東元全密型 **Crusher Duty IE3** 優級效率馬達

MODEL : AEHHGD
NEMA Premium
Design C for 1~200 HP
Design A for 250~350 HP

HIGH EFFICIENCY MOTOR
LOW VOLTAGE SQUIRREL CAGE
FRAME SIZE : 143T ~ 449T

DWG NO.
31057D62112
REV. 06

SPECIFICATION TABLE

3-PHASE INDUCTION MOTORS
LOW VOLTAGE SQUIRREL CAGE

MODEL
AEHHGD

ITEM		STANDARD SPECIFICATION
RATING	Kind of Motors	Squirrel Cage Induction Motors (SCIM).
	Design Standards	NEMA MG-1, MG-13.
	Voltage	230/460V (208V De - Rating Operation), 460V, 575V for 1HP to 125HP; 460V, 575V for 150HP and above.
	Frequency	60Hz, dual rated nameplate and full HP at 50Hz @ 1.0 S.F.
	Output Range	(a)Design C : 1~200 HP (b)Design A : 250~350 HP
	R.P.M. (Syn.)	1800 ~ 900 R.P.M.(4~8 Poles).
	Time Duty	SINEWAVE: Continuous, S.F. 1.15 (S1, MCR); 50Hz & VFD : Continuous S.F. 1.0 (S1, MCR).
	Frame Size	143T ~ 449T.
	Protection Enclosure	Totally Enclosed (IP 55).
	Cooling Method	Self External Fan, Surface Cooling (IC 411).
	Mounting	Horizontal Foot Mounting F-1 (IM 1001), F-2 Changeable.
APPLICATION	Power Condition	Voltage：±10%, Frequency：±5%, AND ±10% of Combined Voltage and Frequency, But Frequency Variation does not Exceed ±5%.
	Environment Conditions	Ambient Temperature：-20℃~40℃. Relative Humidity：Less Than 90%RH (Non - Condensation). Altitude：Less Than 3,300ft. Class I, Division 2, Goup B, C and D. Temp. Code T3 Class II, Division 2, Goup F & G (T3B)(Option)
	Drive Method	Belt Service or Coupling Service.
	Direction of Rotation	Bi - Directional.
	Method of Starting	Full Voltage Direct On Line or VFD, for 7.5HP & Up Y - △ Be Available.
PERFORMANCE	Test Procedure	IEEE-112 Method B and Full Voltage Measuring Starting Performance.
	Temperature Rise	Class B rise for 400T frames and below @ 1.15 S.F. (90℃) Class F rise for 440T frames @ 1.15 S.F. (115℃)
	Over Speed	125% Syn. R.P.M. for 2 Minutes. (4 Poles). 150% Syn. R.P.M. for 2 Minutes. (the others).
	Over Torque	160% Rated Torque for 15 Sec.
	VFD Capability (Speed Range)	Variable Torque : 20 : 1 for all ratings (4P ~ 8P). Constant Torque : 10 : 1 for 143T ~ 405T (4P ~ 8P); 444T ~ 447T: 5 : 1 for 4P & 6P, 3 : 1 for 8P; F#449T: 3 : 1 for 4P & 6P, 2 : 1 for 8P.

PERFORMANCE DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

CC002A

NEMA Premium

TEFC, NEMA T-FRAME, DESIGN - C,
CLASS F, 40℃ AMBIENT, CONTINUOUS DUTY,
S.F. 1.15 460V 60Hz

TYPICAL PERFORMANCE (460 V)

OUTPUT		POLE	FULL LOAD	FRAME SIZE	EFFICIENCY(%)				POWER FACTOR(%)			CURRENT			TORQUE				ROTOR	NEMA
					FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	208V USABLE	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	WK^2	CODE
HP	kW		RPM		NOM.	MIN.	NOM.	NOM.				(A)	ON-A	(A)	lb-ft	%FLT	%FLT	%FLT	$lb\text{-}ft^2$	LETTER
1	0.75	4	1745	143T	85.5	82.5	84.0	81.5	73.0	64.5	51.5	1.50	3.32	15	3.009	350	300	410	0.086	N
		6	1150	145T	82.5	80.0	82.5	80.0	65.5	57.0	44.5	1.73	3.83	15	4.566	255	220	300	0.122	N
		8	870	182T	75.5	72.0	72.0	65.0	51.0	43.0	33.0	2.43	5.38	15	6.035	225	190	320	0.239	N
1.5	1.1	4	1730	145T	86.5	84.0	86.5	85.5	78.0	70.0	57.0	2.08	4.60	20	4.552	300	260	360	0.093	M
		6	1175	182T	87.5	85.5	85.5	82.5	60.0	51.0	39.0	2.68	5.92	20	6.703	260	250	400	0.313	M
		8	870	184T	78.5	75.5	76.0	71.0	52.0	44.0	33.0	3.44	7.61	20	9.053	225	190	320	0.330	M
2	1.5	4	1740	145T	86.5	84.0	86.5	84.0	78.0	70.0	57.0	2.78	6.14	25	6.035	285	220	330	0.108	L
		6	1175	184T	88.5	86.5	87.5	85.5	60.0	50.0	38.0	3.53	7.80	25	8.937	250	245	390	0.423	L
		8	865	213T	85.5	82.5	84.0	81.0	68.0	58.0	45.0	3.22	7.12	25	12.14	225	190	280	0.586	L
3	2.2	4	1760	182T	89.5	87.5	89.5	88.5	78.5	72.0	60.0	4.00	8.84	32	8.950	280	225	400	0.367	K
		6	1175	213T	89.5	87.5	89.5	87.5	78.0	70.5	58.5	4.02	8.90	32	13.41	250	180	340	0.918	K
		8	865	215T	85.5	82.5	85.5	83.0	66.0	56.0	45.0	4.98	11.0	32	18.21	245	230	305	0.821	K
5	3.7	4	1755	184T	89.5	87.5	88.5	88.0	82.0	76.0	64.0	6.4	14.1	46	14.96	255	190	320	0.422	J
		6	1175	215T	91.0	89.5	91.0	89.5	78.0	71.0	58.0	6.6	14.6	46	22.34	250	210	380	1.224	J
		8	875	254T	86.5	84.0	85.5	84.0	65.0	56.0	44.0	8.3	18.4	46	30.00	225	210	290	1.660	J
7.5	5.5	4	1755	213T	91.7	90.2	91.0	89.5	86.5	82.0	72.0	8.9	19.6	64	22.44	250	175	270	0.848	H
		6	1170	254T	91.0	89.5	91.0	89.5	80.5	75.0	64.0	9.6	21.2	64	33.66	240	215	270	2.158	H
		8	875	256T	87.5	85.5	87.5	85.5	74.0	66.0	53.0	10.8	24.0	64	45.00	230	190	290	2.872	H
10	7.5	4	1755	215T	91.7	90.2	91.0	91.0	88.0	84.0	75.5	11.6	25.7	81	29.92	280	205	315	1.082	H
		6	1170	256T	91.0	89.5	91.7	90.2	80.5	75.0	64.0	12.8	28.3	81	44.88	230	200	260	2.872	H
		8	885	284T	90.2	88.5	90.2	89.5	73.5	66.0	53.5	14.1	31.2	81	59.33	235	210	280	5.421	H
15	11	4	1765	254T	92.4	91.0	93.0	92.4	88.0	85.0	77.0	17.3	38.2	216	44.62	245	180	290	2.179	G
		6	1175	284T	92.4	91.0	93.0	93.0	83.5	79.5	70.5	18.2	40.3	216	67.03	230	180	260	6.823	G
		8	875	286T	90.2	88.5	90.2	90.2	78.0	73.0	62.0	20.0	44.1	216	90.01	200	170	230	7.961	G
20	15	4	1770	256T	93.0	91.7	93.0	92.4	86.0	84.0	76.0	23.4	51.8	245	59.33	200	165	250	2.871	G
		6	1170	286T	91.7	90.2	92.4	92.4	84.0	81.0	73.0	24.3	53.8	245	89.75	210	160	225	8.340	G
		8	875	324T	91.0	89.5	91.7	91.7	81.0	77.0	68.0	25.4	56.2	245	120.0	200	150	210	10.39	G
25	18.5	4	1765	284T	93.6	92.4	93.6	93.6	86.0	83.0	77.0	29.1	64.3	183	74.37	205	165	250	4.586	G
		6	1170	324T	93.0	91.7	93.6	93.6	83.0	80.0	71.5	30.3	67.1	183	112.2	200	155	220	11.88	G
		8	875	326T	91.0	89.5	91.7	91.7	80.0	76.0	66.0	32.2	71.1	183	150.0	200	170	220	12.37	G
30	22	4	1770	286T	93.6	92.4	93.6	93.6	87.5	85.5	79.5	34.3	75.8	218	88.99	220	170	250	5.274	G
		6	1175	326T	93.0	91.7	93.6	93.6	80.5	78.5	71.0	37.5	83.0	218	134.1	210	180	230	12.37	G
		8	885	364T	93.0	91.7	93.0	92.4	78.0	73.0	61.0	38.7	85.6	218	178.0	210	170	240	17.94	G
40	30	4	1770	324T	94.1	93.0	94.5	94.5	86.0	84.5	78.5	46.3	102	290	118.7	205	170	220	8.624	G
		6	1180	364T	94.1	93.0	94.5	94.1	86.5	84.5	78.0	46.0	102	290	178.0	200	150	220	17.94	G
		8	885	365T	93.0	91.7	93.0	92.4	78.0	73.0	62.0	52	114	290	237.3	210	160	230	19.32	G
50	37	4	1770	326T	94.5	93.6	95.0	95.0	87.0	86.0	80.5	57	126	363	148.3	210	170	220	10.12	G
		6	1180	365T	94.1	93.0	94.5	93.6	86.0	83.0	75.5	58	128	363	222.5	225	170	240	21.39	G
		8	885	404T	93.0	91.7	93.6	93.6	81.0	77.0	68.0	62	137	363	296.6	210	175	230	31.47	G

