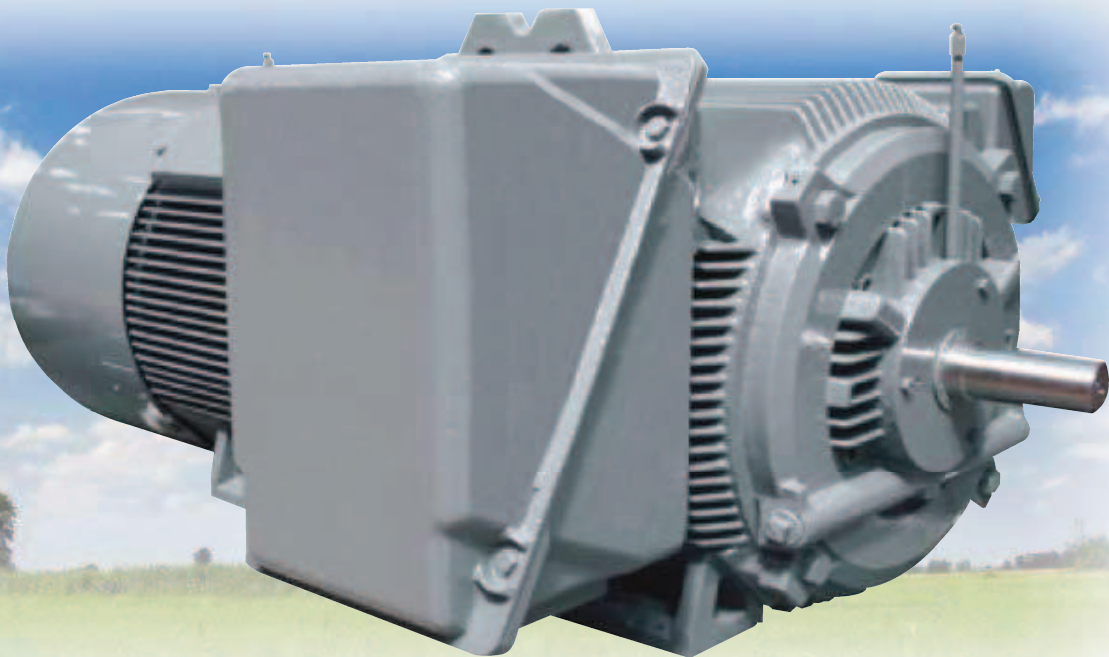


Squirrel Cage 3-Phase Induction Motor



NEMA STANDARD

TS21FN SERIES

Horizontal Foot - Mounted

3-Phase 60Hz / 460V, 575V, 2300V, 4160V, 6600V, 11000V

Frame Size N5009 ~ N8810 (NEMA / IMPERIAL)

TEFC FIN FRAME CONSTRUCTION

STANDARD SPECIFICATIONS

- Output : 150HP ~ 2500HP
- Poles : 2P ~ 10P
- Frame size : N5009 ~ N8810 (NEMA / IMPERIAL)
- Voltage : 460V, 575V, 2300V, 4160V, 6600V, 11000V
- Frequency : 60Hz
- Enclosure : Totally Enclosed Fan Cooled (TEFC)
- Mounting : Horizontal Foot-Mounted
- Insulation : Class F
- Temperature rise : Class B at S.F. 1.0 / Class F at S.F. 1.15
(By Resistance Method)
- Environment : Ambient Temperature 40°C or less
- Altitude : 3300 feet (1000 meters) or less

PREMIUM FEATURES

- **Optimized Cast Iron Fin Frame**
Optimum fin design ensures efficient heat exchange. Extra mounting holes give compatible frame choice.
- **Reliable Rotor Construction**
Compact design and precise balancing provide reliable operation. Improved arrangement of ventilation path inside rotor greatly raises cooling efficiency.
- **Durable Bearing Construction**
Proper bearing selection and bearing life calculation ensure lasting operation. Grease inlet nipple and discharge pipe assure easy and safe maintenance.
- **Large Size Terminal Box**
Large size terminal box made of high-grade cast iron or steel plate provides ample space and tough enclosure for cable connection.
- **V.P.I. Stator Winding**
For medium and high voltage motors, stator winding with V.P.I. treatment meets class F insulation and gives high resistance to corona.
For low voltage motors, stator winding with fine varnish treatment meets class F insulation and gives high reliability and long life.
- **Low Noise Construction**
Low noise construction for 85 dBA and below is available on request.

Squirrel Cage 3-Phase Induction Motor



LOW VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase, 60Hz, 460V, S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
400	3560	N5009	431	2950	82	90	210	95.5	95.0	93.5	91.0	89.5	85.0
	1770	N5009	451	2950	164	100	210	95.5	95.0	93.5	87.0	83.0	76.5
	1175	N5009	457	2950	247	100	210	95.2	94.8	93.0	86.0	82.0	74.0
	885	N5808	468	2950	328	100	210	95.2	94.8	93.0	84.0	79.5	71.0
	710	N5810	511	2950	409	100	200	95.2	94.8	93.0	77.0	71.5	59.5
450	3560	N5808	483	3300	92	90	210	95.8	95.5	94.0	91.0	89.5	85.0
	1770	N5009	511	3300	185	100	210	95.8	95.5	94.0	86.0	82.0	75.5
	1175	N5011	516	3300	278	100	210	95.5	95.0	93.5	85.5	81.5	73.5
	885	N5810	525	3300	369	100	210	95.5	95.0	93.5	84.0	79.5	71.0
	710	N6310	566	3300	461	100	200	95.5	95.0	93.5	78.0	72.0	60.0
500	3560	N5808	537	3650	102	90	200	95.8	95.5	94.0	91.0	89.5	85.0
	1770	N5011	565	3650	205	100	210	95.8	95.5	94.0	86.5	82.5	76.0
	1180	N5808	577	3650	308	100	210	95.5	95.0	93.5	85.0	81.0	73.0
	885	N5810	584	3650	411	100	210	95.5	95.0	93.5	84.0	79.5	71.0
	710	N6310	628	3650	512	100	200	95.5	95.0	93.5	78.0	72.0	60.0
600	3560	N5808	644	4400	122	90	210	95.8	95.5	94.0	91.0	89.5	85.0
	1775	N5808	680	4400	246	100	200	96.0	95.7	94.2	86.0	82.0	75.5
	1180	N5810	690	4400	369	100	210	95.8	95.5	94.0	85.0	81.0	73.0
	885	N6310	690	4350	493	100	210	95.8	95.5	94.0	85.0	81.0	73.0
	710	N6310	749	4350	614	100	200	95.5	95.0	93.5	78.5	72.5	60.5
700	3560	N5810	750	5000	143	90	210	96.0	95.7	94.2	91.0	89.5	85.0
	1775	N5810	774	5000	287	100	210	96.2	96.0	95.0	88.0	84.0	78.0
	1180	N6310	785	5000	431	100	210	96.0	95.7	94.2	87.0	83.0	77.0
800	1780	N5810	880	5750	327	90	200	96.2	96.0	95.0	88.5	84.5	78.5
	1180	N6310	897	5750	493	90	210	96.0	95.7	94.2	87.0	83.0	77.0
900	1780	N6310	973	6300	367	90	200	96.2	96.0	95.0	90.0	87.5	80.0

Note:

- Above data are typical values and for reference only.
- (a) For motors 500HP and smaller, performance test per ANSI/IEEE standard 112 method B.
(b) For motors above 500HP, performance test per ANSI/IEEE standard 112 method F1.

