

DATE
DEC. 16, 2010
CAT. #: NP0606G

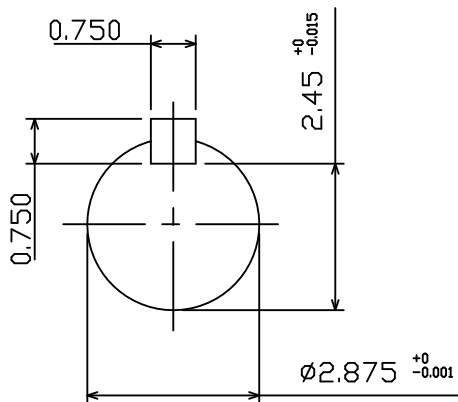
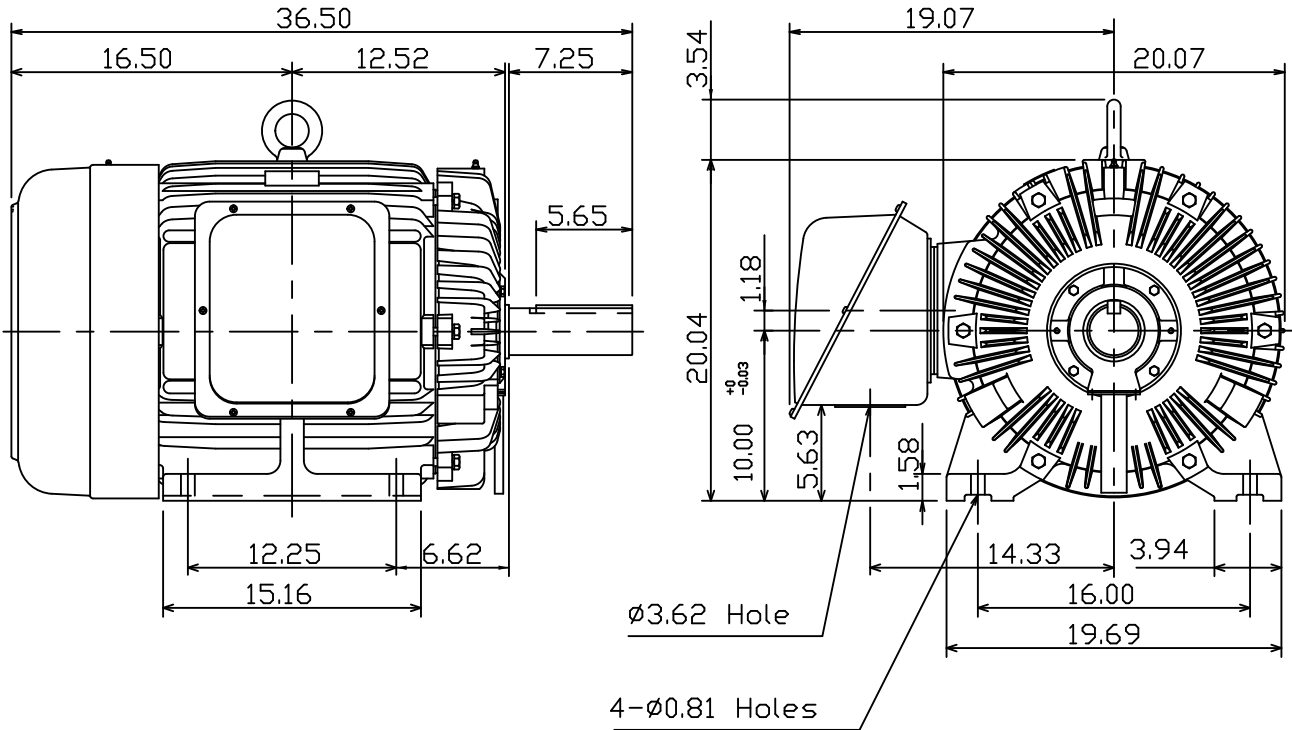
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHH8P-SGR
FRAME NO. 404T

Pole	HP	kW	Hz	VOLT	Syn.Speed r/min(rpm)
6	60	45	60	230/460	1200

Ins	Rating	Dimension in	Approx Weight	Bearings	
F	CONT.	inch	1137 lbs.	DE: 6317	NDE: 6313

Totally Enclosed Fan Cooled Type.Squirrel-cage Rotor.



1. Shaft Grounding Ring Installed

12.06.10 | 郭耿良

DWN.	J.H.LIANG	05-20-99
CHKD.	C.H.KAO	06-11-99
APPD.	Y.B.HUANG	06-11-99



DWG NO.
31049M240161

TECO Westinghouse

ISSUED 8/29/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8P-SGR		CATALOG# NP0606G

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
60	44.8	6	404T	230/460	60	40°C	F	B	CONT.	1.15

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)				
HZ	HP	RPM	TORQUE (lb-ft)	R1	R2	X1	X2	X _m
3~60	0.0075~60	60~1200	0.656~267	0.0512	0.1014	0.3354	0.5604	14.33

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	6~60	120~1200	267	60~90	60	1200~1800	267~178

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	
	MIN.%	NOM.%						
1180	93.6	94.5	94.5	94.1	87	86.5	80.5	78

CURRENTS									NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD			FULL LOAD			LOCKED ROTOR				COLD	HOT
AT 208 VOLT	AT 230 VOLT	AT 460 VOLT	AT 208 VOLT	AT 230 VOLT	AT 460 VOLT	AT 208 VOLT	AT 230 VOLT	AT 460 VOLT			
34.10	36.20	18.1	151.05	136.60	68.30	786.8	870.0	435	G	34	24

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
267.00	200	185	245	33.54	735	1828	5.36	12.98	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057NP0606G	REVISION:	1
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DATE:
December 6, 2010

CONNECTION DIAGRAM

CATALOG NO.:
NP0606G



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



LINE
230 VOLT CONNECTION



LINE
460 VOLT CONNECTION

***CONTACT TWMC IF YOU HAVE ANY QUESTIONS
REGARDING THE MOTOR CONNECTION.**

PH: 1-800-873-8326