PERFORMANCE DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

CC002A

NEMA Premium

TEFC, NEMA T-FRAME, DESIGN - C,
CLASS F, 40℃ AMBIENT, CONTINUOUS DUTY,
S.F. 1.15 460V 60Hz

TYPICAL PERFORMANCE (460 V)

OUTPUT		POLE	FULL LOAD	FRAME SIZE	EFFICIENCY(%)				POWER FACTOR(%)			CURRENT			TORQUE				ROTOR	NEMA
					FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	208V USABLE	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	WK^2	CODE
HP	kW		RPM		NOM.	MIN.	NOM.	NOM.				(A)	ON-A	(A)	lb-ft	%FLT	%FLT	%FLT	$lb\text{-}ft^2$	LETTER
60	45	4	1775	364T	95.0	94.1	95.0	94.5	86.5	83.0	75.5	68	151	435	177.5	200	155	240	12.23	G
		6	1180	404T	94.5	93.6	94.5	94.1	87.0	86.5	80.5	68	151	435	267.0	220	185	250	33.54	G
		8	885	405T	93.0	91.7	93.6	93.6	81.0	78.0	68.0	75	165	435	356.0	200	180	230	32.55	G
75	55	4	1775	365T	95.4	94.5	95.4	95.0	86.5	83.5	75.5	85	188	543	221.9	200	165	250	14.67	G
		6	1180	405T	94.5	93.6	94.5	94.5	86.5	84.5	79.0	86	190	543	333.7	200	175	225	37.86	G
		8	890	444T	93.6	92.4	93.0	93.0	73.0	68.0	57.0	103	227	543	442.5	210	180	210	55.10	G
100	75	4	1775	405T	95.4	94.5	95.4	95.0	87.5	85.5	80.0	112	248	725	295.8	215	140	215	26.64	G
		6	1181	444T	95.0	94.1	94.5	93.6	82.5	80.0	73.0	119	264	725	444.6	200	150	240	56.00	G
		8	890	445T	93.6	92.4	93.0	93.0	78.0	74.0	65.0	128	284	725	589.9	230	180	250	72.80	G
125	90	4	1780	444T	95.4	94.5	95.0	94.1	85.0	83.0	77.0	144	319	908	368.7	200	140	220	44.30	G
		6	1182	445T	95.0	94.1	94.5	93.6	83.0	80.5	74.0	148	328	908	555.3	200	140	230	68.00	G
		8	890	447T	94.1	93.0	94.1	94.1	80.0	77.0	69.0	155	344	908	737.4	220	160	260	141.0	G
150	110	4	1783	445T	95.8	95.0	95.4	94.5	85.0	83.0	78.0	172	--	1085	441.7	210	160	270	52.00	G
		6	1185	447T	95.8	95.0	95.4	94.5	83.5	81.0	74.0	176	--	1085	664.6	200	160	220	103.0	G
		8	890	449T	94.1	93.0	94.1	94.1	80.0	77.0	69.0	187	--	1085	884.9	220	160	250	166.0	G
200	150	4	1785	447T	96.2	94.5	95.8	95.0	87.0	83.5	78.5	224	--	1450	588.3	200	140	210	73.50	G
		6	1186	449T	95.8	95.0	95.4	94.5	84.0	81.0	74.0	233	--	1450	885.4	200	140	210	125.0	G
		8	890	449T	94.5	93.6	94.1	94.1	82.5	77.0	69.0	240	--	1450	1180	200	160	230	221.0	G

NOTE :

1. The above are typical values based on test according to ANSI／IEEE standard 112 method B.
2. Breakdown & locked rotor torques are shown as average expected values.
3. Efficiency, power factor, speed and torque are the same for other voltages.
   Current values vary inversely with voltage.
4. Tolerance according to NEMA MG1-12 & IEC 60034-1.
5. Data subject to change without notice.

