3	6307ZZC3
180M	221	14.5	672	158	70	M32x1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZC3	6310ZZC3
180L	221	14.5	710	158	70	M32x1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZC3	6310ZZC3
200L	259	18.5	770	231	80	M50x1.5	55	110	100	5	42	16	49	59	M20	6312ZZC3	6212ZZC3

- Note :**
1. Tolerance of shaft end diameter D : a) $\phi 42 \sim \phi 48$: k6 ; b) $\phi 55$: m6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Terminal Box of Frame 200 : Cast Iron.

OUTLINE DIMENSIONS SHEET

MODEL

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 225S ~ 250M

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

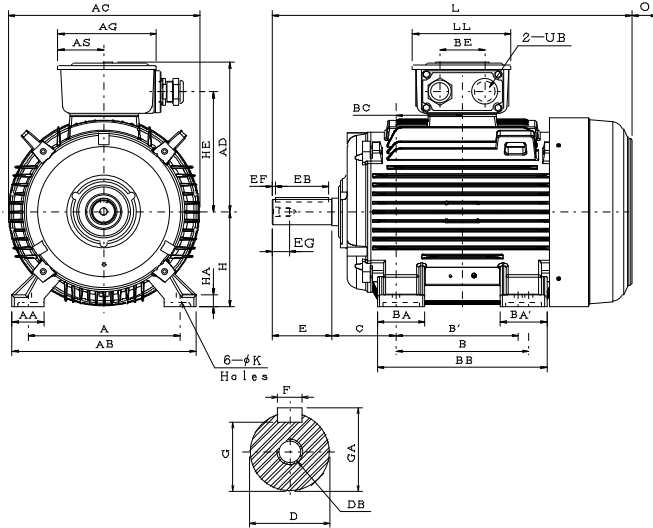


FIG.6

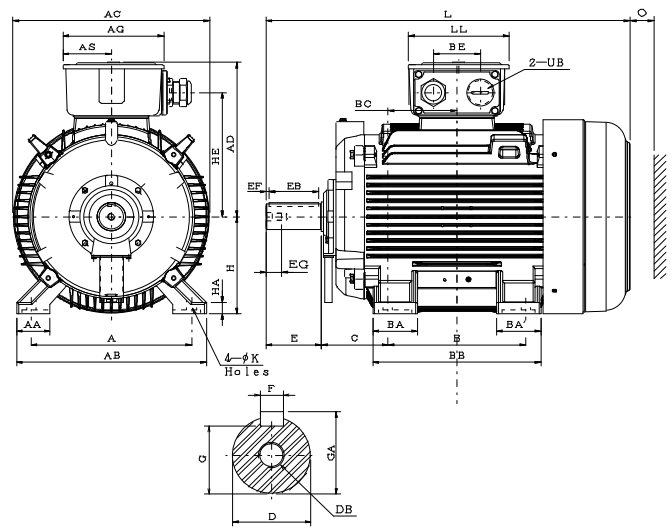


FIG.7

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																			
---	37	---	18.5	225SC	6	356	75	431	449	355	231	110.5	286	---	98.5	98.5	371	143	106	149	225	28
45	---	---	---	225MA		356	75	431	449	355	231	110.5	311	286	110	110	396	155.5	106	149	225	28
---	45	30	22	225MC		356	75	431	449	355	231	110.5	311	286	110	110	396	155.5	106	149	225	28
55	---	---	---	250MA	7	406	85	480	499	397	255	122.5	349	---	112.5	112.5	425	174.5	119	168	250	30
---	55	37	30	250MC		406	85	480	499	397	255	122.5	349	---	112.5	112.5	425	174.5	119	168	250	30

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
225SC	285	18.5	816	231	90	M50x1.5	60	140	125	7.5	42	18	53	64	M20	6313ZZC3	6213ZZC3
225MA	285	18.5	811	231	90	M50x1.5	55	110	100	5	42	16	49	59	M20	6312ZZC3	6212ZZC3
225MC	285	18.5	841	231	90	M50x1.5	60	140	125	7.5	42	18	53	64	M20	6313ZZC3	6213ZZC3
250MA	319	24	921	255	105	M63x1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3
250MC	319	24	921	255	105	M63x1.5	65	140	125	7.5	42	18	58	69	M20	6315C3	6313C3

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of shaft center high H : +0, -0.5.

