

DATE
JAN. 15, 2015

CAT. #: NP0306G

OUTLINE DIMENSIONS

3-PHASE INDUCTION MOTOR

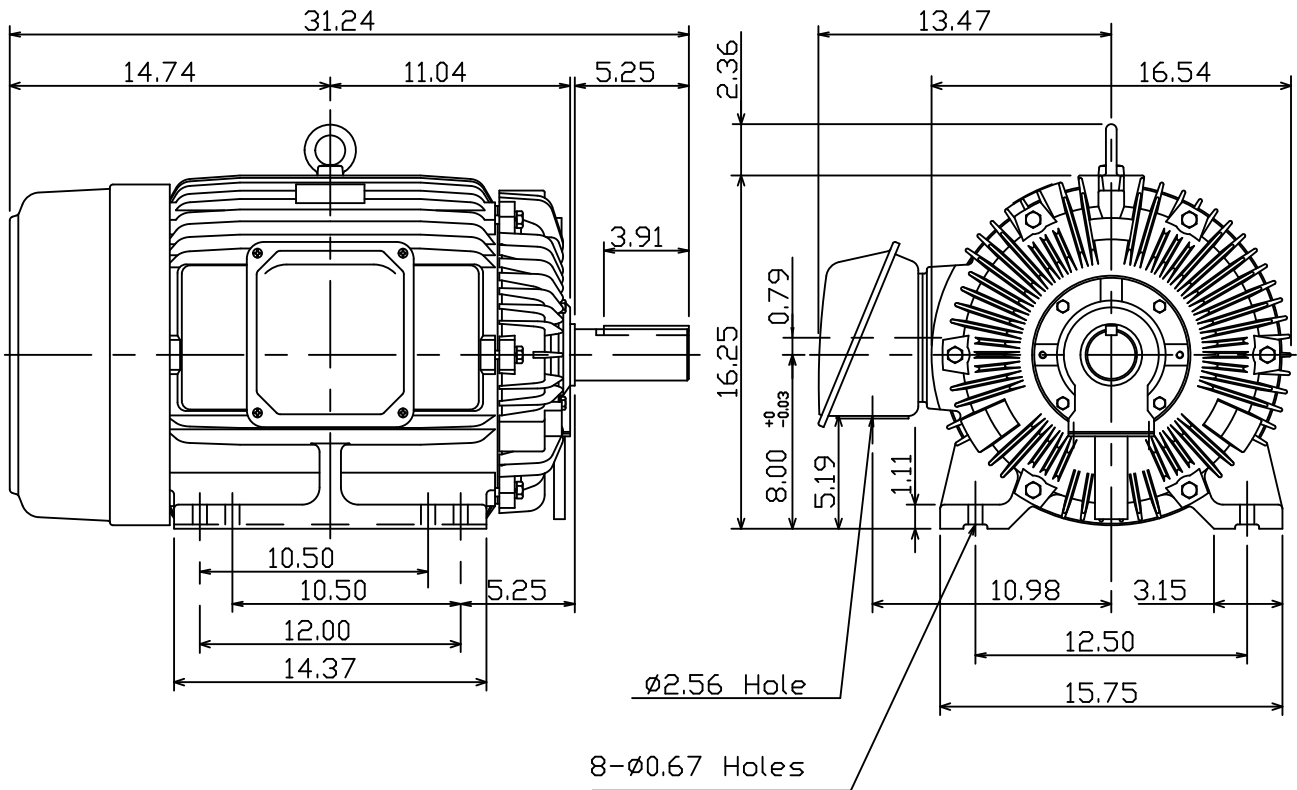
MOTOR TYPE:
AEHH8P-SGR

FRAME NO. 326T

Pole	HP	kW	Hz	VOLT	Syn.Speed r/min(rpm)
6	30	22.4	60	230/460	1200

Ins	Rating	Dimension in	Approx Weight	Bearings	
F	CONT.	inch	652 lbs.	DE: 6312	NDE: 6212

Totally Enclosed Fan-Cooled Type. Squirrel-cage Rotor.



NOTE:
1. Shaft Grounding Ring Installed



DWN.	K.L.KUD	12 06 10
CHKD.	K.L.KUD	12 07 10
APPD.	M.C.TSAI	12 07 10

TECO Westinghouse

DWG NO.
31049J357380

TECO Westinghouse

ISSUED 1/26/2015	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8P-SGR		CATALOG# NP0306G

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
30	22.4	6	326T	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	0.0038~30	60~1200	0.332~134.1	0.1129	0.2135	0.6729	1.1569	22.143

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	3~30	120~1200	134.1	60~90	30	1200~1800	134.1~89.4

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.%						
1175	91.7	93	93.6	93.6	80.5	78.5	71	72

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			
20.60	23.20	11.6	83.00	75.00	37.50	394.3	436.0	218	G	17	12

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
134.10	210	180	230	12.372	384	636	5.59	9.15	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057NP0306G	REVISION:	1
-----------	------------------	-------------	---------------------	-----------	----------

DATE:
December 6, 2010

CONNECTION DIAGRAM

CATALOG NO.:
NP0306G

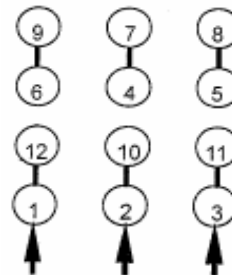


SCHEMATIC - Δ / Y CONNECTION

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