PERFORMANCE DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

CC002A

NEMA Premium

TEFC, NEMA T-FRAME, DESIGN - A,
CLASS F, 40℃ AMBIENT, CONTINUOUS DUTY,
S.F. 1.15 460V 60Hz

TYPICAL PERFORMANCE (460 V)

OUTPUT		POLE	FULL LOAD	FRAME	EFFICIENCY(%)				POWER FACTOR(%)			CURRENT		TORQUE				ROTOR	NEMA
					FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	WK^2	CODE
HP	kW		RPM	SIZE	NOM.	MIN.	NOM.	NOM.				(A)	(A)	lb-ft	%FLT	%FLT	%FLT	lb-ft^2	LETTER
250	185	4	1788	449T	96.2	95.4	96.0	95.5	86.2	83.0	75.5	282	2240	734.1	240	215	320	70.8	H
		6	1188	449T	95.8	95.0	95.5	95.5	82.0	77.5	68.0	298	2340	1105	270	230	320	131.54	H
300	225	4	1787	449T	96.2	95.4	96.0	96.0	86.2	83.5	76.5	339	2550	881.4	240	200	315	88.95	H
		6	1186	Hybrid 449T	95.8	95.0	95.5	95.5	85.0	83.0	76.0	345	2370	1328	220	180	270	152.59	G
350	260	4	1787	Hybrid 449T	96.2	95.4	96.1	95.5	86.8	84.0	77.0	392	3140	1028	260	225	340	105.29	H

NOTE :

1. The above are typical values based on test according to ANSI／IEEE standard 112 method B.
2. Breakdown & locked rotor torques are shown as average expected values.
3. Efficiency, power factor, speed and torque are the same for other voltages.
   Current values vary inversely with voltage.
4. Tolerance according to NEMA MG1-12 & IEC 60034-1.
5. Data subject to change without notice.

PERFORMANCE DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

TEFC, NEMA T-FRAME,
CLASS F, 40℃ AMBIENT, CONTINUOUS DUTY,
60HZ 230/460V WINDING USED AT 50HZ 190/380V, S.F. 1.0

TYPICAL PERFORMANCE (380 V)

OUTPUT		POLE	FULL LOAD	FRAME SIZE	EFFICIENCY(%)				POWER FACTOR(%)			CURRENT		TORQUE				ROTOR	NEMA
					FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	WK^2	CODE
HP	kW		RPM		NOM.	MIN.	NOM.	NOM.				(A)	(A)	lb-ft	%FLT	%FLT	%FLT	lb-ft^2	LETTER
1	0.75	4	1435	143T	84.0	81.5	85.5	84.0	83.5	76.5	63.5	1.62	20	3.659	255	200	275	0.086	P
		6	935	145T	80.0	77.0	82.5	80.0	73.5	65.5	52.5	1.93	20	5.616	225	170	200	0.122	P
		8	710	182T	67.5	63.4	66.5	61.0	63.0	53.0	61.0	2.67	20	7.395	150	170	210	0.239	P
1.5	1.1	4	1425	145T	84.0	81.5	85.5	85.5	84.5	78.5	66.5	2.40	27	5.527	210	175	265	0.093	N
		6	960	182T	86.0	84.0	86.0	84.0	66.0	58.0	46.1	3.00	27	8.204	190	170	235	0.313	N
		8	710	184T	73.0	69.3	72.5	68.0	62.0	53.0	41.0	3.76	27	11.09	190	180	240	0.330	N
2	1.5	4	1420	145T	84.0	81.5	85.5	86.5	85.0	79.0	67.0	3.17	34	7.395	210	165	265	0.108	M
		6	960	184T	87.5	85.4	87.7	85.8	66.0	57.5	45.5	3.93	34	10.94	200	180	220	0.423	M
		8	710	213T	75.0	71.0	73.5	70.5	63.0	53.0	40.5	4.80	34	14.79	180	160	200	0.586	M
3	2.2	4	1430	182T	88.0	85.9	89.0	89.0	81.5	76.0	65.0	4.74	43	11.02	200	180	230	0.404	L
		6	965	213T	88.5	86.5	88.5	87.5	80.5	75.0	63.0	4.77	43	16.32	160	120	265	0.918	L
		8	710	215T	80.0	76.9	79.5	79.5	65.5	55.5	42.5	6.49	43	22.19	200	180	220	0.821	L
5	3.7	4	1425	184T	84.9	82.4	80.5	71.5	84.5	87.0	88.1	7.90	61	18.42	160	140	225	0.422	K
		6	955	215T	88.5	86.5	90.2	90.2	85.0	83.0	74.5	7.53	61	27.49	150	130	240	1.224	K
		8	715	254T	82.5	80.0	82.5	81.0	70.0	65.0	52.0	9.81	61	36.72	160	150	190	1.660	K
7.5	5.5	4	1440	213T	89.5	87.5	91.0	91.0	88.0	84.0	76.0	10.8	84	27.35	200	170	230	0.848	J
		6	960	254T	89.5	87.5	90.2	91.0	82.0	81.5	73.5	11.6	84	41.02	170	155	210	2.158	J
		8	720	256T	85.0	82.5	84.0	83.5	70.0	63.0	49.0	14.3	84	54.69	200	180	220	2.872	J
10	7.5	4	1440	215T	89.5	87.5	91.0	91.5	90.0	88.0	82.0	14.1	107	36.46	175	145	225	1.082	H
		6	960	256T	90.2	88.5	91.7	91.7	85.0	82.0	74.0	14.8	107	54.69	175	155	220	2.872	H
		8	725	284T	87.0	84.8	87.0	85.5	66.0	58.5	46.0	19.7	107	72.42	220	200	260	5.421	H
15	11	4	1455	254T	91.0	89.5	92.4	92.4	86.5	85.0	79.0	21.6	154	54.13	170	140	205	2.179	H
		6	970	284T	90.2	88.5	91.7	92.4	85.0	83.5	77.5	22.2	154	81.19	175	135	200	6.823	H
		8	725	286T	87.5	85.4	88.0	87.0	72.0	66.5	53.5	27.0	154	108.6	170	160	200	7.961	H
20	15	4	1460	256T	90.5	88.8	92.5	93.0	86.0	84.5	80.1	29.1	194	71.92	140	100	160	2.871	H
		6	965	286T	89.5	87.5	91.7	93.0	85.0	84.5	79.5	29.8	194	108.8	155	120	200	8.340	H
		8	720	324T	88.5	86.5	88.0	88.0	78.5	73.0	63.5	32.6	194	145.8	180	160	210	10.39	H
25	18.5	4	1460	284T	91.0	89.5	91.0	89.5	86.0	82.0	65.0	36.2	243	89.91	160	130	200	4.586	H
		6	970	324T	91.0	89.5	92.4	93.6	83.5	80.0	84.0	37.3	243	135.3	140	115	170	11.88	H
		8	720	326T	89.0	87.1	89.5	90.0	77.5	71.5	61.0	41.1	243	182.3	170	150	200	12.37	H
30	22	4	1460	286T	93.0	91.7	94.1	94.1	91.0	90.5	87.5	40.2	289	107.9	170	140	205	5.274	H
		6	965	326T	90.2	88.5	92.4	93.0	84.5	83.5	79.0	44.6	289	163.2	160	145	205	12.37	H
		8	735	364T	91.0	89.4	91.0	91.0	76.5	71.5	60.5	48.8	289	214.3	190	180	210	17.94	H
40	30	4	1470	324T	93.6	92.4	93.6	94.1	87.0	87.5	85.0	55.7	387	142.9	135	120	185	8.624	H
		6	975	364T	93.0	91.7	94.1	94.1	87.0	86.5	82.0	56.0	387	215.4	160	130	200	17.94	H
		8	730	365T	91.0	89.4	91.5	91.0	75.5	70.5	60.0	66.0	387	287.7	190	170	210	19.32	H
50	37	4	1470	326T	93.6	92.4	94.5	95.0	86.5	87.5	85.5	70.0	482	178.6	135	120	185	10.12	H
		6	980	365T	93.0	91.7	94.1	94.1	85.5	83.5	77.0	71.3	482	267.9	180	145	200	21.39	H
		8	735	404T	92.0	90.5	92.5	93.0	79.5	74.5	65.0	77.5	482	357.2	200	170	220	31.47	H