OUTLINE DIMENSIONS SHEET

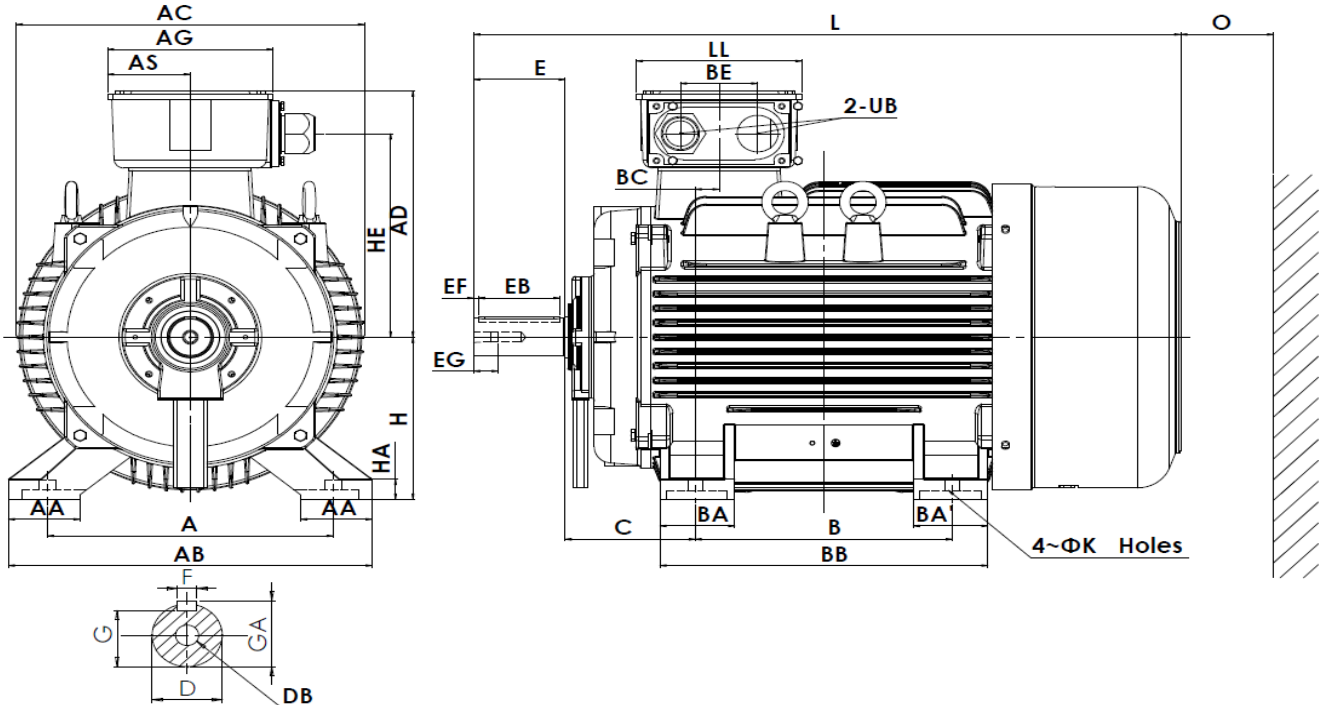
MODEL

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 280SA ~ 280MB

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



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA	HE				
2P	4P	6P	8P		75	---	---	---	280SA	457	110	560	546	433	255	122.5	368	110	110	455	48	119	190	280	35
---	75	45	37	280SB	457	110	560	546	433	255	122.5	368	110	110	455	48	119	190	280	35	354.5				
90	---	---	---	280MA	457	110	560	546	433	255	122.5	419	115	115	505	48	119	190	280	35	354.5				
---	90	55	45	280MB	457	110	560	546	433	255	122.5	419	115	115	505	48	119	190	280	35	354.5				

FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
280SA	24	1037.5	255	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
280SB	24	1037.5	255	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
280MA	24	1087.5	255	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
280MB	24	1087.5	255	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9

OUTLINE DIMENSIONS SHEET

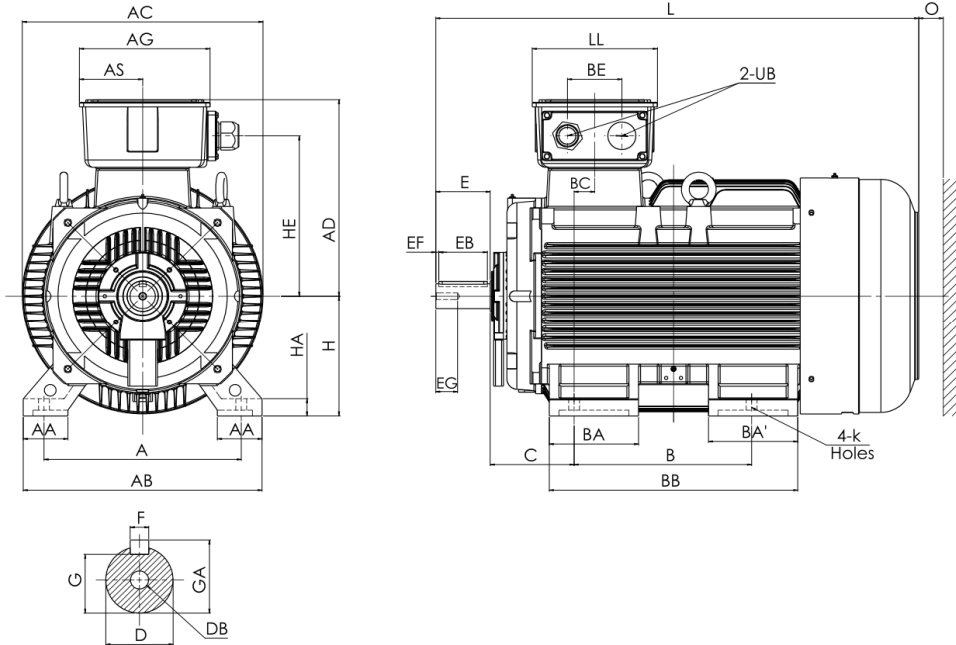
MODEL

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 315SA ~ 315MB

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



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																	
110	---	---	---	315SA	508	115	615	560	490	336	163	406	180	180	580	53	140	216	315	35
---	110	75	55	315SB	508	115	615	560	490	336	163	406	180	180	580	53	140	216	315	35
132 (160)	---	---	---	315MA	508	115	630	620	515	336	163	457	230	230	640	53	140	216	315	45
---	132 (160)	90 (110)	75	315MB	508	115	630	620	515	336	163	457	230	230	640	53	140	216	315	45

FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION									BEARING	
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315SA	395	28	1162	322	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315SB	395	28	1192	322	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3
315MA	420	28	1243	322	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315MB	420	28	1273	322	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. Output In the Brackets for Optional Matching