ALL DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



LOW VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase , 60Hz , 575V , S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
400	3560	N5009	345	2350	82	90	210	95.5	95.0	93.5	91.0	89.5	85.0
	1770	N5009	361	2350	164	100	210	95.5	95.0	93.5	87.0	83.0	76.5
	1175	N5009	366	2310	247	100	210	95.2	94.8	93.0	86.0	82.0	74.0
	885	N5808	375	2280	328	100	210	95.2	94.8	93.0	84.0	79.5	71.0
	710	N5810	409	2280	409	100	200	95.2	94.8	93.0	77.0	71.5	59.5
450	3560	N5808	387	2650	92	90	210	95.8	95.5	94.0	91.0	89.5	85.0
	1770	N5009	409	2650	185	100	210	95.8	95.5	94.0	86.0	82.0	75.5
	1175	N5011	413	2610	278	100	210	95.5	95.0	93.5	85.5	81.5	73.5
	885	N5810	420	2550	369	100	210	95.5	95.0	93.5	84.0	79.5	71.0
	710	N6310	453	2550	461	100	200	95.5	95.0	93.5	78.0	72.0	60.0
500	3560	N5808	430	2930	102	90	200	95.8	95.5	94.0	91.0	89.5	85.0
	1770	N5011	452	2930	205	100	210	95.8	95.5	94.0	86.5	82.5	76.0
	1180	N5808	461	2900	308	100	210	95.5	95.0	93.5	85.0	81.0	73.0
	885	N5810	467	2850	411	100	210	95.5	95.0	93.5	84.0	79.5	71.0
	710	N6310	503	2850	512	100	200	95.5	95.0	93.5	78.0	72.0	60.0
600	3560	N5808	516	3520	122	90	210	95.8	95.5	94.0	91.0	89.5	85.0
	1775	N5808	541	3520	246	100	200	96.0	95.7	94.2	86.5	82.5	75.5
	1180	N5810	552	3450	369	100	210	95.8	95.5	94.0	85.0	81.0	73.0
	885	N6310	555	3400	493	100	210	95.8	95.5	94.0	84.5	81.5	73.0
	710	N6310	600	3400	614	100	200	95.5	95.0	93.5	78.5	72.5	60.5
700	3560	N5810	600	4100	143	90	210	96.0	95.7	94.2	91.0	89.5	85.0
	1775	N5810	619	4050	287	100	210	96.2	96.0	95.0	88.0	84.0	78.0
	1180	N6310	628	3960	431	100	210	96.0	95.7	94.2	87.0	83.0	77.0
800	1780	N5810	704	4580	327	90	200	96.2	96.0	95.0	88.5	84.5	78.5
	1180	N6310	718	4530	493	90	210	96.0	95.7	94.2	87.0	83.0	77.0
900	1780	N6310	779	5070	367	90	200	96.2	96.0	95.0	90.0	87.5	80.0

Note:

- Above data are typical values and for reference only.
- (a) For motors 500HP and smaller, performance test per ANSI/IEEE standard 112 method B.
(b) For motors above 500HP, performance test per ANSI/IEEE standard 112 method F1.