PERFORMANCE DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

TEFC, NEMA T-FRAME,
CLASS F, 40℃ AMBIENT, CONTINUOUS DUTY,
60HZ 230/460V WINDING USED AT 50HZ 190/380V, S.F. 1.0

TYPICAL PERFORMANCE (380 V)

OUTPUT		POLE	FULL LOAD	FRAME SIZE	EFFICIENCY(%)				POWER FACTOR(%)			CURRENT		TORQUE				ROTOR	NEMA
					FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	WK^2	CODE
HP	kW		RPM		NOM.	MIN.	NOM.	NOM.				(A)	(A)	lb-ft	%FLT	%FLT	%FLT	lb-ft^2	LETTER
60	45	4	1470	364T	94.1	93.0	95.0	95.0	88.5	87.5	82.0	82	578	214.3	155	130	215	12.23	H
		6	975	404T	93.0	91.7	94.5	95.4	88.5	89.0	86.5	83	578	323.1	135	130	200	33.54	H
		8	730	405T	92.5	91.1	93.0	92.5	78.0	73.5	64.0	94	578	431.5	180	160	200	32.55	H
75	55	4	1470	365T	94.5	93.6	95.0	95.4	89.0	88.0	83.5	101	722	267.9	150	125	205	14.67	H
		6	975	405T	93.6	92.4	94.5	95.4	88.5	89.0	86.5	103	722	403.9	140	130	200	37.86	H
		8	730	444T	92.0	90.6	93.0	93.5	81.0	78.5	71.5	114	722	539.4	170	150	200	55.10	H
100	75	4	1475	405T	94.5	93.6	95.4	95.8	88.5	89.0	87.0	136	965	356.0	185	135	205	26.64	H
		6	979	444T	93.6	92.5	93.6	92.4	82.5	80.0	73.0	147	965	536.3	110	100	180	56.00	H
		8	735	445T	93.5	92.3	93.5	93.5	78.0	73.0	63.0	155	965	714.4	230	190	270	72.80	H
125	90	4	1477	444T	94.5	93.6	94.1	93.0	84.0	82.0	77.0	178	1207	444.4	105	95	175	44.30	H
		6	980	445T	94.1	93.0	93.6	92.4	83.0	80.5	74.0	181	1207	669.7	110	100	175	68.00	H
		8	735	447T	94.1	93.0	94.5	94.0	78.5	74.5	64.5	192	1207	892.9	240	210	260	141.0	H
150	110	4	1478	445T	95.0	94.1	94.5	93.6	84.0	82.0	77.0	213	1441	532.9	95	85	170	52.00	H
		6	981	447T	95.0	94.1	94.5	93.6	83.5	81.0	74.0	214	1441	802.8	110	100	170	103.0	H
		8	735	449T	93.5	92.3	94.0	94.0	81.0	78.0	69.5	224	1441	1072	220	200	240	166.0	H
200	150	4	1480	447T	95.4	94.5	95.4	94.1	84.5	82.5	78.5	281	1927	709.5	90	80	170	73.50	H
		6	980	449T	93.5	92.3	94.7	95.4	87.0	86.5	82.0	279	1927	1072	180	160	200	125.0	H
		8	730	449T	93.0	91.7	94.5	95.0	83.5	82.5	77.5	292	1927	1438	160	140	180	221.0	H

NOTE :

1. The above are typical values based on test according to ANSI／IEEE standard 112 method B.
2. Breakdown & locked rotor torques are shown as average expected values.
3. Efficiency, power factor, speed and torque are the same for other voltages.
   Current values vary inversely with voltage.
4. Tolerance according to NEMA MG1-12 & IEC 60034-1.
5. Data subject to change without notice.

PERFORMANCE DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

TEFC, NEMA T-FRAME
CLASS F, 40℃ AMBIENT, CONTINUOUS DUTY,
60HZ 460V WINDING USED AT 50HZ 380V, S.F. 1.0

TYPICAL PERFORMANCE

(380 V)

OUTPUT		POLE	FULL LOAD	FRAME	EFFICIENCY(%)				POWER FACTOR(%)			CURRENT		TORQUE				ROTOR	NEMA
					FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	WK^2	CODE
HP	kW		RPM	SIZE	NOM.	MIN.	NOM.	NOM.				(A)	(A)	lb-ft	%FLT	%FLT	%FLT	$lb\text{-}ft^2$	LETTER
250	185	4	1482	449T	95.5	95.0	96.0	96.0	87.5	86.0	81.0	339	2050	885.7	285	245	265	70.8	G
		6	985	449T	95.0	94.1	95.4	95.4	84.5	82.0	75.0	353	2350	1333	210	170	260	131.54	G
300	225	4	1480	449T	95.5	95.0	96.0	96.0	87.0	86.0	81.0	409	2372	1064	180	140	250	88.95	G
		6	978	Hybrid 449T	94.1	93.0	94.5	95.0	86.0	85.5	82.0	420	2150	1611	160	120	220	152.59	G
350	260	4	1482	Hybrid 449T	95.5	94.5	96.0	96.0	88.0	86.5	82.0	472	3000	1240	200	160	290	105.29	G

NOTE :

1. The above are typical values based on test according to ANSI／IEEE standard 112 method B.
2. Breakdown & locked rotor torques are shown as average expected values.
3. Efficiency, power factor, speed and torque are the same for other voltages.
   Current values vary inversely with voltage.
4. Tolerance according to NEMA MG1-12 & IEC 60034-1.
5. Data subject to change without notice.

Detail Electrical Ratings DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

Class I, Div. 2, Groups B, C and D; Temperature Coded T3, T3B, T3C

Class II, Div. 2, Groups F and G; Zone 22, Groups IIIA, and IIIB

Types AEHH-XX horizontal mounting with or without C, D or P Flange,
Frames Sizes 143 to 449 max, 2, 4, 6 and 8 pole rated 600V max, 300 hp max;
Class F, TEFC; 60 Hz @ 1.15 S.F. or 50 Hz @ 1.0 S.F. ,Continuous or Inverter duty @ 1.0 S.F.

