

DATE
JUNE 16, 2011
CATALOG NO.
XP1002

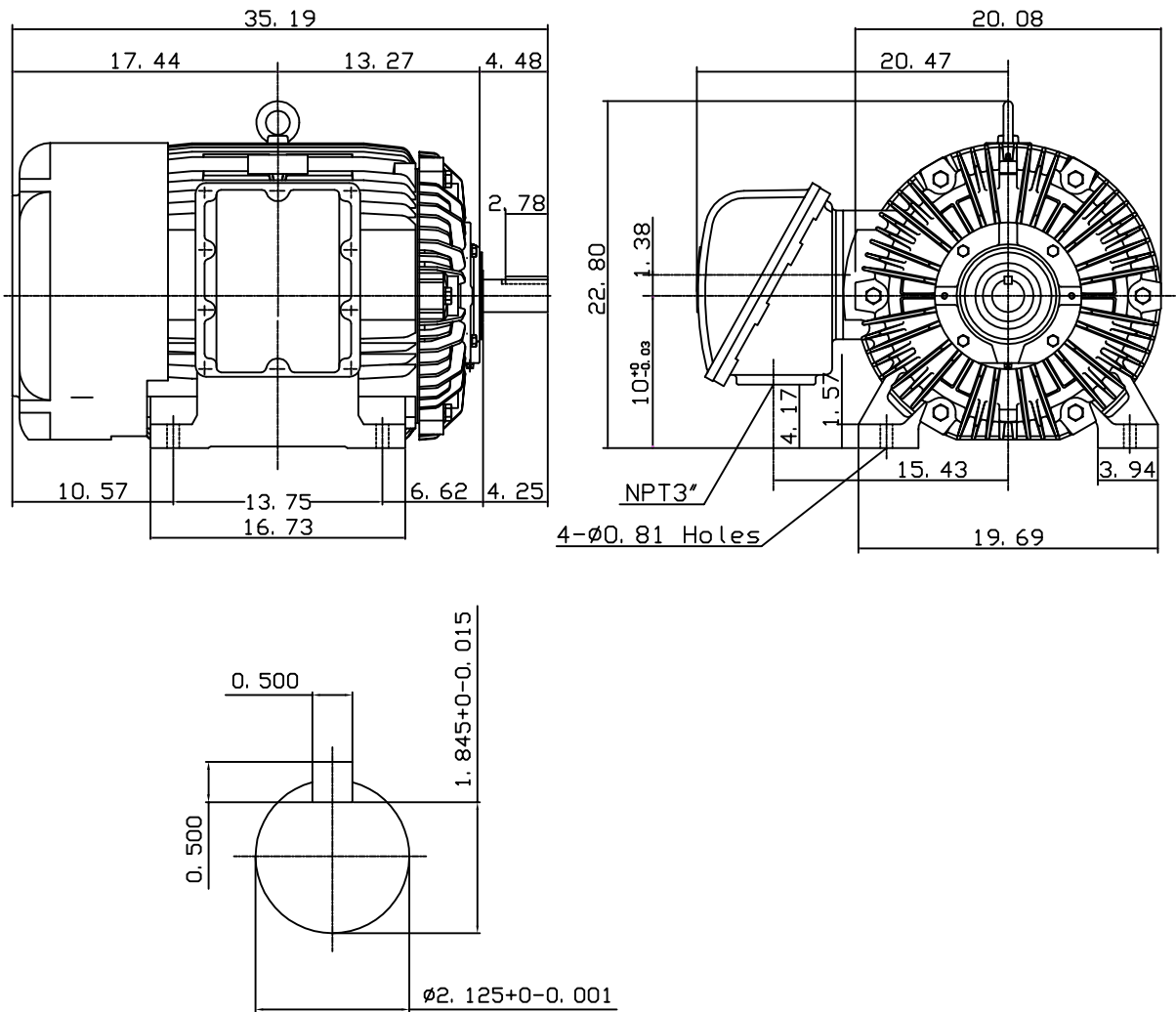
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHHXU
FRAME NO. 405TS

Pole	HP	KW	Hz	VOLT	RPM
2	100	75	60	230/460	3600

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	1349 lbs.	DE: 6313C3 NDE: 6313C3

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



Note:
1. EXPLOSION-PROOF:
Class I GROUP D AND
CLASS II GROUP E,F,G.



DWN.	G. L. GUD	06-19-00
CHKD.	C. H. KAD	06-22-00
APPD.	Y. B. HUANG	06-22-00

TECO Westinghouse

DWG NO.
31049M634140

TECO Westinghouse

ISSUED April 6, 2011	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE EXPLOSION PROOF
TYPE AEHHXU		CATALOG# XP1002

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
100	74.6	2	405TS	230/460	60	40°C	F	B	CONT.	1.15

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			MAXIMUM POWER FACTOR CORRECTION
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	F. L. %	3/4 LOAD %	1/2 LOAD %	
	MIN. %	NOM. %						
3560	93.6	94.5	95	95	92	91.5	88.5	14.2 KVAR

CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	AT	AT	AT	
208 VOLT	230 VOLT	460 VOLT	208 VOLT	230 VOLT	460 VOLT	208 VOLT	230 VOLT	460 VOLT	
39.37	35.60	17.80	238.85	216.00	108.00	1603.37	1450.00	725.00	G

TORQUE

INERTIA

ACCEL TIME

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
147.5	155	125	275	10.773	92	212.00	3.91	8.48

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	80
17	12	2	1	

APPROVED:	M. PRATER	DRAWING NO.	31057XP1002	REVISION 0
-----------	------------------	-------------	--------------------	-------------------

DATE:
May 14, 2011

CONNECTION DIAGRAM

CATALOG NO.:
XP1002



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