OUTLINE DIMENSIONS SHEET

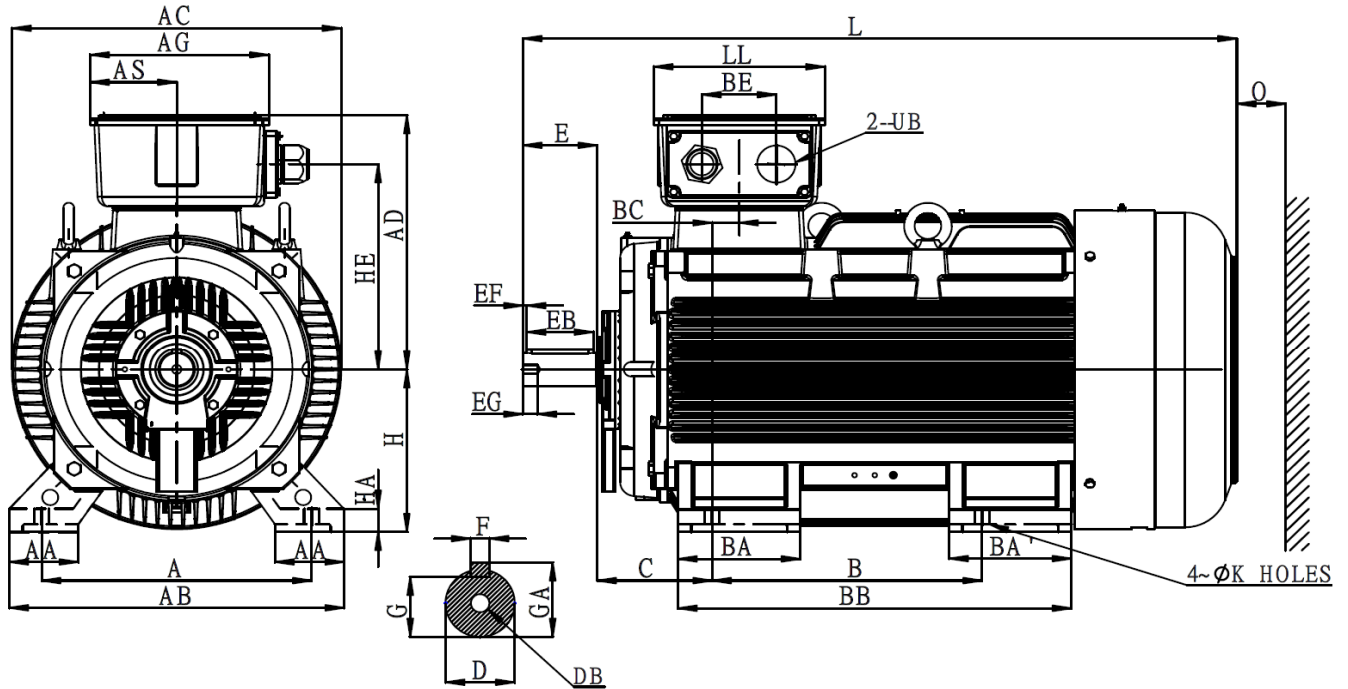
TYPE

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 315LA ~ 315LB

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



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																	
160	---	---	---	315LA	508	130	630	620	515	336	163	508	230	230	740	53	140	216	315	45
---	160	110 132 (160)	90 110	315LB	508	130	630	620	515	336	163	508	230	230	740	53	140	216	315	45

FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315LA	420	28	1346	322	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
315LB	420	28	1376	322	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. Output In the Brackets for Optional Matching

OUTLINE DIMENSIONS SHEET

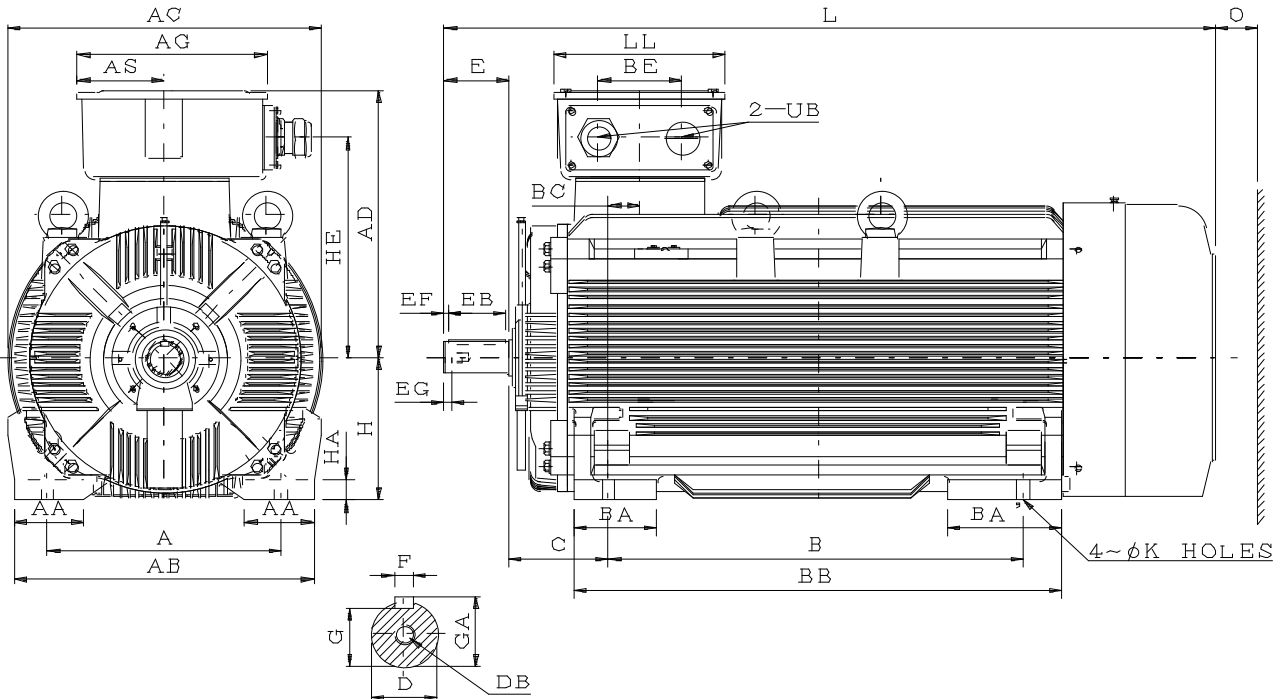
MODEL

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 315CA ~ 315DB

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



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																	
(220)	---	---	---	315CA	508	150	650	682	590	412	189	710	335	335	870	68	180	216	315	45
---	(220)	(200)	(132)	315CB	508	150	650	682	590	412	189	710	335	335	870	68	180	216	315	45
(250)	(250)	(220)	(160)																	
(315)	---	---	---	315DA	508	150	650	682	590	412	189	900	180	250	1060	68	180	216	315	45
---	(315)	(250)	(200)	315DB	508	150	650	682	590	412	189	900	180	250	1060	68	180	216	315	45

FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION										BEARING	
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END	
315CA	485	28	1484	372	200	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6316C3	6316C3	
315CB	485	28	1514	372	200	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3	
315DA	485	28	1674	372	200	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6316C3	6316C3	
315DB	485	28	1704	372	200	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3	

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. Output In the Brackets for Optional Matching