GD: Standard seals with standard paint; NEMA Design "C" Motors

TYPE	POLES	HP	FRAME	SYN. SPEED	Variable Torque RPM (20:1)	Const. Torque RPM (10:1) or (5:1) or (3:1) or (2:1)	Const. HP RPM (max.)	TEMP. Code (Sine S.F. 1.15 / VFD 1.0)
AEHH	2	1	143T	3600	175 - 3600	355 - 3600	3600 - 7200	T3C / T3C
AEHH	2	1.5	143T	3600	175 - 3600	355 - 3600	3600 - 7200	T3C / T3C
AEHH	2	2	145T	3600	175 - 3600	355 - 3600	3600 - 7200	T3C / T3C
AEHH	2	3	182T	3600	175 - 3600	355 - 3600	3600 - 7200	T3C / T3C
AEHH	2	5	184T	3600	175 - 3600	355 - 3600	3600 - 7200	T3C / T3C
AEHH	2	7.5	213T	3600	175 - 3600	355 - 3600	3600 - 5400	T3C / T3B
AEHH	2	10	215T	3600	175 - 3600	355 - 3600	3600 - 5400	T3C / T3B
AEHH	2	15	254T	3600	175 - 3600	355 - 3600	3600 - 5400	T3C / T3B
AEHH	2	20	256T	3600	175 - 3600	355 - 3600	3600 - 5400	T3C / T3B
AEHH	2	25	284TS	3600	175 - 3600	355 - 3600	3600 - 5400	T3C / T3B
AEHH	2	30	286TS	3600	175 - 3600	355 - 3600	3600 - 5400	T3C / T3B
AEHH	2	40	324TS	3600	175 - 3600	355 - 3600	3600 - 4500	T3C / T3B
AEHH	2	50	326TS	3600	175 - 3600	355 - 3600	3600 - 4500	T3C / T3
AEHH	2	60	364TS	3600	175 - 3600	355 - 3600	3600	T3C / T3
AEHH	2	75	365TS	3600	175 - 3600	355 - 3600	3600	T3C / T3
AEHH	2	100	405TS	3600	175 - 3600	355 - 3600	3600	T3C / T3
AEHH	2	125	444TS	3600	175 - 3600	720 - 3600	3600	T3C / T3
AEHH	2	150	445TS	3600	175 - 3600	720 - 3600	3600	T3 / T3
AEHH	2	200	447TS	3600	175 - 3600	720 - 3600	3600	T3 / T3
AEHH	2	250	449TS	3600	175 - 3600	1200 - 3600	3600	T3 / T3
AEHH	2	300	449TS	3600	175 - 3600	1200 - 3600	3600	T3 / T3
AEHH	2	350	449TS	3600	N/A	N/A	N/A	T3 / NA
AEHH	4	1	143T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3C
AEHH	4	1.5	145T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3C
AEHH	4	2	145T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3C
AEHH	4	3	182T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3C
AEHH	4	5	184T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3C
AEHH	4	7.5	213T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3B
AEHH	4	10	215T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3B
AEHH	4	15	254T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3B
AEHH	4	20	256T	1800	88 - 1800	178 - 1800	1800 - 3600	T3C / T3B
AEHH	4	25	284T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3B
AEHH	4	30	286T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3B
AEHH	4	40	324T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3B
AEHH	4	50	326T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3
AEHH	4	60	364T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3
AEHH	4	75	365T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3
AEHH	4	100	405T	1800	88 - 1800	178 - 1800	1800 - 2700	T3C / T3
AEHH	4	125	444T	1800	88 - 1800	360 - 1800	1800 - 2700	T3C / T3
AEHH	4	150	445T	1800	88 - 1800	360 - 1800	1800 - 2700	T3 / T3
AEHH	4	200	447T	1800	88 - 1800	360 - 1800	1800 - 2250	T3 / T3
AEHH	4	250	449T	1800	88 - 1800	600 - 1800	1800 - 2250	T3 / T3
AEHH	4	300	449T	1800	88 - 1800	600 - 1800	1800 - 2250	T3 / T3
AEHH	4	350	449T	1800	N/A	N/A	N/A	T3 / NA
AEHH	6	1	145T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3C
AEHH	6	1.5	182T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3C
AEHH	6	2	184T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3C
AEHH	6	3	213T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3C

NOTE :
(a) Suffix numbers and or letter representing mechanical construction.
(b) Current at 208V is also marked if the motor is rated with 208V on the nameplate in addition to other voltages.
(c) Motors may be provided with optional space heaters rated 115/230 VAC max having a total watt dissipation of 100 Watts max.
(d) Inverter Duty Ratings: VT: 20:1; CT: 10:1 or 3:1 (where applicable); CHP: See Table above
(e) Motors installed at higher altitude of 1000 m to 4000 m, they will be de-rated according to CSA Std. 100-14, Table 4, Note 5, as Follows: “For machines that operate under the prevailing barometric pressure and that are designed not to exceed the specified temperatures at altitudes from 1000 to 4000 m, the temperatures, as checked at altitudes below 1000 m, shall be less than those listed in this Table by 1% for each 100 m of altitude in excess of 1000 m”

Detail Electrical Ratings DATA

3-PHASE SQUIRREL CAGE
HIGH EFFICIENCY INDUCTION MOTORS

MODEL
AEHHGD

Class I, Div. 2, Groups B, C and D; Temperature Coded T3, T3B, T3C

Class II, Div. 2, Groups F and G; Zone 22, Groups IIIA, and IIIB

Types AEHH-XX horizontal mounting with or without C, D or P Flange,
Frames Sizes 143 to 449 max, 2, 4, 6 and 8 pole rated 600V max, 300 hp max;
Class F, TEFC; 60 Hz @ 1.15 S.F. or 50 Hz @ 1.0 S.F. ,Continuous or Inverter duty @ 1.0 S.F.

GD: Standard seals with standard paint; NEMA Design "C" Motors

TYPE	POLES	HP	FRAME	SYN. SPEED	Variable Torque RPM (20:1)	Const. Torque RPM (10:1) or (5:1) or (3:1) or (2:1)	Const. HP RPM (max.)	TEMP. Code (Sine S.F. 1.15 / VFD 1.0)
AEHH	6	5	215T	1200	58 - 1200	118 - 1200	1200 - 2400	T4 / T4
AEHH	6	7.5	254T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	10	256T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	15	284T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	20	286T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	25	324T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	30	326T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	40	364T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3B
AEHH	6	50	365T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3
AEHH	6	60	404T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3
AEHH	6	75	405T	1200	58 - 1200	118 - 1200	1200 - 2400	T3C / T3
AEHH	6	100	444T	1200	58 - 1200	118 - 1200	1200 - 1800	T3C / T3
AEHH	6	125	445T	1200	58 - 1200	240 - 1200	1200 - 1800	T3 / T3
AEHH	6	150	447T	1200	58 - 1200	240 - 1200	1200 - 1800	T3 / T3
AEHH	6	200	449T	1200	58 - 1200	400 - 1200	1200 - 1800	T3 / T3
AEHH	6	250	449T	1200	58 - 1200	400 - 1200	1200 - 1800	T3 / T3
AEHH	6	300	449T	1200	N/A	N/A	N/A N/A	T3 / NA
AEHH	8	1	182T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	1.5	184T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	2	213T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	3	215T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	5	254T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	7.5	256T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	10	284T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	15	286T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	20	324T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	25	326T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	30	364T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	40	365T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	50	404T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	60	405T	900	43 - 900	88 - 900	900 - 1350	T3A / T3A
AEHH	8	75	444T	900	43 - 900	300 - 900	900 - 1350	T3 / T3
AEHH	8	100	445T	900	43 - 900	300 - 900	900 - 1350	T3 / T3
AEHH	8	125	447T	900	43 - 900	300 - 900	900 - 1350	T3 / T3
AEHH	8	150	449T	900	43 - 900	450 - 900	900 - 1350	T3 / T3
AEHH	8	200	449T	900	43 - 900	450 - 900	900 - 1350	T3 / T3