ALL DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



MEDIUM VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase , 60Hz , 2300V , S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
150	880	N5009	40.1	240	124	100	200	93.5	93.0	91.0	75.0	68.0	56.0
	705	N5009	40.9	240	155	100	210	93.5	93.0	91.0	73.5	65.5	54.0
175	880	N5009	46.5	285	144	100	200	94.0	93.2	91.2	75.0	68.0	56.0
	705	N5009	47.4	285	180	100	210	94.0	93.2	91.0	73.5	65.5	54.0
200	3550	N5009	43.8	300	40.9	100	200	95.0	94.6	93.2	90.0	87.5	82.0
	1775	N5009	47.5	300	81.9	100	210	95.0	94.6	93.2	83.0	80.0	72.0
	1180	N5009	50.5	300	123	100	210	95.0	94.5	93.0	78.0	73.0	64.0
	880	N5009	53.1	305	165	100	220	94.0	93.2	91.0	75.0	68.0	56.5
	705	N5011	53.8	305	206	100	210	94.0	93.2	91.0	74.0	66.0	54.5
250	3550	N5009	54.8	380	51.2	100	200	95.0	94.6	93.2	90.0	87.5	82.0
	1775	N5009	59.0	380	102	100	210	95.0	94.6	93.2	83.5	80.5	72.5
	1180	N5009	62.4	380	154	100	200	95.0	94.5	93.0	79.0	74.0	65.0
	880	N5009	65.8	390	206	100	220	94.2	93.8	92.0	75.5	69.0	57.0
	705	N5808	66.7	390	258	100	210	94.2	93.8	92.0	74.5	67.0	55.5
300	3550	N5009	65.6	460	61.4	90	200	95.2	94.8	93.5	90.0	87.5	82.0
	1775	N5009	70.3	455	123	100	200	95.2	94.8	93.5	84.0	81.0	73.0
	1180	N5009	73.9	455	185	100	200	95.0	94.5	93.0	80.0	75.0	66.0
	880	N5011	78.0	455	248	100	210	94.2	93.8	92.0	76.5	70.0	58.0
	705	N5808	80.1	455	309	100	210	94.2	93.8	92.0	74.5	67.5	55.5
350	3550	N5009	76.5	530	71.6	90	200	95.2	94.8	93.5	90.0	87.5	82.0
	1775	N5009	81.5	530	143	100	200	95.2	94.8	93.5	84.5	81.5	73.5
	1180	N5011	86.6	530	216	100	200	95.2	94.8	93.5	79.5	74.5	65.5
	885	N5808	88.5	530	287	100	220	95.0	94.5	93.2	78.0	73.0	62.5
	708	N6310	89.6	530	359	100	200	95.0	94.5	93.2	77.0	72.0	61.0
400	3550	N5808	86.7	600	81.9	90	200	95.5	95.0	94.0	90.5	88.0	83.0
	1775	N5011	92.3	600	164	100	200	95.5	95.0	94.0	85.0	82.0	74.0
	1180	N5011	99.0	600	246	100	200	95.2	94.8	93.5	79.5	74.5	65.5
	885	N5810	101	600	328	100	220	95.0	94.5	93.2	78.0	73.0	62.5
	708	N6310	102	600	411	100	210	95.0	94.5	93.2	77.0	72.0	61.0
450	3550	N5808	97.5	675	92.1	90	200	95.5	95.0	94.0	90.5	88.0	83.0
	1775	N5011	104	670	184	100	200	95.5	95.0	94.0	84.5	81.5	73.5
	1180	N5808	108	670	277	100	200	95.5	95.0	94.0	81.5	77.5	70.0
	885	N5810	113	670	369	100	220	95.2	94.8	93.5	78.5	73.5	63.5
	708	N6310	115	670	462	100	210	95.0	94.5	93.2	77.0	72.0	61.0
500	3550	N5808	108	750	102	90	200	95.5	95.0	94.0	90.5	88.0	83.0
	1775	N5011	115	750	205	100	200	95.5	95.0	94.0	85.0	82.0	74.0
	1180	N5808	120	750	308	100	200	95.5	95.0	94.0	81.5	77.5	70.0
	885	N6310	124	740	411	100	210	95.2	94.8	93.5	79.5	74.5	64.5
	708	N6310	127	740	513	100	210	95.0	94.5	93.5	77.5	72.5	61.5
600	3555	N5810	130	890	123	90	200	95.5	95.4	94.4	90.5	88.0	83.0
	1775	N5810	135	880	246	100	220	95.5	95.4	94.4	87.0	84.5	77.0
	1180	N5810	142	880	369	100	200	95.5	95.0	94.0	83.0	79.0	71.5
	885	N6310	146	880	493	100	210	95.5	95.0	94.0	80.5	76.0	66.5
	708	N6810	151	880	616	100	210	95.5	95.0	94.0	78.0	73.0	62.0
700	3555	N5810	152	1030	143	90	200	95.5	95.4	94.4	90.5	88.0	83.0
	1775	N5810	157	1020	287	100	200	95.5	95.4	94.4	87.5	85.0	77.5
	1180	N6310	162	1020	431	100	200	95.5	95.4	94.4	84.5	80.5	73.0
	885	N6810	167	1010	575	100	200	95.5	95.0	94.0	82.0	77.5	68.0
	710	N7808	169	1010	716	100	200	95.5	95.0	94.0	81.0	76.0	66.0



MEDIUM VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase, 60Hz, 2300V, S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
800	3560	N6310	171	1170	163	90	200	96.0	95.6	94.6	91.0	88.5	84.0
	1780	N6310	178	1160	327	100	200	96.0	95.6	94.6	87.5	85.0	77.5
	1180	N6310	186	1160	493	100	200	95.5	95.4	94.4	84.5	80.5	73.0
	885	N6810	191	1150	657	100	200	95.5	95.0	94.0	82.0	77.5	68.0
	710	N7808	194	1150	819	100	200	95.5	95.0	94.0	81.0	76.0	66.0
900	3560	N6310	193	1310	184	90	200	96.0	95.6	94.6	91.0	88.5	84.0
	1780	N6310	201	1300	367	100	200	96.0	95.6	94.6	87.5	85.0	77.5
	1185	N6810	205	1300	552	100	200	96.0	95.6	94.6	85.5	81.0	73.5
	890	N7808	209	1290	735	100	200	96.0	95.4	94.4	84.0	79.5	70.0
	710	N7808	217	1290	921	100	200	96.0	95.0	94.0	81.0	76.0	66.0
1000	3560	N6810	214	1450	204	90	200	96.2	95.8	95.0	91.0	88.5	84.0
	1780	N6310	223	1450	408	100	200	96.0	95.6	94.6	87.5	85.0	77.5
	1185	N6810	229	1450	613	100	200	96.0	95.6	94.6	85.0	81.0	73.5
	890	N7808	231	1440	816	100	200	96.0	95.4	94.4	84.5	80.0	70.5
	710	N7808	241	1440	1023	100	200	96.0	95.0	94.0	81.0	76.0	66.0
1250	1780	N6810	274	1780	510	90	200	96.0	95.8	95.0	89.0	87.0	81.0
	1185	N7808	284	1780	766	90	200	96.0	95.8	94.8	86.0	83.4	76.0
	890	N8810	285	1780	1021	90	200	96.0	95.3	94.4	85.5	81.0	71.5
	710	N8810	297	1780	1279	90	200	96.0	95.5	94.5	82.0	78.0	67.0
1500	1782	N7808	325	2120	612	90	200	96.0	96.0	95.0	90.0	88.0	82.0
	1185	N7808	337	2120	920	90	200	96.5	95.8	94.8	86.5	84.0	76.5
	890	N8810	342	2120	1225	85	200	96.0	95.6	94.5	85.5	81.5	72.0
	710	N8810	357	2120	1535	85	200	96.0	95.5	94.5	82.0	78.0	67.0
1750	1782	N7808	377	2460	714	85	200	96.0	95.6	94.5	90.5	88.5	82.5
	1188	N8810	386	2450	1070	85	200	96.5	96.0	95.0	88.0	86.5	82.2
	890	N8810	399	2450	1429	85	200	96.0	95.6	94.5	85.5	81.5	72.0
2000	1785	N8810	431	2780	814	80	200	96.0	95.6	94.5	90.5	88.5	82.5
	1188	N8810	440	2780	1223	80	200	96.5	96.0	95.0	88.2	86.8	82.5
2250	1785	N8810	480	3130	916	80	200	96.5	96.0	94.8	91.0	89.0	83.0
	1188	N8810	493	3130	1376	80	200	96.5	96.0	95.0	88.5	87.0	82.7
2500	1788	N8810	530	3440	1016	80	200	96.5	96.0	95.0	91.5	89.5	83.5

Note:

- Above data are typical values and for reference only.
- (a) For motors 500HP and smaller, performance test per ANSI/IEEE standard 112 method B.
(b) For motors above 500HP, performance test per ANSI/IEEE standard 112 method F1.