OUTLINE DIMENSIONS SHEET

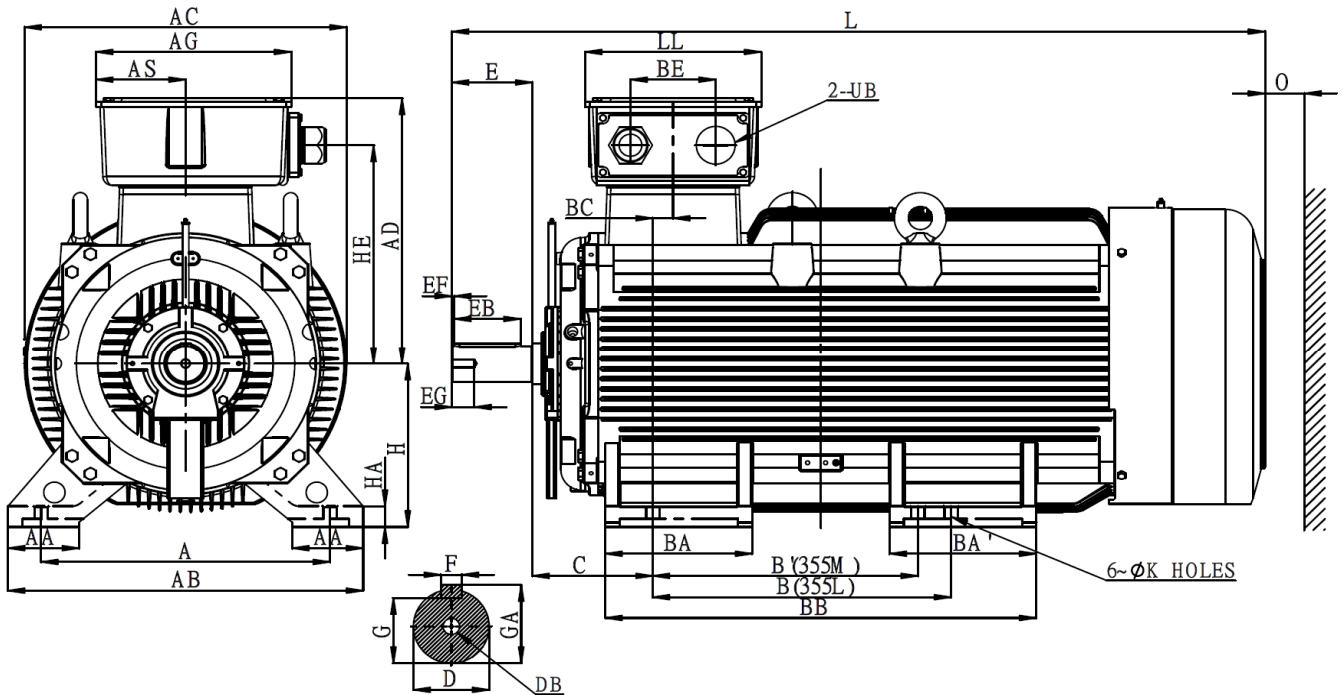
TYPE

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 355MA ~ 355LB

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



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P																		
220	---	---	---	355MA	610	150	750	682	585	412	189	---	560	310	310	910	43	180	254	355	45
---	220	160	132	355MB	610	150	750	682	585	412	189	---	560	310	310	910	43	180	254	355	45
---	250	200	160																		
315	---	---	---	355LA	610	150	750	682	585	412	189	630	---	310	310	910	43	180	254	355	45
---	315	250	200	355LB	610	150	750	682	585	412	189	630	---	310	310	910	43	180	254	355	45
FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION							BEARING							
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END				
355MA	480	28	1717	372	230	M72X2	80	170	140	5	40	22	71	85	M20	6317C3	6317C3				
355MB	480	28	1757	372	230	M72X2	100	210	180	5	48	28	90	106	M24	6322C3	6322C3				
355LA	480	28	1717	372	230	M72X2	80	170	140	5	40	22	71	85	M20	6317C3	6317C3				
355LB	480	28	1757	372	230	M72X2	100	210	180	5	48	28	90	106	M24	6322C3	6322C3				

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9

OUTLINE DIMENSIONS SHEET

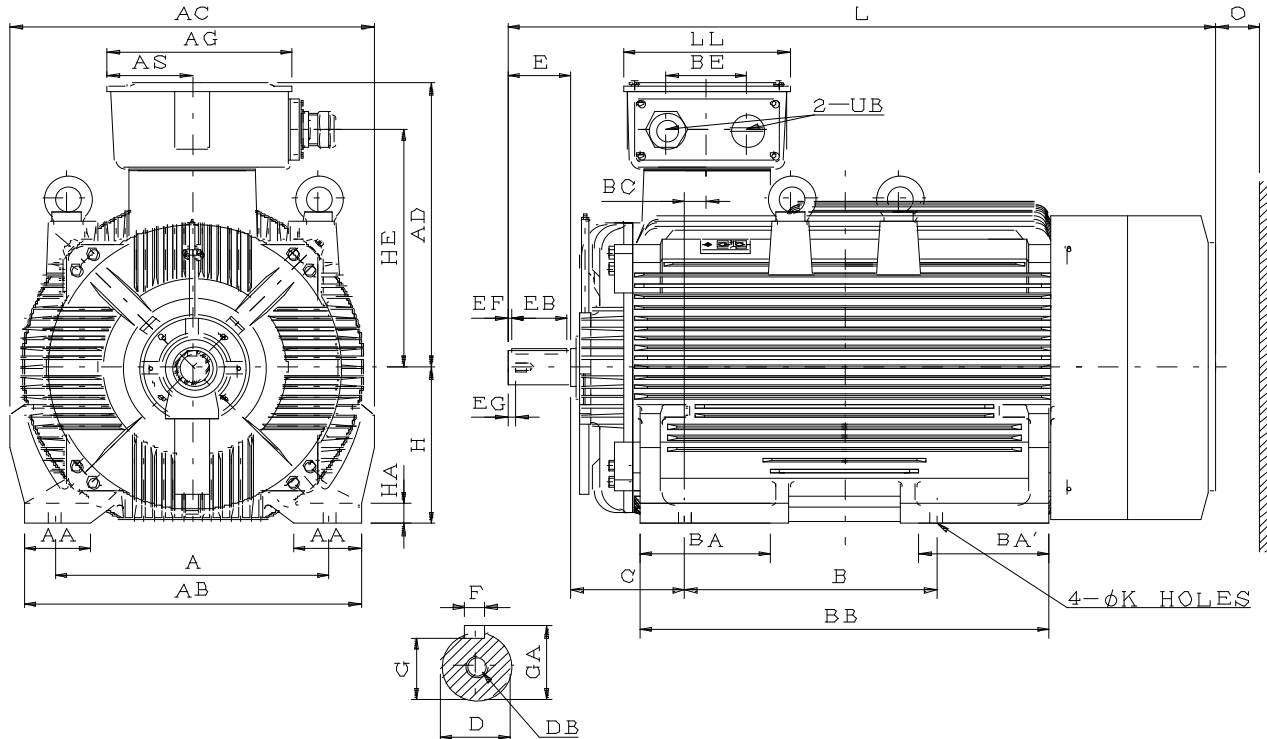
MODEL

AESV3S-N

3-PHASE INDUCTION MOTORS

B3 (IM 1001) FRAME NOS. 355CA ~ 355CB

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



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	8P		610	150	750	810	645	412	189	900	---	390	390	1100	48	180	254	355	45
---	375	315	250	355CB	610	150	750	810	645	412	189	900	---	390	390	1100	48	180	254	355	45

FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
355CA	540	28	1795	372	230	M72X2	80	170	140	5	40	22	71	85	M20	6317C3	6317C3
355CB	540	28	1835	372	230	M72X2	100	210	180	5	48	28	90	106	M24	6322C3	6322C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9

OUTLINE DIMENSIONS SHEET

TYPE

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM 3011) FRAME NOS. 80M ~ 90L