CSA TEMPERATURE CODE	
Temperature code	Maximum external surface temperature,℃
T2A	280
T2B	260
T2C	230
T2D	215
T3	200
T3A	180
T3B	165
T3C	160
T4	135
T4A	120
T5	100
T6	85

OUTLINE DIMENSION SHEET

MODEL **AEHHGD**

3-PHASE INDUCTION MOTOR
FRAME SIZE 143T ~ 215T

Totally Enclosed Fan - Cooled Type, Squirrel - Cage Rotor

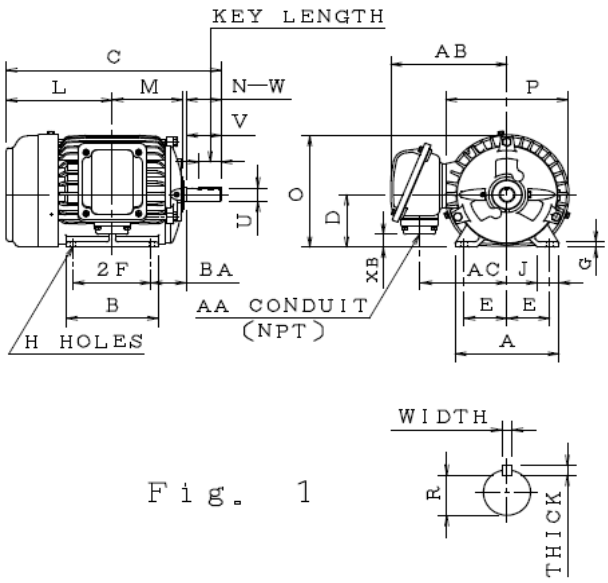


Fig. 1

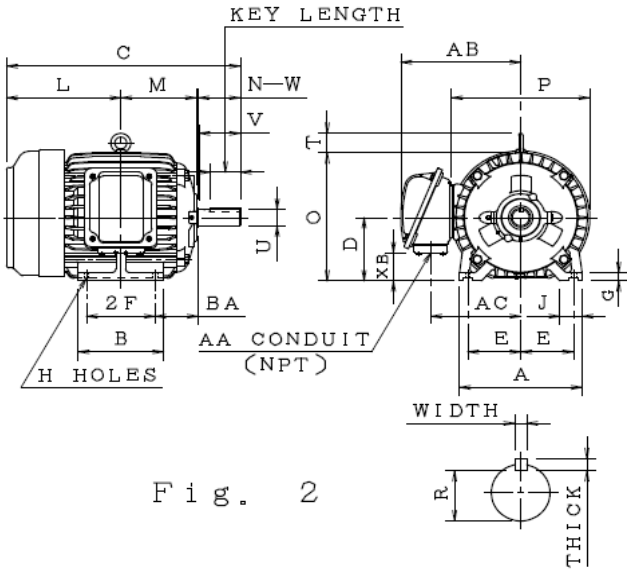


Fig. 2

Dimension in inches

Output (HP)			FRAME	FIG. NO.	Mounting				A	B	C	D	G	J	L	M	O
4P	6P	8P	SIZE		E	2F	H	BA									
1	0.75	—	143T	1	2.75	4.00	0.34	2.25	6.70	5.10	12.47	3.50	0.35	1.40	5.96	4.03	7.45
1.5 2	1	—	145T		2.75	5.00	0.34	2.25	6.70	5.90	13.46	3.50	0.35	1.40	6.46	4.53	7.45
3	1.5	1	182T	2	3.75	4.50	0.43	2.75	8.80	5.90	14.77	4.50	0.65	1.75	7.03	4.87	9.31
5	2	1.5	184T		3.75	5.50	0.43	2.75	8.80	6.90	15.79	4.50	0.65	1.75	7.54	5.37	9.31
7.5	3	2	213T		4.25	5.50	0.43	3.50	9.85	6.90	18.09	5.25	0.70	1.75	8.46	6.06	10.80
10	5	3	215T		4.25	7.00	0.43	3.50	9.85	8.35	19.59	5.25	0.70	1.75	9.21	6.81	10.80

FRAME	P	T	Key			Keyseat	Shaft Extension			Terminal Housing				Bearings	
SIZE			WIDTH	THICK	LENGTH	R	N-W	U	V	AA	AB	AC	XB	DRIVE END	OPPOSITE DRIVE END
143T	7.87	—	0.188	0.188	1.41	0.771	2.25	0.875	2.20	3/4	7.56	5.63	0.86	6205Z	6205Z
145T	7.87	—	0.188	0.188	1.41	0.771	2.25	0.875	2.20	3/4	7.56	5.63	0.86	6205Z	6205Z
182T	9.37	1.19	0.250	0.250	1.78	0.986	2.75	1.125	2.70	3/4	8.31	6.38	1.86	6306Z	6306Z
184T	9.31	1.19	0.250	0.250	1.78	0.986	2.75	1.125	2.70	3/4	8.31	6.38	1.86	6306Z	6306Z
213T	10.75	1.46	0.312	0.312	2.41	1.201	3.38	1.375	3.30	1	9.78	7.34	2.34	6308Z	6306Z
215T	10.75	1.46	0.312	0.312	2.41	1.201	3.38	1.375	3.30	1	9.78	7.34	2.34	6308Z	6306Z

Note :

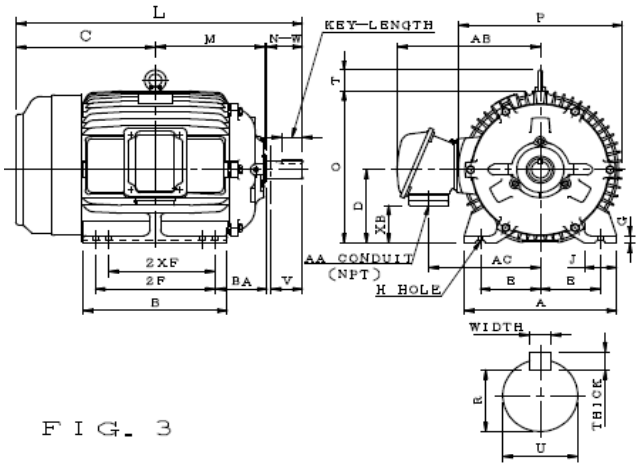
1. Dimension D tolerance : +0.00 inches, -0.03 inch.
2. Dimension U tolerance : +0.000 incjes, -0.0005 inches.
3. Dimension R tolerance : +0.000 inches, -0.015 inches.
4. Dimension V is length of straight part of shaft.