ALL DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



MEDIUM VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase , 60Hz , 4160V , S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
150	880	N5009	22.1	135	124	100	200	93.5	93.0	91.0	75.0	68.5	56.0
	705	N5009	22.8	135	155	100	200	93.5	93.0	91.0	73.0	65.5	54.0
175	880	N5009	25.7	160	144	100	200	94.0	93.2	91.0	75.0	68.0	56.0
	705	N5009	26.4	160	180	100	200	94.0	93.2	91.0	73.0	65.5	54.0
200	3550	N5009	24.5	170	40.9	100	200	94.0	93.5	92.0	90.0	87.5	82.0
	1775	N5009	26.5	170	81.9	100	200	94.0	93.5	91.5	83.0	80.0	72.0
	1180	N5009	28.2	170	123	100	200	94.0	93.5	92.0	78.0	73.0	64.0
	880	N5009	29.4	170	165	100	200	94.0	93.2	91.0	75.0	68.0	56.5
	705	N5011	30.0	170	206	100	200	94.0	93.2	91.0	73.5	66.0	54.5
250	3550	N5009	30.6	210	51.2	100	200	94.0	93.5	92.0	90.0	87.5	82.0
	1775	N5009	32.6	210	102	100	200	94.0	93.5	92.0	84.5	81.5	73.5
	1180	N5009	36.2	210	154	100	200	94.0	93.5	92.0	76.0	70.5	60.5
	880	N5009	36.7	210	206	100	200	94.0	93.0	91.0	75.0	68.0	56.5
	705	N5808	37.2	210	258	100	200	94.0	93.5	91.5	74.0	66.5	54.5
300	3550	N5009	36.3	250	61.4	90	200	94.5	94.0	93.0	90.5	88.0	82.5
	1775	N5009	38.4	250	123	100	200	94.5	94.0	93.0	85.5	82.5	74.5
	1180	N5009	43.0	250	185	100	200	94.5	94.0	92.5	76.5	71.5	61.5
	880	N5011	43.5	250	248	100	200	94.5	94.0	92.5	75.5	68.5	57.0
	705	N5808	44.4	250	309	100	200	94.5	94.0	92.5	74.0	66.5	54.5
350	3550	N5009	42.4	295	71.6	90	200	95.0	94.8	93.5	90.0	87.5	82.0
	1775	N5009	45.1	295	143	100	200	95.0	94.8	93.5	84.5	81.5	73.5
	1180	N5011	48.0	295	216	100	200	95.0	94.8	93.5	79.5	74.5	65.5
	885	N5808	48.9	290	287	100	200	95.0	94.5	93.2	78.0	73.0	62.5
	708	N6310	49.5	290	359	100	200	95.0	94.5	93.2	77.0	72.0	61.0
400	3550	N5808	48.2	330	81.9	90	200	95.0	95.0	94.0	90.5	88.0	83.0
	1775	N5011	51.3	330	164	100	200	95.0	95.0	94.0	85.0	82.0	74.0
	1180	N5011	54.8	330	246	100	200	95.0	94.8	93.5	79.5	74.5	65.5
	885	N5810	55.9	330	328	100	200	95.0	94.5	93.2	78.0	73.0	62.5
	708	N6310	56.6	330	411	100	200	95.0	94.5	93.2	77.0	72.0	61.0
450	3550	N5808	53.9	370	92.1	90	200	95.5	95.0	94.0	90.5	88.0	83.0
	1775	N5011	57.7	370	184	100	200	95.5	95.0	94.0	84.5	81.5	73.5
	1180	N5808	59.9	370	277	100	200	95.5	95.0	94.0	81.5	77.5	70.0
	885	N5810	62.3	370	369	100	200	95.2	94.8	93.5	78.5	73.5	63.5
	708	N6310	63.7	370	462	100	200	95.0	94.5	93.2	77.0	72.0	61.0
500	3550	N5808	59.9	415	102	90	200	95.5	95.0	94.0	90.5	88.0	83.0
	1775	N5011	63.8	415	205	100	200	95.5	95.0	94.0	85.0	82.0	74.0
	1180	N5808	66.5	415	308	100	200	95.5	95.0	94.0	81.5	77.5	70.0
	885	N6310	68.4	410	411	100	200	95.2	94.8	93.5	79.5	74.5	64.5
	708	N6310	70.3	410	513	100	200	95.0	94.5	93.2	77.5	72.5	61.5
600	3555	N5810	71.7	490	123	90	200	95.8	95.4	94.4	90.5	88.0	83.0
	1775	N5810	74.5	485	246	100	200	95.8	95.4	94.4	87.0	84.5	77.0
	1180	N5810	78.4	485	369	100	200	95.5	95.0	94.0	83.0	79.0	71.5
	885	N6310	80.8	480	493	100	200	95.5	95.0	94.0	80.5	76.0	66.5
	708	N6810	81.6	480	616	100	200	95.2	94.8	93.5	80.0	75.0	63.0
700	3555	N5810	83.6	570	143	90	200	95.8	95.4	94.4	90.5	88.0	83.0
	1775	N5810	86.5	560	287	100	200	95.8	95.4	94.4	87.5	85.0	77.5
	1180	N6310	89.5	560	431	100	200	95.8	95.4	94.4	84.5	80.5	73.0
	885	N6810	92.6	550	575	100	200	95.5	95.0	94.0	82.0	77.5	68.0
	710	N7808	93.7	550	716	100	200	95.5	95.0	94.0	81.0	76.0	66.0