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

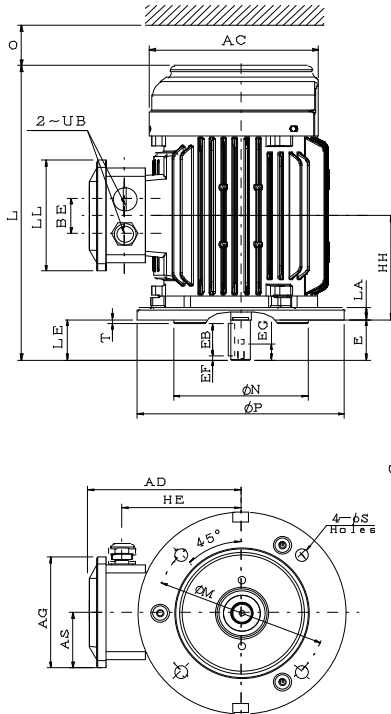


FIG.1

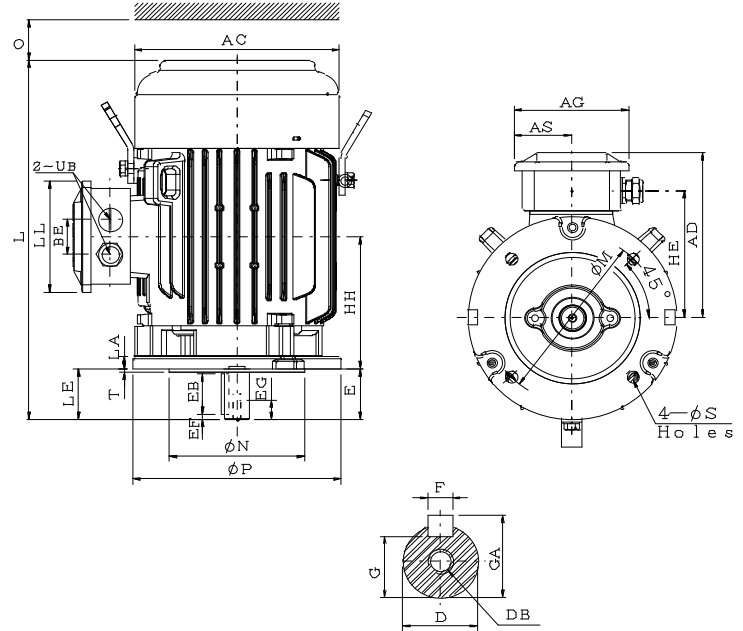


FIG.2

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L
2P	4P	6P	8P			LA	LE	M	N	P	S	T								
0.75	0.55	---	0.18	80M	1	12	40	165	130	200	12	3.5	177	152	109	54.5	35	115	103.5	292
1.1	0.75	0.55	---			12	40	165	130	200	12	3.5								
1.5	1.1	0.75	0.37	90S	2	12	50	165	130	200	12	3.5	197	162	109	54.5	35	125	125.5	344
2.2	1.5	1.1	0.55			12	50	165	130	200	12	3.5								
				90L		12	50	165	130	200	12	3.5	197	162	109	54.5	35	125	130.5	354

FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING		
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
80M	109	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZC3	6203ZZC3
90S	109	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZC3	6204ZZC3
90L	109	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZC3	6204ZZC3

- Note :**
1. Tolerance of shaft end diameter D : j6.
 2. Tolerance of N : j6.

OUTLINE DIMENSIONS SHEET

TYPE

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM 3011) FRAME NOS. 100L ~ 132M

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

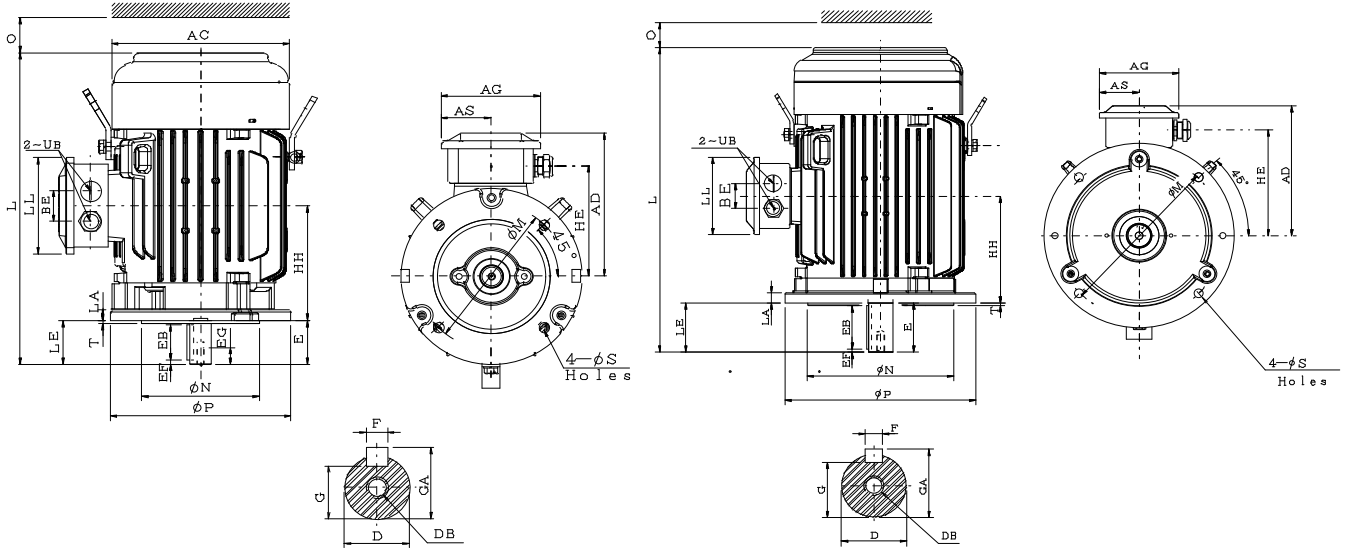


FIG.3

FIG.4

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O	
2P	4P	6P	8P			LA	LE	M	N	P	S	T											
3	2.2	1.5	0.75	100L	4	16	60	215	180	250	14.5	4	219	178.5	125	62.5	40	146	135.5	391	125	50	
---	3	---	1.1																				
3.7	3.7	2.2	1.5	112M	3	15	60	215	180	250	14.5	4	235	191	125	62.5	40	153.5	145	412.5	125	50	
4	4	---	---	132S	4	16	80	265	230	300	14.5	4	273	208.5	125	62.5	40	171	154	456	125	50	
5.5	5.5	3	2.2																				
7.5	---	---	---	132M	4	16	80	265	230	300	14.5	4	273	208.5	125	62.5	40	171	173	494	125	50	
---	7.5	3.7	3																				
---	---	4	---																				
---	---	5.5	---																				

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
100L	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZC3	6205ZZC3
112M	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZC3	6305ZZC3
132S	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZC3	6306ZZC3
132M	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZC3	6306ZZC3

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

2. Tolerance of N : j6.

OUTLINE DIMENSIONS SHEET

MODEL

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM3011) FRAME NOS. 160M ~ 200L