OUTLINE DIMENSION SHEET

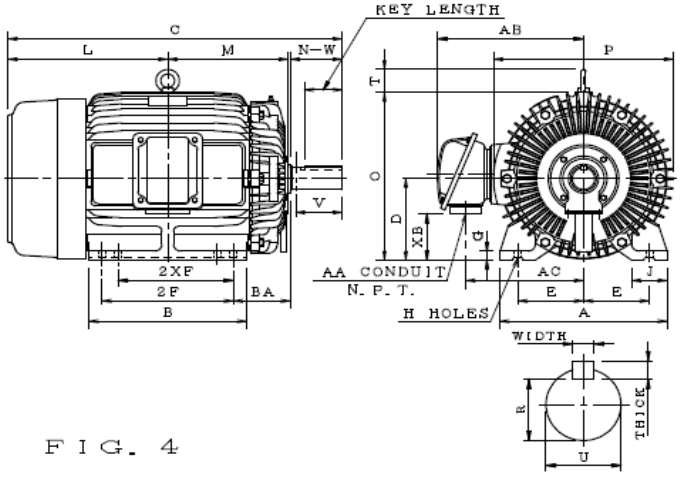
3-PHASE INDUCTION MOTOR
FRAME SIZE 254T ~ 405T

MODEL
AEHHGD

Totally Enclosed Fan - Cooled Type, Squirrel - Cage Rotor



F I G. 3



F I G. 4

Dimension in inches

Output (HP)			FRAME	FIG. N0.	Mounting				A	B	C	D	G	J	L	M	O
4P	6P	8P	SIZE		E	2F	H	BA									
15	7.5	5	254T	3	5.00	8.25	0.53	4.25	11.80	9.85	23.78	6.25	0.65	1.95	11.41	8.06	12.83
20	10	7.5	256T		5.00	10.00	0.53	4.25	11.80	11.80	25.52	6.25	0.65	1.95	12.27	8.94	12.83
25	15	10	284T		5.50	9.50	0.53	4.75	14.00	11.70	26.80	7.00	0.78	2.95	12.68	9.23	14.52
30	20	15	286T		5.50	11.00	0.53	4.75	14.00	13.20	28.30	7.00	0.78	2.95	13.43	9.98	14.52
40	25	20	324T	4	6.25	10.50	0.67	5.25	15.75	12.80	29.93	8.00	1.10	3.15	14.18	10.29	16.27
50	30	25	326T		6.25	12.00	0.67	5.25	15.75	14.35	31.42	8.00	1.10	3.15	14.92	11.04	16.27
60	40	30	364T		7.00	11.25	0.67	5.88	17.70	13.75	32.57	9.00	1.30	3.55	15.19	11.29	18.02
75	50	40	365T		7.00	12.25	0.67	5.88	17.70	14.75	33.55	9.00	1.30	3.55	15.67	11.79	18.02
—	60	50	404T		8.00	12.25	0.81	6.62	19.70	15.15	36.49	10.0	1.55	3.95	16.49	12.52	20.04
100	75	60	405T		8.00	13.75	0.81	6.62	19.70	16.75	37.99	10.0	1.55	3.95	17.24	13.27	20.04

FRAME	P	T	Key			Keyseat	Shaft Extension			Terminal Housing				Bearings	
SIZE			WIDTH	THICK	LENGTH	R	N-W	U	V	AA	AB	AC	XB	DRIVE END	OPPOSITE DRIVE END
254T	13.15	2.01	0.375	0.375	2.91	1.416	4.00	1.625	3.90	1 1/4	11.30	8.86	3.22	6309ZZ	6307ZZ
256T	13.15	2.01	0.375	0.375	2.91	1.416	4.00	1.625	3.90	1 1/4	11.30	8.86	3.22	6309ZZ	6307ZZ
284T	15.04	2.36	0.500	0.500	3.28	1.591	4.62	1.875	4.50	1 1/2	12.28	9.84	3.97	6311ZZ	6310ZZ
286T	15.04	2.36	0.500	0.500	3.28	1.591	4.62	1.875	4.50	1 1/2	12.28	9.84	3.97	6311ZZ	6310ZZ
324T	16.54	2.36	0.500	0.500	3.91	1.845	5.25	2.125	5.15	2	14.65	11.30	3.59	6312	6212
326T	16.54	2.36	0.500	0.500	3.91	2.201	5.25	2.125	5.15	2	14.65	11.30	3.59	6312	6212
364T	18.03	2.76	0.625	0.625	4.28	2.021	5.88	2.375	5.75	3	16.81	13.00	2.39	6313	6213
365T	18.03	2.76	0.625	0.625	4.28	2.021	5.88	2.375	5.75	3	16.81	13.00	2.39	6313	6213
404T	20.08	3.54	0.750	0.750	5.65	2.450	7.25	2.875	7.15	3	19.37	14.76	1.81	6317	6313
405T	20.08	3.54	0.750	0.750	5.65	2.450	7.25	2.875	7.15	3	19.37	14.76	1.81	6317	6313

Note :
1. Dimension D tolerance : +0.00 inch, -0.03 inch.
2. Dimension U tolerance : +0.000 inch, -0.001 inch.
3. Dimension R tolerance : +0.000 inch, -0.015 inch.
4. Dimension V is length of straight part of shaft.