MEDIUM VOLTAGE MOTOR
 TEFC, Horizontal Foot-Mounted
 3 Phase , 60Hz , 4160V , S.F. 1.0
 Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
800	3560	N6310	94.8	645	163	80	200	96.0	95.6	94.6	91.0	88.5	84.0
	1780	N6310	98.6	640	327	100	200	96.0	95.6	94.6	87.5	85.0	77.5
	1180	N6310	102	640	493	100	200	95.8	95.4	94.4	84.5	80.5	73.0
	885	N6810	106	630	657	100	200	95.5	95.0	94.0	82.0	77.5	68.0
	710	N7808	107	630	819	100	200	95.5	95.0	94.0	81.0	76.0	66.0
900	3560	N6310	107	730	184	80	200	96.0	95.6	94.6	91.0	88.5	84.0
	1780	N6310	111	720	367	100	200	96.0	95.6	94.6	87.5	85.0	77.5
	1185	N6810	114	720	552	100	200	96.0	95.6	94.6	85.5	81.0	73.5
	890	N7808	116	720	735	100	200	95.8	95.4	94.4	84.0	79.5	70.0
	710	N7808	120	720	921	100	200	95.5	95.0	94.0	81.0	76.0	66.0
1000	3560	N6810	119	810	204	80	200	96.0	95.8	95.0	91.0	88.5	84.0
	1780	N6310	123	805	408	100	200	96.0	95.6	94.6	87.5	85.0	77.5
	1185	N6810	126	795	613	100	200	96.0	95.6	94.6	85.5	81.0	73.5
	890	N7808	128	795	816	100	200	95.8	95.4	94.4	84.5	80.0	70.5
	710	N7808	134	795	921	100	200	95.5	95.0	94.0	81.0	76.0	66.0
1250	1780	N6810	151	980	510	80	200	96.0	95.8	95.0	89.0	87.0	81.0
	1185	N7808	156	980	766	90	200	96.0	95.8	95.0	86.5	83.5	76.5
	890	N8810	158	980	1021	90	200	95.8	95.3	94.0	85.5	81.0	71.5
	710	N8810	164	980	1279	90	200	96.0	95.5	94.5	82.0	78.0	68.0
1500	1785	N7808	179	1165	611	80	200	96.5	96.0	95.0	90.0	88.0	82.0
	1185	N7808	187	1165	920	90	200	96.0	95.8	95.0	86.5	83.5	76.5
	890	N8810	189	1165	1225	90	200	96.0	95.6	94.5	85.5	81.5	72.0
	710	N8810	197	1165	1535	90	200	96.0	95.5	94.5	82.0	78.0	68.0
1750	1785	N7808	209	1365	712	85	200	96.5	96.0	95.0	90.0	88.0	82.0
	1185	N8810	214	1365	1073	85	200	96.5	95.6	94.5	87.8	86.5	82.0
	890	N8810	221	1365	1429	85	200	96.0	95.6	94.5	85.5	81.5	72.0
2000	1785	N8810	237	1535	814	80	200	96.5	96.0	95.0	90.5	88.5	82.5
	1185	N8810	243	1535	1226	80	200	96.5	95.8	94.5	88.2	86.8	82.3
2250	1785	N8810	265	1730	916	80	200	96.5	96.0	95.0	91.0	89.0	83.0
	1185	N8810	273	1730	1380	80	200	96.5	96.0	95.0	88.5	87.0	82.8
2500	1788	N8810	295	1900	1016	80	200	96.5	96.0	95.0	91.0	89.0	83.0

Note:

- Above data are typical values and for reference only.
- (a) For motors 500HP and smaller, performance test per ANSI/IEEE standard 112 method B.
 (b) For motors above 500HP, performance test per ANSI/IEEE standard 112 method F1.

ALL DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



HIGH VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase, 60Hz, 6600V, S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
200	3550	N5009	15.5	110	40.9	100	200	93.5	93.0	91.5	90.0	87.5	82.0
	1775	N5009	16.5	110	81.9	100	200	94.0	93.5	92.5	84.0	81.0	73.0
	1180	N5009	17.8	110	123	100	200	94.0	93.5	92.0	78.0	73.0	63.0
	880	N5808	18.9	110	165	100	200	93.5	92.0	90.0	74.0	68.0	54.0
	705	N5808	19.3	110	206	100	200	93.5	93.0	91.0	72.5	65.0	53.0
250	3550	N5009	19.3	135	51.2	100	200	93.8	93.2	91.8	90.0	87.5	82.0
	1775	N5009	20.5	135	102	100	200	94.0	93.5	92.5	84.5	81.5	73.5
	1180	N5009	22.3	135	154	100	200	94.0	93.5	92.0	78.0	73.0	63.0
	880	N5808	23.6	135	206	100	200	93.5	92.2	90.0	74.0	69.0	56.0
	705	N5810	23.9	135	258	100	200	93.5	93.0	91.0	73.0	65.5	53.5
300	3550	N5009	23.1	160	61.4	100	200	94.2	93.8	92.5	90.0	87.5	82.0
	1775	N5009	24.5	160	123	100	200	94.0	93.5	92.5	85.0	82.0	74.0
	1180	N5011	26.6	160	185	100	200	94.5	93.5	92.0	78.0	73.0	63.0
	880	N5810	27.8	160	248	100	200	94.0	93.5	92.0	75.0	70.0	57.0
	708	N6310	28.1	160	308	100	200	94.0	93.5	92.0	74.0	66.5	54.5
350	3550	N5808	26.9	190	71.6	90	200	94.5	94.0	93.0	90.0	87.5	82.0
	1775	N5011	28.8	190	143	100	200	94.5	94.0	93.0	84.0	81.0	73.0
	1180	N5810	29.5	185	216	100	200	95.0	94.0	93.0	81.5	78.5	70.0
	880	N5810	32.0	185	289	100	200	94.0	93.7	92.2	76.0	71.0	58.0
	708	N6310	32.6	185	359	100	200	94.0	93.7	92.2	74.5	67.5	55.5
400	3550	N5808	30.7	215	81.9	90	200	94.5	94.0	93.0	90.0	87.5	82.0
	1775	N5011	32.7	210	164	100	200	94.5	94.0	93.0	84.5	81.5	73.5
	1180	N5810	33.5	210	246	100	200	95.0	94.0	93.0	82.0	79.0	70.5
	885	N6310	36.3	210	328	100	200	94.0	93.7	92.2	76.5	71.5	58.5
	708	N6310	37.0	210	411	100	200	94.0	93.7	92.2	75.0	68.0	56.0
450	3550	N5810	34.2	240	92.1	90	200	95.0	94.5	93.0	90.5	88.0	83.0
	1780	N5810	35.7	230	184	100	200	95.0	94.4	93.0	86.5	83.5	76.0
	1180	N5810	37.7	230	277	100	200	95.0	94.0	93.0	82.0	79.0	70.5
	885	N6310	40.6	230	369	100	200	94.5	94.0	92.5	76.5	71.5	58.5
	710	N6810	39.8	230	461	100	200	94.5	94.0	92.5	78.0	71.0	60.0
500	3550	N5810	38.0	265	102	90	200	94.8	94.4	93.0	90.5	88.0	83.0
	1780	N5810	39.7	260	204	100	200	95.0	94.4	93.0	86.5	83.5	76.0
	1180	N5810	41.9	260	308	100	200	95.0	94.5	93.5	82.0	79.0	70.5
	885	N6310	43.2	260	411	100	200	94.5	94.0	92.5	80.0	75.0	65.0
	710	N6810	44.3	260	512	100	200	94.5	94.0	92.5	78.0	72.0	60.0
600	3560	N6310	45.1	315	122	90	200	95.5	95.0	94.0	91.0	88.5	84.0
	1780	N5810	47.1	305	245	100	200	95.0	95.0	93.5	87.5	84.5	77.0
	1185	N6310	48.5	305	368	100	200	95.0	95.0	93.5	85.0	81.0	72.0
	885	N6810	49.7	305	493	100	200	95.0	94.4	93.0	83.0	78.0	68.0
	710	N7808	51.5	305	614	100	200	95.0	94.4	93.0	80.0	74.0	62.0
700	3560	N6810	52.6	360	143	90	200	95.5	95.0	94.0	91.0	88.5	84.0
	1780	N6310	54.8	355	286	100	200	95.2	94.8	94.0	87.5	84.5	77.0
	1185	N6810	55.8	350	429	100	200	95.2	94.8	94.0	86.0	82.0	74.0
	890	N7808	57.8	350	571	100	200	95.2	94.8	94.0	83.0	78.0	68.0
	710	N7808	60.1	350	716	100	200	95.0	94.4	93.0	80.0	74.0	62.0
800	3560	N6810	60.1	410	163	90	200	95.5	95.0	94.0	91.0	88.5	84.0
	1785	N6810	62.5	405	326	100	200	95.5	95.0	94.0	87.5	84.0	77.0
	1185	N6810	63.8	405	491	100	200	95.2	94.8	94.0	86.0	82.0	74.0
	890	N7808	64.5	400	653	100	200	95.2	94.8	94.0	85.0	80.0	70.0
	710	N7808	68.7	400	819	100	200	95.0	94.5	94.0	80.0	74.0	62.0