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

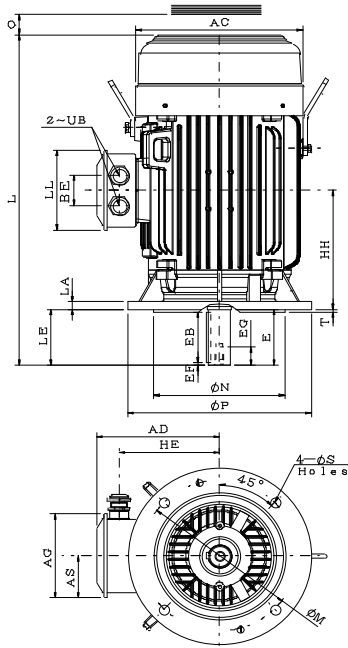


FIG.5

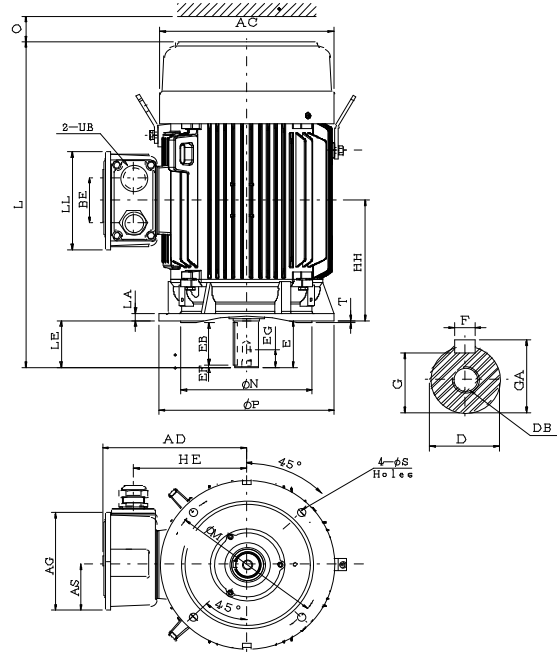


FIG.6

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	8P			LA	LE	M	N	P	S	T										
11	11	7.5	3.7 4 5.5	160M	5	15	110	300	250	350	18.5	5	317	237	166	83	60	195	213	608	158	60
18.5	15	11	7.5	160L		15	110	300	250	350	18.5	5	317	237	166	83	60	195	235	652	158	60
4	18.5	---	---	180M	6	15	110	300	250	350	18.5	5	354	263.5	166	83	60	221	241.5	672	158	70
---	22	15	11	180L		15	110	300	250	350	18.5	5	354	263.5	166	83	60	221	260.5	710	158	70
30	30	18.5 22	15	200L		17	110	350	300	400	18.5	5	398	329	231	110.5	106	259	285.5	770	231	80

FRAME SIZE	UB	SHAFT EXTENSION									BEARING	
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
160M	M32x 1.5	42	110	100	5	36	12	37	45	M16	6309ZZC3	6307ZZC3
160L	M32 x 1.5	42	110	100	5	36	12	37	45	M16	6309ZZC3	6307ZZC3
180M	M32 x 1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZC3	6310ZZC3
180L	M32 x 1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZC3	6310ZZC3
200L	M50 x 1.5	55	110	100	5	42	16	49	59	M20	6312ZZC3	6212ZZC3

Note : 1. Tolerance of shaft end diameter D : a) $\phi 42 \sim \phi 48 : k6 ; b) \phi 55 : m6$.

2. Tolerance of N : j6.

3. Terminal Box of Frame 200 : Cast Iron.

OUTLINE DIMENSIONS SHEET

MODEL

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM3011) FRAME NOS. 225S ~ 250M

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

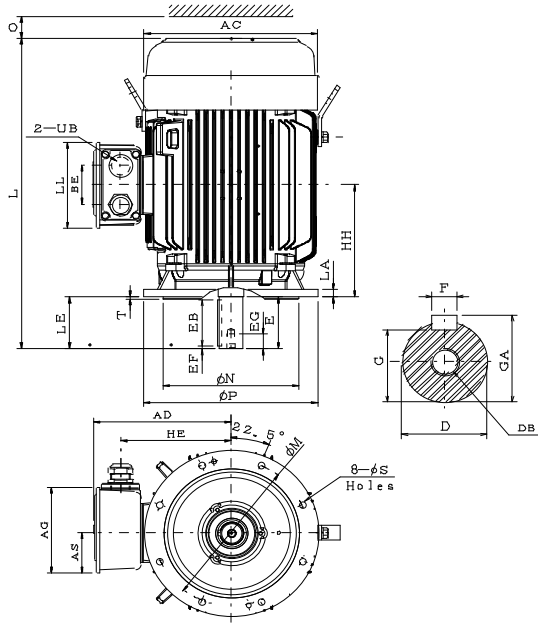


FIG.7

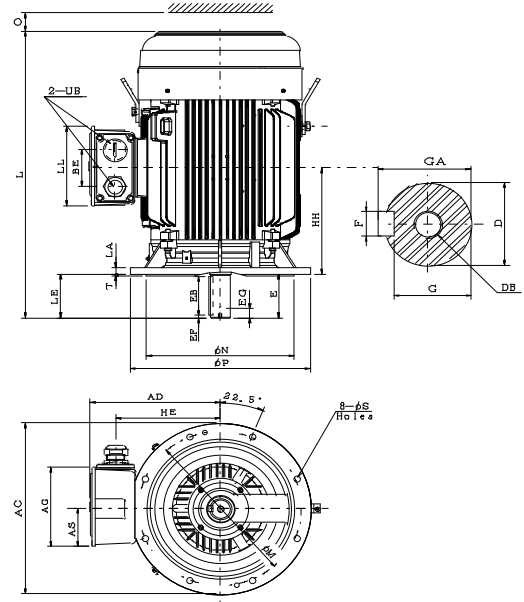


FIG.8

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L
2P	4P	6P	8P			LA	LE	M	N	P	S	T								
---	37	---	18.5	225SC	7	20	140	400	350	450	18.5	5	450	355	231	110.5	106	285	292	816
45	---	---	---	225MA		20	110	400	350	450	18.5	5	450	355	231	110.5	106	285	304.5	811
---	45	30	22	225MC		20	140	400	350	450	18.5	5	450	355	231	110.5	106	285	304.5	841
55	---	---	---	250MA	8	22	140	500	450	550	18.5	5	550	397	255	122.5	119	319	342.5	921
---	55	37	30	250MC		22	140	500	450	550	18.5	5	550	397	255	122.5	119	319	342.5	921

FRAME SIZE	LL	O	UB	SHAFT EXTENSION										BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END	
225SC	231	90	M50 x 1.5	60	140	125	7.5	42	18	53	64	M20	6313ZZC3	6213ZZC3	
225MA	231	90	M50 x 1.5	55	110	100	5	42	16	49	59	M20	6312ZZC3	6212ZZC3	
225MC	231	90	M50 x 1.5	60	140	125	7.5	42	18	53	64	M20	6313ZZC3	6213ZZC3	
250MA	255	105	M63 x 1.5	60	140	125	7.5	42	18	53	64	M20	6313C3	6313C3	
250MC	255	105	M63 x 1.5	65	140	125	7.5	42	18	58	69	M20	6315C3	6313C3	

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of N : j6.

