

DATE
JAN. 15, 2015
CAT. #: NP0036G

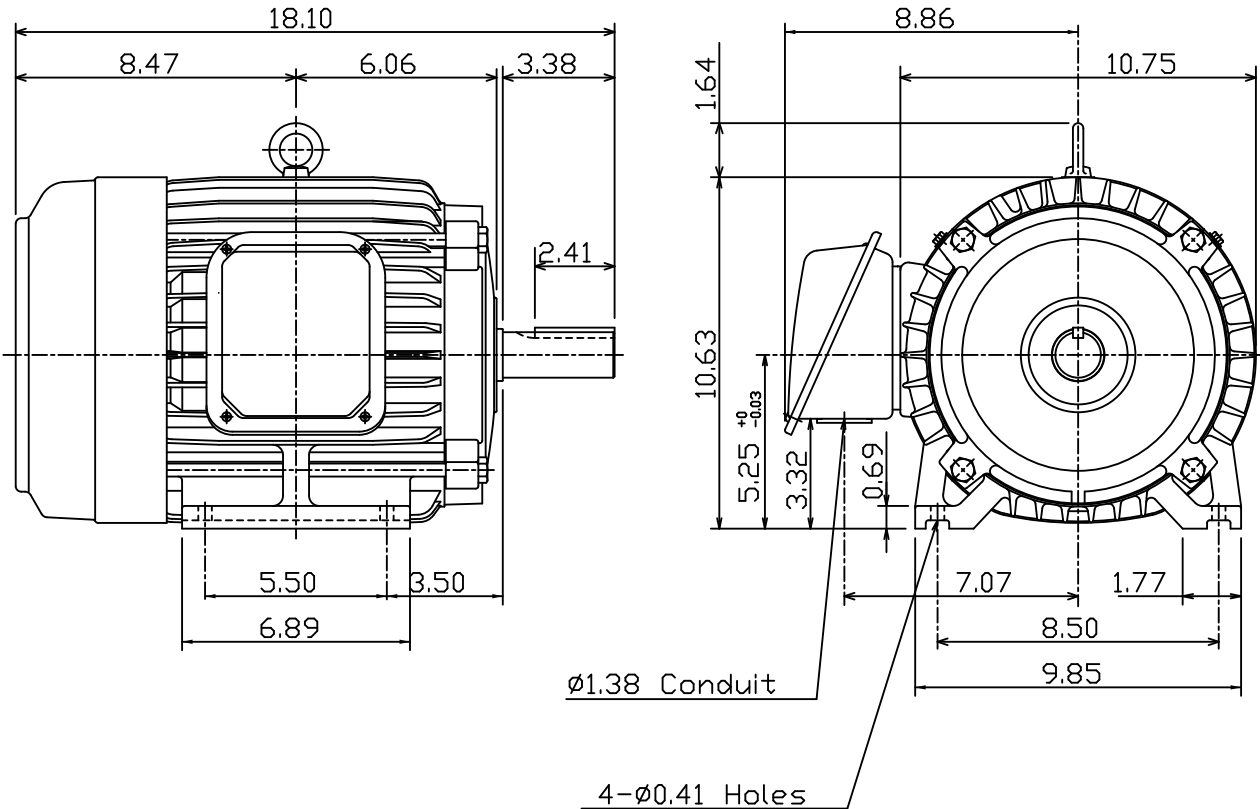
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHH8P-SGR
FRAME NO. 213T

Pole	HP	kW	Hz	VOLT	Syn.Speed r/min(rpm)
6	3	2.24	60	230/460	1200

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inch	150 lbs.	DE: 6308ZZ NDE: 6306ZZ

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



NOTE:
1. Shaft Grounding Ring Installed

09.24.01 S.L.CHIAN

DWN.	J.H.LIANG	05-20-99
CHKD.	C.S.LO	05-26-99
APPD.	Y.B.HUANG	05-26-99



DWG NO.
31049D191451

TECO Westinghouse

ISSUED 1/26/2015	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8P-SGR		CATALOG# NP0036G

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
3	2.2	6	213T	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	0.0004~3	60~1200	0.035~13.41	1.6662	2.8842	5.7461	7.5294	121.57

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	.3~3	120~1200	13.41	60~120	3	1200~2400	13.41~6.705

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	87.5	89.5	89.5	87.5	78	70.5	85.5	54

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			
3.73	4.18	2.09	8.89	8.04	4.02	57.9	64.0	32	K	88	62

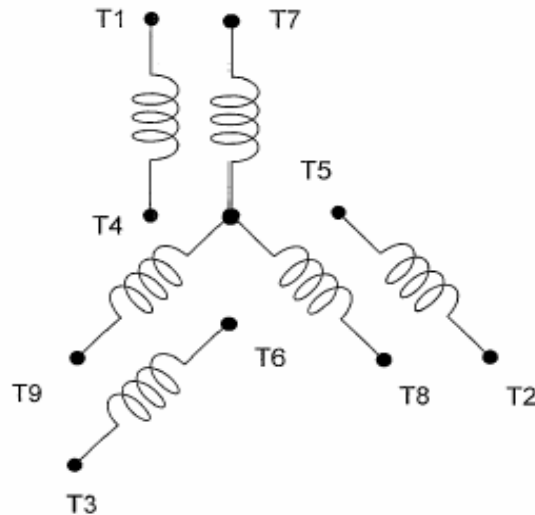
TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
13.41	210	180	340	0.918	44	378	4.98	42.00	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057NP0036G	REVISION:	1
-----------	------------------	-------------	---------------------	-----------	----------

DATE:
December 6, 2010

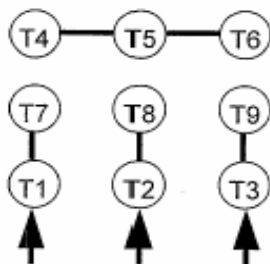
CONNECTION DIAGRAM

CATALOG NO.:
NP0036G

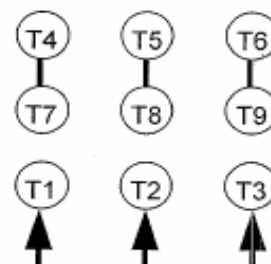


SCHEMATIC - 2Y/Y CONNECTION

ACROSS THE LINE CONNECTION



**LINE
230 VOLT CONNECTION**



**LINE
460 VOLT CONNECTION**