HIGH VOLTAGE MOTOR

TEFC, Horizontal Foot-Mounted

3 Phase, 60Hz, 6600V, S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
900	3560	N6810	67.6	460	184	90	200	95.5	95.0	94.2	91.0	88.5	84.0
	1785	N6810	69.9	455	366	90	200	95.5	95.0	94.2	88.0	85.0	78.0
	1185	N7808	71.5	450	552	100	200	95.5	95.0	94.2	86.0	82.0	74.0
	890	N7808	72.4	450	735	100	200	95.5	94.8	94.0	85.0	80.0	70.0
	710	N8810	75.9	450	921	100	200	95.5	94.5	94.0	81.0	75.0	65.0
1000	1785	N6810	77.2	500	407	90	200	95.5	95.0	94.2	88.5	85.5	78.5
	1185	N7808	79.5	500	613	90	200	95.5	95.0	94.2	86.0	82.0	74.0
	890	N7808	80.4	490	816	90	200	95.5	94.8	94.0	85.0	80.0	70.0
	710	N8810	84.4	490	1023	90	200	95.5	95.0	94.0	81.0	75.0	65.0
1250	1785	N7808	95.7	620	509	90	200	95.8	95.3	94.5	89.0	86.0	79.0
	1185	N8810	99.3	620	766	90	200	95.5	95.0	94.2	86.0	82.0	74.0
	890	N8810	100	620	1021	90	200	95.5	95.0	94.5	85.5	80.5	70.5
	710	N8810	105	620	1279	90	200	95.5	95.0	94.0	81.0	75.0	65.0
1500	1785	N7808	115	750	611	90	200	95.8	95.5	94.5	89.0	86.0	79.0
	1185	N8810	119	750	920	90	200	96.0	95.5	94.5	86.0	82.0	74.0
	890	N8810	120	750	1225	90	200	95.5	95.0	94.5	85.5	80.5	70.5
1750	1785	N8810	131	860	712	80	200	96.5	96.0	95.0	90.0	87.0	80.0
	1185	N8810	138	860	1073	80	200	96.0	95.5	95.0	86.5	82.5	74.5
2000	1785	N8810	150	980	814	80	200	96.5	96.0	95.0	90.0	87.0	80.0
2250	1785	N8810	169	980	916	80	200	96.5	96.0	95.0	90.0	87.0	80.0

Note:

1. Above data are typical values and for reference only.
2. (a) For motors 500HP and smaller, performance test per ANSI/IEEE standard 112 method B.
(b) For motors above 500HP, performance test per ANSI/IEEE standard 112 method F1.