OUTLINE DIMENSIONS SHEET

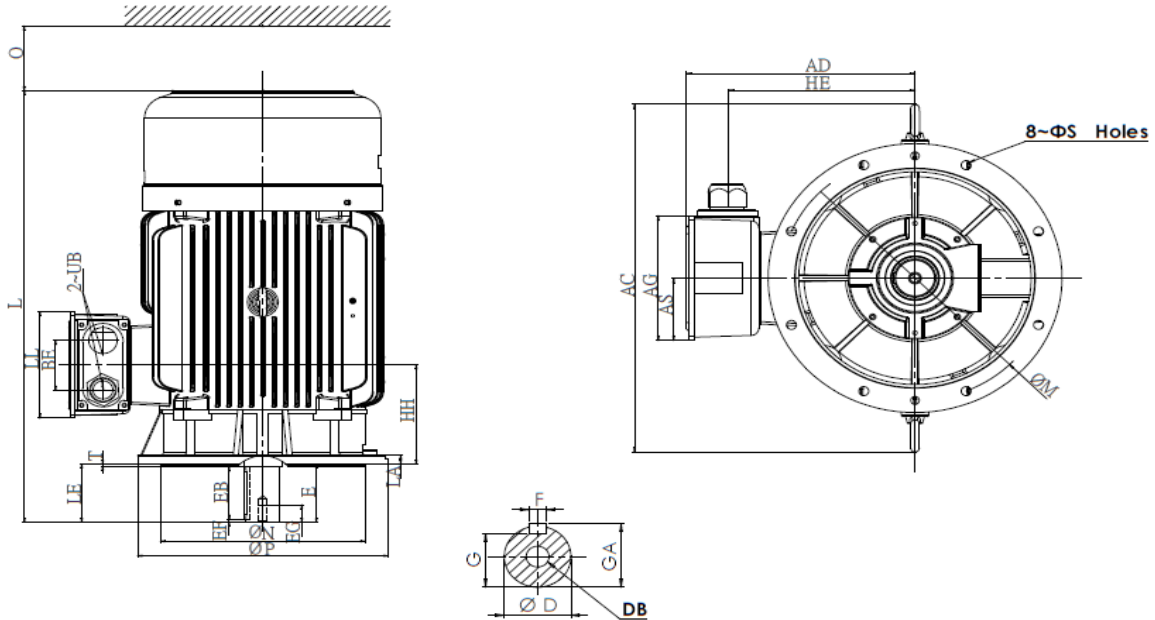
MODEL

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM 3011) FRAME NOS. 280SA ~ 280MB

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



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	BE	HE	HH	L
2P	4P	6P	8P		LA	LE	M	N	P	S	T									
75	---	---	---	280SA	22	140	500	450	550	18.5	5	710	433	255	122.5	119	354.5	238	1037.5	
---	75	45	37	280SB	22	140	500	450	550	18.5	5	710	433	255	122.5	119	354.5	238	1037.5	
90	---	---	---	280MA	22	140	500	450	550	18.5	5	710	433	255	122.5	119	354.5	238	1087.5	
---	90	55	45	280MB	22	140	500	450	550	18.5	5	710	433	255	122.5	119	354.5	238	1087.5	

FRAME SIZE	LL	O	UB	SHAFT EXTENSION									BEARING	
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
280SA	255	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
280SB	255	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
280MA	255	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
280MB	255	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : j6

OUTLINE DIMENSIONS SHEET

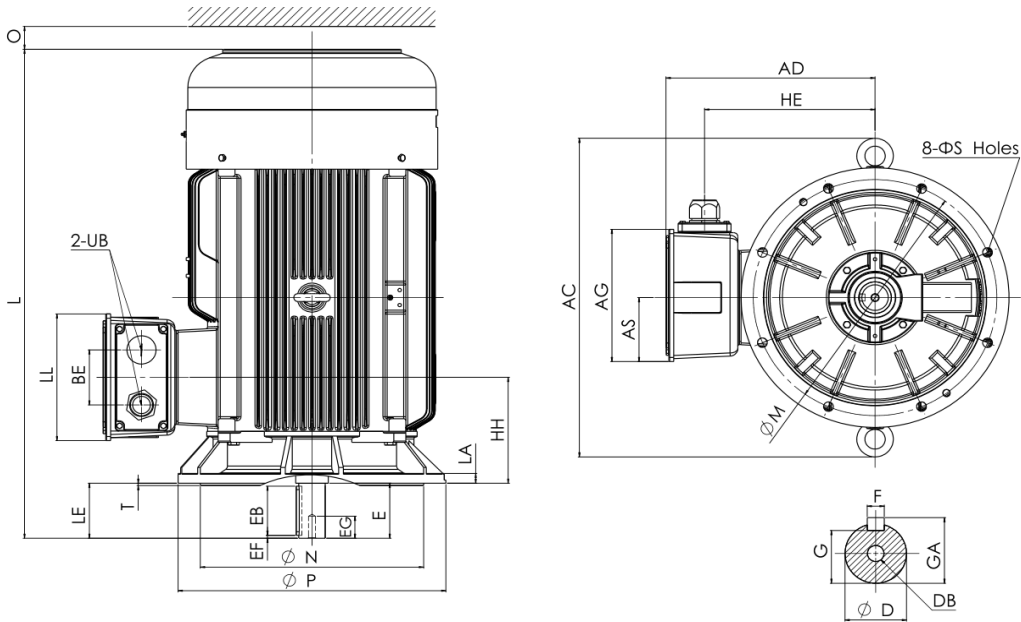
MODEL

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM 3011) FRAME NOS. 315SA ~ 315MB

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



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL
2P	4P	6P	8P		LA	LE	M	N	P	S	T									
110	---	---	---	315SA	25	140	600	550	660	24	6	756	490	336	163	140	395	269	1162	322
---	110	75	55	315SB	25	170	600	550	660	24	6	756	490	336	163	140	395	269	1192	322
132 (160)	---	---	---	315MA	25	140	600	550	660	24	6	810	515	336	163	140	420	269	1243	322
---	132 (160)	90 (110)	75	315MB	25	170	600	550	660	24	6	810	515	336	163	140	420	269	1273	322