OUTLINE DIMENSION SHEET

MODEL **AEHHGD**

3-PHASE INDUCTION MOTOR
FRAME SIZE 444 ~ 449T

Totally Enclosed Fan - Cooled Type, Squirrel - Cage Rotor

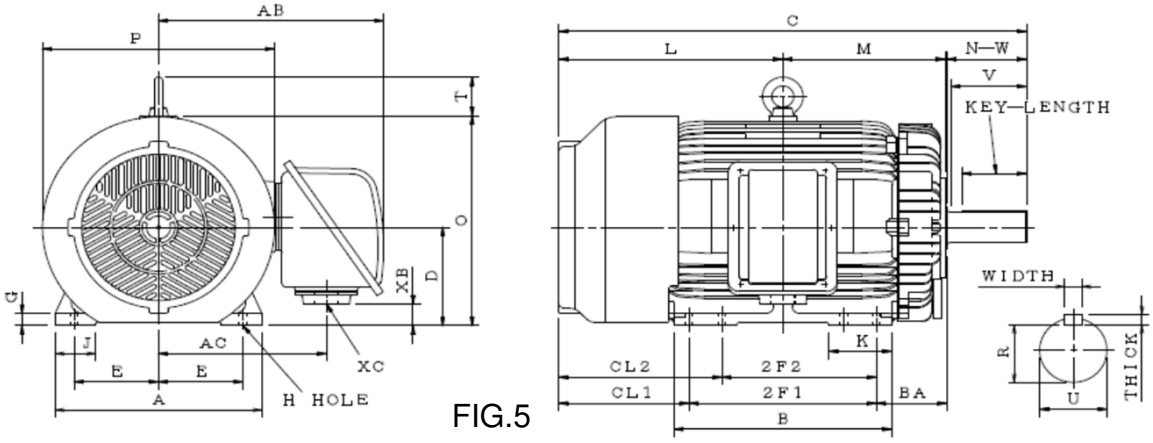


FIG.5

Dimension in inches

Output (HP)			FRAME	FIG. NO.	Mounting					A	B	C	CL1	CL2	D	G	J	K
4P	6P	8P	SIZE		E	2F1	2F2	H	BA									
125	100	75	444T	5	9.00	14.50	-	0.81	7.50	22.05	17.50	44.50	13.50	-	11.00	1.40	4.35	4.35
150	125	100	445T		9.00	16.50	14.50	0.81	7.50	22.05	17.50	46.00	13.50	15.50	11.00	1.40	4.35	5.10
200	150	125	447T		9.00	20.00	16.50	0.81	7.50	22.05	23.25	49.50	13.50	17.00	11.00	1.40	4.35	6.70
200	150	125	447TZ		9.00	20.00	16.50	0.81	7.50	22.05	23.25	49.50	13.50	17.00	11.00	1.40	4.35	6.70
250	200	150	449T		9.00	25.00	20.00	0.81	7.50	22.05	27.95	54.50	13.50	18.50	11.00	1.40	4.35	8.25
300	250	200																
250	200	150	449TZ		9.00	25.00	20.00	0.81	7.50	22.05	27.95	54.50	13.50	18.50	11.00	1.40	4.35	8.25
300	250	200																

FRAME	L	M	O	P	T	Key			Keyseat	Shaft Extension			Terminal Housing				Bearings	
SIZE						WIDTH	THICK	LENGTH	R	N-W	U	V	AB	AC	XB	XC	DRIVE END	OPPOSITE DRIVE END
444T	20.75	14.40	23.55	24.75	4.35	0.875	0.875	6.91	2.880	8.50	3.375	8.00	24.00	17.90	2.40	NPT3	6318	6316
445T	21.75	15.40	23.55	24.75	4.35	0.875	0.875	6.91	2.880	8.50	3.375	8.00	24.00	17.90	2.40	NPT3	6318	6316
447T	23.50	17.15	23.55	24.75	4.35	0.875	0.875	6.91	2.880	8.50	3.375	8.00	24.00	17.90	2.40	2-NPT3	6320	6316
447TZ	23.50	17.15	23.55	24.75	4.35	0.875	0.875	8.50	2.880	10.12	3.375	9.67	24.00	17.90	2.40	2-NPT3	NU320	6316
449T	26.00	19.65	23.55	24.75	4.35	0.875	0.875	6.91	2.880	8.50	3.375	8.00	24.00	17.90	2.40	2-NPT3	6320	6316
449TZ	26.00	19.65	23.55	24.75	4.35	0.875	0.875	8.50	2.880	10.12	3.375	9.67	24.00	17.90	2.40	2-NPT3	NU320	6316

Note :

1. Dimension D tolerance : +0.00 inches, -0.06 inch.
2. Dimension U tolerance : +0.000 incjes, -0.001 inches.
3. Dimension R tolerance : +0.000 inches, -0.015 inches.
4. Dimension V is the length of straight part of shaft.

OUTLINE DIMENSION SHEET

MODEL
AEHHGD

3-PHASE INDUCTION MOTOR
FRAME SIZE 449T

Totally Enclosed Fan - Cooled Type, Squirrel - Cage Rotor

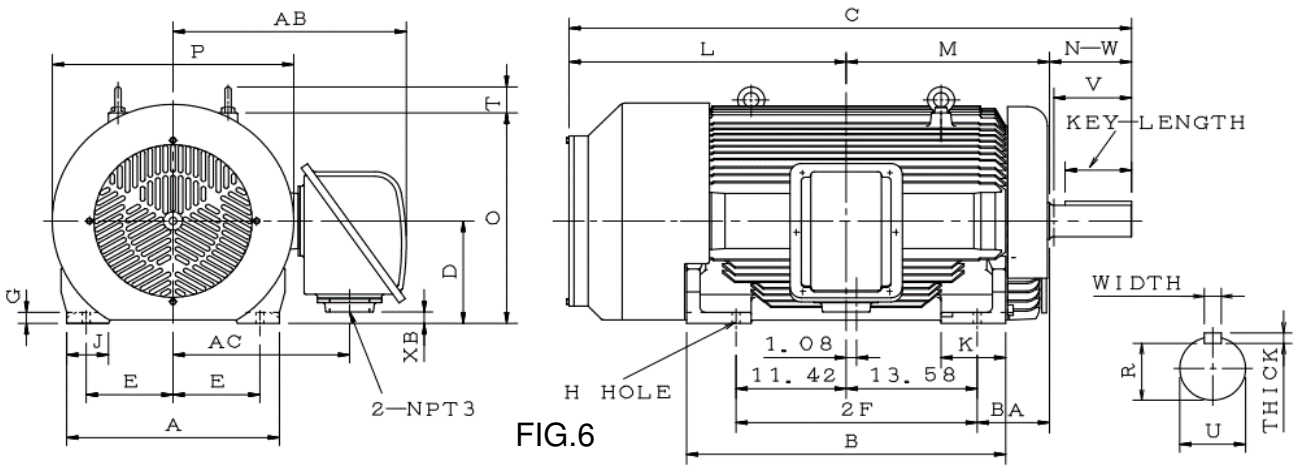


FIG.6

Dimension in inches

Output (HP)			FRAME	FIG.	Mounting				A	B	C	D	G	J	K	L	M
4P	6P	8P	SIZE	NO.	E	2F	H	BA									
350	300	—	449T	6	9.00	25.00	0.81	7.50	22.05	33.10	58.63	11.00	1.20	4.35	6.70	29.05	21.08
350	300	—	449TZ		9.00	25.00	0.81	7.50	22.05	33.10	60.18	11.00	1.20	4.35	6.70	29.05	21.08

FRAME	O	P	T	Key			Keyseat	Shaft Extension			Terminal Housing			Bearings	
SIZE				WIDTH	THICK	LENGTH	R	N-W	U	V	AB	AC	XB	DRIVE END	OPPOSITE DRIVE END
449T	22.6	25.45	4.3	0.875	0.875	6.91	2.880	8.500	3.375	8.00	24.76	18.66	0.84	6320	6316
449TZ	22.6	25.45	4.3	0.875	0.875	8.50	2.880	10.12	3.375	9.67	24.76	18.66	0.84	NU320	6316

Note :

1. Dimension D tolerance : +0.00 inches, -0.06 inch.
2. Dimension U tolerance : +0.000 incjes, -0.001 inches.
3. Dimension R tolerance : +0.000 inches, -0.015 inches.
4. Dimension V is the length of straight part of shaft.