ALL DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



HIGH VOLTAGE MOTOR - TEFC

TEFC, Horizontal Foot-Mounted

3 Phase, 60Hz, 11000V, S.F. 1.0

Class F Insulation, 40°C Ambient, Continuous Duty

PERFORMANCE DATA

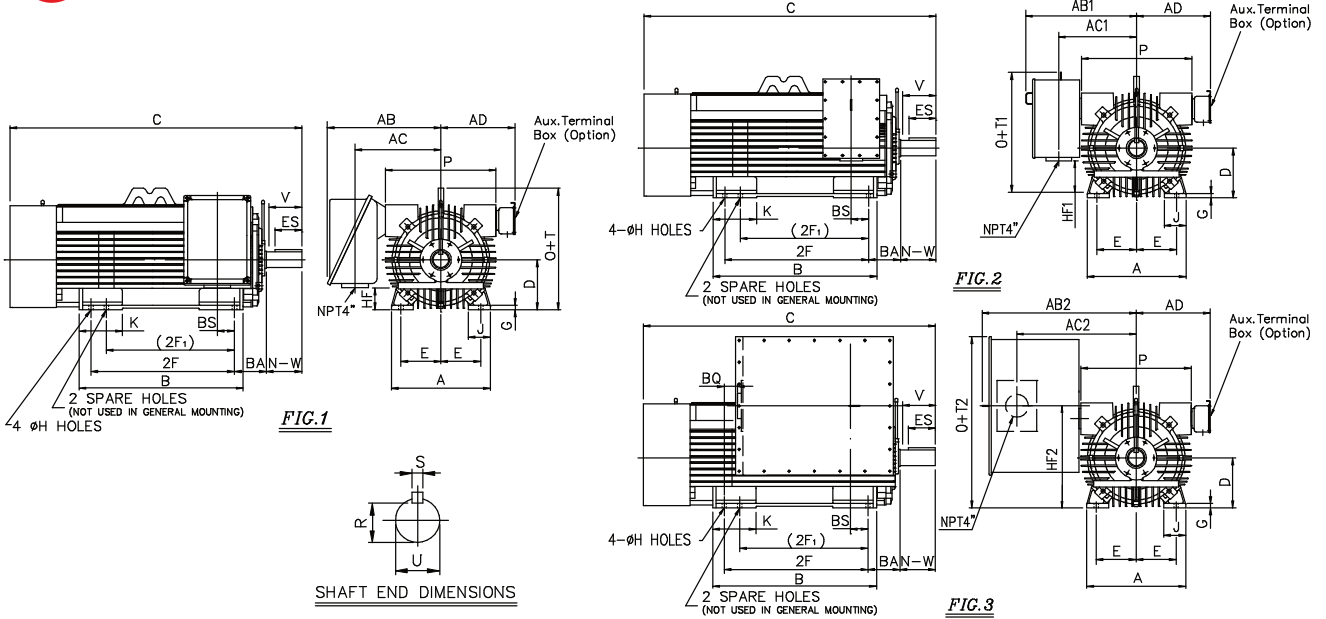
OUTPUT HP	FULL LOAD RPM	FRAME SIZE	CURRENT		TORQUE			EFFICIENCY			POWER FACTOR		
			FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (kg-m)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)	FULL LOAD (%)	3 / 4 LOAD (%)	1 / 2 LOAD (%)
350	880	N6310	18.7	103	289	100	200	94.0	93.5	92.5	78.0	74.5	65.0
400	1180	N6310	20.2	122	246	100	200	94.0	93.5	93.0	82.5	77.5	68.5
	880	N6310	21.2	117	330	100	200	94.0	93.5	92.5	78.5	74.5	65.5
450	3550	N6310	20.6	145	92	90	200	95.0	94.0	92.5	90.0	88.5	84.5
	1780	N6310	21.7	142	184	100	200	94.8	94.0	92.5	85.5	83.0	75.5
	1180	N6310	22.5	135	277	100	200	94.5	94.0	92.5	83.0	78.0	69.0
	885	N6310	23.8	132	369	100	200	94.2	93.5	92.5	78.5	75.0	65.5
500	3550	N6310	22.9	160	102	90	200	95.0	94.0	92.5	90.0	88.5	84.5
	1780	N6310	24.2	157	204	100	200	94.8	94.0	92.5	85.5	83.0	75.5
	1180	N6310	24.7	148	308	100	200	94.5	94.0	92.5	84.0	80.0	72.5
	885	N6810	26.4	145	411	100	200	94.5	94.0	93.0	78.5	75.0	65.5
600	3560	N6310	27.4	192	122	90	200	95.2	95.0	94.0	90.0	89.5	84.5
	1780	N6310	28.9	188	245	100	200	95.0	94.5	92.5	85.5	83.0	75.5
	1185	N6810	29.3	176	368	100	200	94.8	94.5	93.0	84.5	80.5	72.5
	885	N6810	31.0	170	493	100	200	94.8	94.5	93.0	80.0	76.5	67.0
700	3560	N6810	31.7	220	143	90	200	95.5	95.0	94.0	90.5	90.0	87.0
	1780	N6810	33.2	216	286	100	200	95.3	95.0	93.5	86.5	84.0	77.0
	1185	N6810	33.9	204	429	100	200	95.0	94.5	93.5	85.0	81.0	73.5
	890	N7808	35.2	194	571	100	200	95.0	94.5	93.5	82.0	78.5	70.5
800	3560	N6810	36.2	254	163	90	200	95.5	95.0	94.0	90.5	90.0	87.0
	1785	N6810	37.9	247	326	100	200	95.5	95.0	93.5	86.5	84.0	77.0
	1185	N7808	38.7	233	491	100	200	95.2	95.0	94.0	85.0	81.0	73.5
	890	N7808	40.2	222	653	100	200	95.0	94.5	93.5	82.0	78.5	70.5
900	3560	N6810	40.8	285	184	90	200	95.5	95.0	94.0	90.5	90.0	87.0
	1785	N6810	42.7	277	366	100	200	95.5	95.0	94.0	86.5	84.0	77.0
	1185	N7808	43.2	260	552	100	200	95.3	95.0	94.0	85.5	81.5	73.5
	890	N7808	45.1	248	735	100	200	95.2	94.7	94.0	82.0	78.5	70.5
1000	1785	N7808	46.8	305	407	90	200	95.6	95.0	94.0	87.5	86.5	82.0
	1185	N7808	47.7	286	613	100	200	95.5	95.0	94.0	86.0	82.0	74.5
	890	N8810	49.1	270	816	100	200	95.5	95.0	94.0	83.5	80.5	71.5
1250	1785	N7808	58.5	380	509	90	200	95.7	95.5	94.5	87.5	86.5	82.0
	1185	N8810	59.5	357	766	100	200	95.6	95.0	94.0	86.0	82.5	74.5
	890	N8810	61.3	337	1021	100	200	95.6	95.0	94.0	83.5	80.5	71.5
1350	1785	N7808	63.1	410	550	90	200	95.8	95.5	94.5	87.5	86.5	82.0
	1185	N8810	63.8	383	828	100	200	95.8	95.2	94.0	86.5	82.5	75.0
	890	N8810	66.1	364	1102	100	200	95.8	95.3	94.0	83.5	80.5	71.0
1500	1785	N8810	69.9	455	611	90	200	96.0	95.5	94.5	87.5	86.5	82.0
	1185	N8810	70.9	425	920	90	200	95.8	95.5	94.5	86.5	82.5	75.0
1750	1785	N8810	79.8	518	712	90	200	96.0	95.5	94.5	89.5	87.5	84.0
	1185	N8810	82.0	492	1073	90	200	96.0	95.5	94.5	87.0	83.0	75.5
2000	1785	N8810	91.1	592	814	90	200	96.0	95.5	94.5	89.5	87.5	84.0
2250	1785	N8810	102.5	667	916	90	200	96.0	95.5	94.5	89.5	87.5	84.0

Note:(1) Above data are typical values and for reference only.

(2)(a) For motors 500HP and smaller, performance test per ANSI/IEEE standard 112 method B.

(b) For motors above 500HP, performance test per ANSI/IEEE standard 112 method F1.