FRAME SIZE	O	UB	SHAFT EXTENSION								BEARING		
			D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315SA	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315SB	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	7316B
315MA	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315MB	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	7316B

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. Output In the Brackets for Optional Matching

OUTLINE DIMENSIONS SHEET

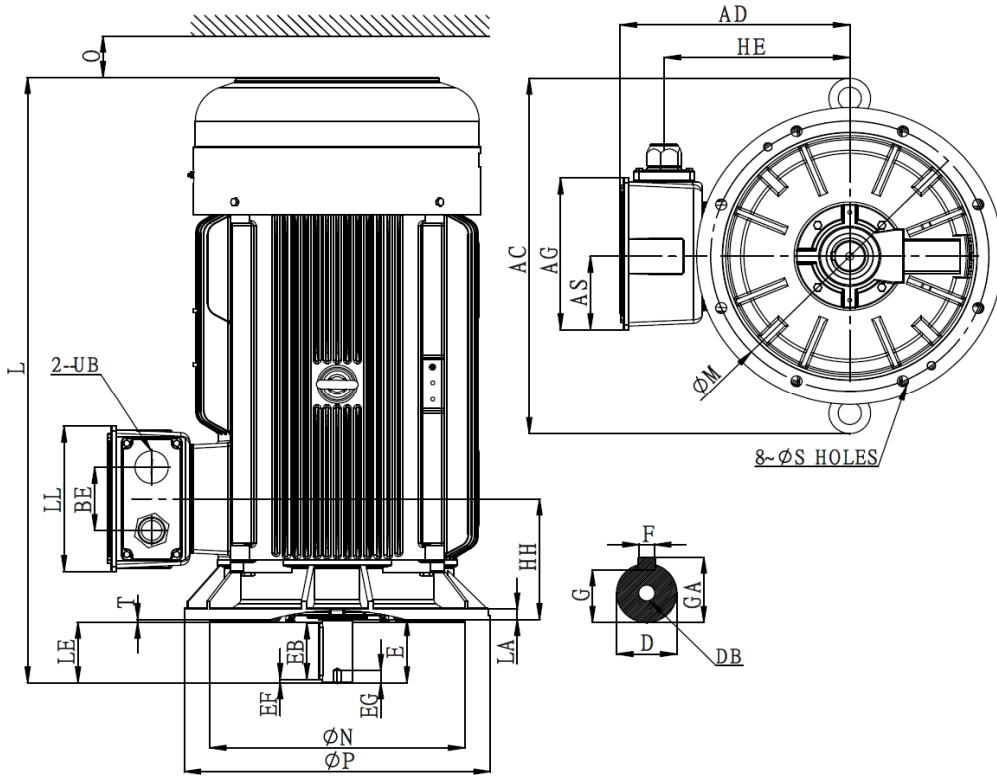
TYPE

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM 3011) FRAME NOS. 315LA ~ 315LB

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



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	BE	HE	HH	L	LL
2P	4P	6P	8P		LA	LE	M	N	P	S	T										
160	---	---	---	315LA	25	140	600	550	660	24	6	810	515	336	163	140	420	269	1346	322	
200																					
---	160	110 132 (160)	90 110	315LB	25	170	600	550	660	24	6	810	515	336	163	140	420	269	1376	322	

FRAME SIZE	O	UB	SHAFT EXTENSION									BEARING	
			D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315LA	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315LB	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	7316B

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. Output In the Brackets for Optional Matching

OUTLINE DIMENSIONS SHEET

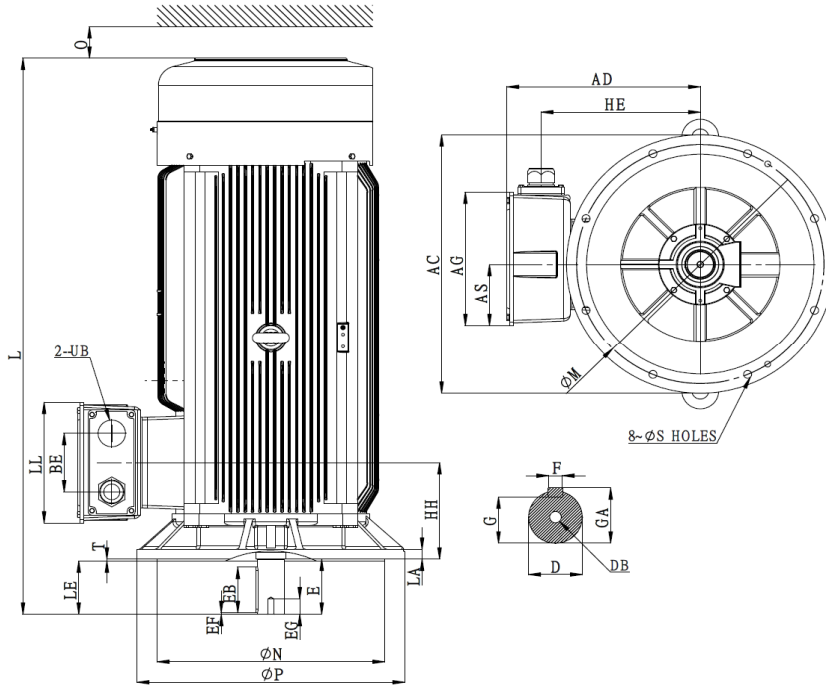
TYPE

AESU3S-N

3-PHASE INDUCTION MOTORS

V1 (IM 3011) FRAME NOS. 355MA ~ 355LB

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



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	BE	HE	HH	L	LL
2P	4P	6P	8P		LA	LE	M	N	P	S	T										
220	---	---	---	355MA	30	140	740	680	800	24	6	900	585	412	189	180	480	297	1717	372	
250	---	---	---		30	170	740	680	800	24	6	900	585	412	189	180	480	297	1757	372	
---	220	160	132	355MB	30	170	740	680	800	24	6	900	585	412	189	180	480	297	1757	372	
---	250	200	160		30	170	740	680	800	24	6	900	585	412	189	180	480	297	1757	372	
315	---	---	---	355LA	30	140	740	680	800	24	6	900	585	412	189	180	480	297	1717	372	
---	315	250	200	355LB	30	170	740	680	800	24	6	900	585	412	189	180	480	297	1757	372	

FRAME SIZE	O	UB	SHAFT EXTENSION								BEARING		
			D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
355MA	230	M72X2	80	170	140	5	40	22	71	85	M20	6317C3	7317B
355MB	230	M72X2	100	210	180	5	48	28	90	106	M24	6322C3	7322B
355LA	230	M72X2	80	170	140	5	40	22	71	85	M20	6317C3	7317B
355LB	230	M72X2	100	210	180	5	48	28	90	106	M24	6322C3	7322B

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6