ALL DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



FRAME NO.	POLES	FIG. NO. ⁹⁾	A	B	C ⁷⁾	D	E	2F	(2F ₁)	G	H	J	K	AD	P	O+T	O+T ⁹⁾	O+T ₂ ⁹⁾	O+T ₁ ⁹⁾	HF	HF ₁ ⁹⁾	HF ₂ ⁹⁾
N5009	2	1 or 2	24.8	33.86	69.9	12.5	10.0	28.0	22.0	1.06	1.1	5.51	11.22	18.2	27.8	30.4	33.4	—	4.8	6.0	—	
	4~10	1 or 2	24.8	33.86	67.4	12.5	10.0	28.0	22.0	1.06	1.1	5.51	11.22	18.2	27.8	30.4	33.4	—	4.8	6.0	—	
N5011	4~10	1 or 2	24.8	41.85	75.2	12.5	10.0	36.0	32.0	1.06	1.1	5.51	11.22	18.2	27.8	30.4	33.4	—	4.8	6.0	—	
N5808	2	1 or 2	28.0	33.86	78.6	14.5	11.5	28.0	25.0	1.54	1.1	6.30	11.22	20.3	32.3	34.2	36.9	—	8.35	9.53	—	
	4~10	1 or 2	28.0	33.86	73.3	14.5	11.5	28.0	25.0	1.54	1.1	6.30	11.22	20.3	32.3	34.2	36.9	—	8.35	9.53	—	
N5810	2	1 or 2	28.0	41.85	86.1	14.5	11.5	36.0	32.0	1.54	1.1	6.30	11.22	20.3	32.3	34.2	36.9	—	8.35	9.53	—	
	4~10	1 or 2	28.0	41.85	80.7	14.5	11.5	36.0	32.0	1.54	1.1	6.30	11.22	20.3	32.3	34.2	36.9	—	8.35	9.53	—	
N6310	2	1 or 2 or 3	31.5	47.24	85.5	15.75	13.5	40.0	32.0	1.57	1.38	6.50	15.47	23.4	35.5	37.0	40.9	54.92	12.28	13.47	33.47	
	4~10	1 or 2 or 3	31.5	47.24	80.7	15.75	13.5	40.0	32.0	1.57	1.38	6.50	15.47	23.4	35.5	37.0	40.9	54.92	12.28	13.47	33.47	
N6810	2	2 or 3	33.9	53.54	92.0	17.0	13.5	45.0	36.0	1.57	1.38	6.50	17.12	24.6	37.8	—	44.0	58.07	—	16.61	36.61	
	4~10	2 or 3	33.9	53.54	90.2	17.0	13.5	45.0	36.0	1.57	1.38	6.50	17.12	24.6	37.8	—	44.0	58.07	—	16.61	36.61	
N7808	4~10	2 or 3	40.2	57.87	98.5	19.7	16.75	49.2	39.4	1.77	1.65	8.27	18.31	26.6	41.8	—	48.0	62.01	—	20.55	40.55	
N8810	4	2 or 3	44.1	63.78	105.2	22.05	18.7	55.13	—	1.97	1.89	9.45	18.90	29.5	47.7	—	51.9	65.95	—	24.49	44.49	
N8810	6~10	2 or 3	44.1	63.78	107.1	22.05	18.7	55.13	—	1.97	1.89	9.45	18.90	29.5	47.7	—	51.9	65.95	—	24.49	44.49	

FRAME NO.	POLES	FIG. NO. ⁹⁾	AB ⁹⁾	AB ₁ ⁹⁾	AB ₂ ⁹⁾	AC ⁹⁾	AC ₁ ⁹⁾	AC ₂ ⁹⁾	BA ⁶⁾	BS	BQ ⁹⁾	SHAFT END					BEARING		APPROX. WEIGHT (LBS)	
												U	N-W	ES	S	R	V	D.E.		N.D.E.
N5009	2	1 or 2	27.8	32.7	—	20.87	23.50	—	8.5	0.83	—	2.625	5.50	4.75	0.625	2.275	5.3	6315C3	6315C3	4405
	4~10	1 or 2	27.8	32.7	—	20.87	23.50	—	8.5	0.83	—	3.750	6.70	5.50	0.875	3.261	6.5	6222	6222	4405
N5011	4~10	1 or 2	27.8	32.7	—	20.87	23.50	—	8.5	0.53	—	3.750	6.70	5.50	0.875	3.261	6.5	6222	6222	5070
N5808	2	1 or 2	29.8	34.8	—	22.84	25.59	—	10.0	0.39	—	2.875	5.50	4.75	0.750	2.450	5.3	6218C3	6218C3	5400
	4~10	1 or 2	29.8	34.8	—	22.84	25.59	—	10.0	0.39	—	4.375	8.30	6.70	1.0	3.817	8.1	6224C3	6224C3	5400
N5810	2	1 or 2	29.8	34.8	—	22.84	25.59	—	10.0	-0.37	—	2.875	5.50	4.75	0.750	2.450	5.3	6218C3	6218C3	6600
	4~10	1 or 2	29.8	34.8	—	22.84	25.59	—	10.0	-0.37	—	4.375	8.30	6.70	1.0	3.817	8.1	6224C3	6224C3	6600
N6310	2	1 or 2 or 3	33.1	36.6	48.9	26.10	27.44	37.80	11.0	0.71	0.39	3.125	6.70	5.50	0.750	2.704	6.5	6218C3	6218C3	9250
	4~10	1 or 2 or 3	33.1	36.6	48.9	26.10	27.44	37.80	11.0	0.71	0.39	4.375	8.30	6.70	1.0	3.817	8.1	6224C3	6224C3	9250
N6810	2	2 or 3	—	37.8	50.1	—	28.62	38.98	11.5	1.24	4.72	3.375	6.70	5.50	0.875	2.880	6.5	6221C3 ⁸⁾	6221C3 ⁸⁾	11455
	4~10	2 or 3	—	37.8	50.1	—	28.62	38.98	11.5	1.24	4.72	4.875	8.30	6.70	1.250	4.169	8.1	6226C3	6224C3	11455
N7808	4~10	2 or 3	—	39.8	52.1	—	30.59	40.95	13.19	2.76	7.87	5.0	9.85	8.66	1.250	4.296	9.6	6230C3	6324C3	14100
N8810	4	2 or 3	—	42.7	55.0	—	33.54	43.90	13.98	3.94	12.60	5.0	9.85	8.66	1.250	4.296	9.6	NU228C3+6228C3	NU228C3	18700
N8810	6~10	2 or 3	—	42.7	55.0	—	33.54	43.90	13.98	3.94	12.60	6.30	11.81	9.84	1.50	5.459	11.6	NU1034C3+6034C3	NU228C3	18700

- Note:
- Dimension D tolerance : +0.00 inch ~ -0.06 inch.
 - Dimension U tolerance : +0.00 inch ~ -0.001 inch.
 - Dimension R tolerance : +0.00 inch ~ -0.015 inch.
 - Dimension V = Length of shaft available for coupling.
 - Dimensions A, B, C, G, AB, AB₁, AB₂, AC, AC₁, AC₂, HF, HF₁, HF₂, O+T, O+T₁, O+T₂, are approximate values.

- For direct coupled. Data for belt drive on request.
- C dimension may be extended to meet low noise level.
- Oil lubricated.
- Fig.1 for 4160 volts and below for N5009, N5011, N5808, N5810 and N6310
Fig.2 for 6600 volts for all frames and 4160 volts and below for N6810, N7808 and N8810
Fig.3 for 11000 volts for N6310, N6810, N7808 and N8810

Unit: inch