

DATE
JUNE 21, 2011
CATALOG NO.
XPO402

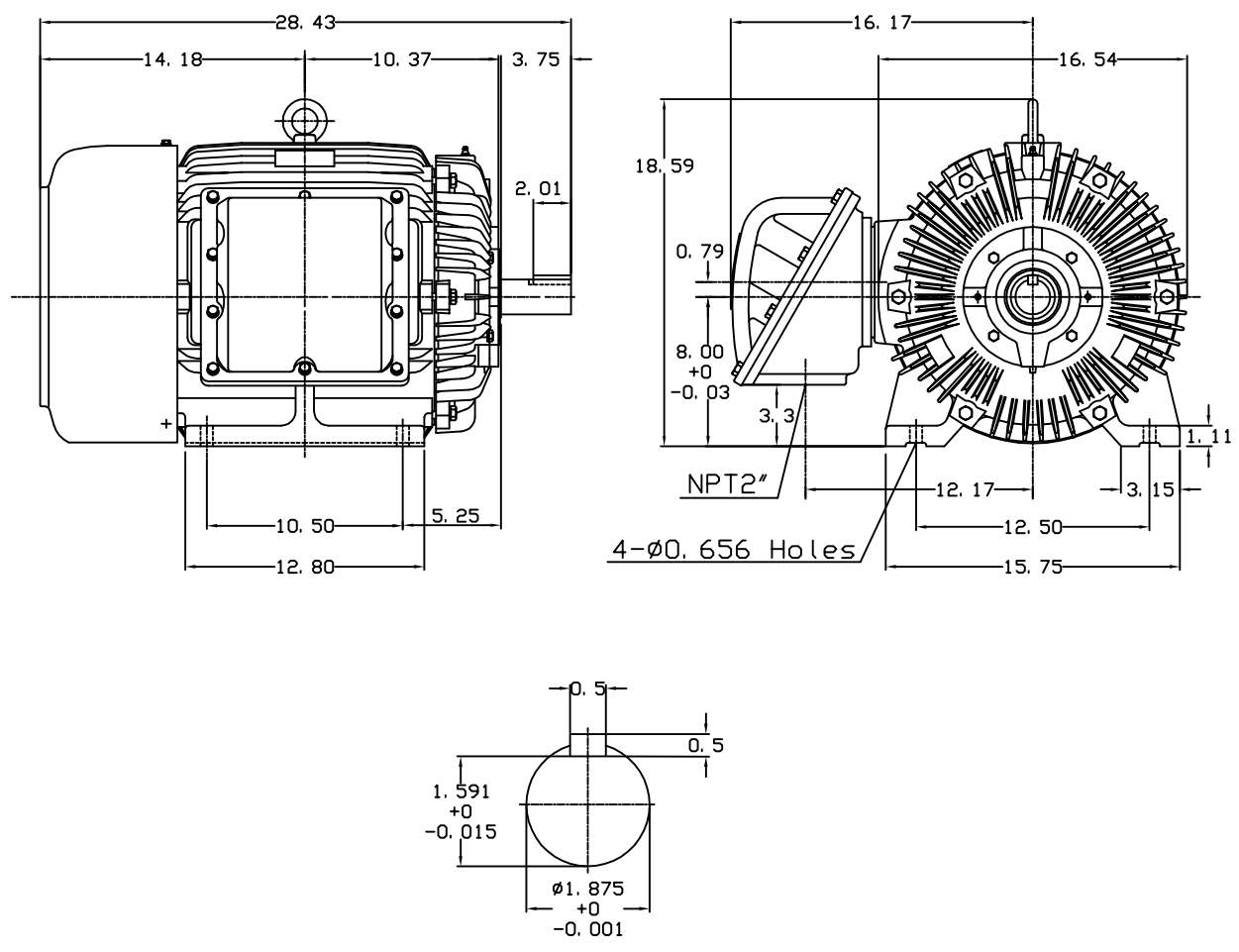
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHHXU
FRAME NO. 324TS

Pole	HP	KW	Hz	VOLT	Syn. Speed RPM
2	40	29.8	60	230/460	3600

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	691 lbs.	DE: 6312C3 NDE: 6212C3

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



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

03. 16. 00 J. C. LIN

DWN.	J. H. LIANG	11-30-98
CHKD.	C. H. KAO	12-26-98
APPD.	Y. B. HUANG	12-26-98



DWG NO.
31057H214110

TECO Westinghouse

ISSUED April 6, 2011	PERFORMANCE DATA	ENCLOSURE EXPLOSION PROOF
TYPE AEHHXU	3-PHASE INDUCTION MOTOR	CATALOG# XP0402

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
40	29.8	2	324TS	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. %						
3550	91.7	93	93.5	93	91	91	88	5.5 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	
15.37	13.90	6.95	97.97	88.60	44.30	641.35	580.00	290.00	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
59.16	175	110	240	3.59	40	85.00	4.36	8.85

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD		HOT		78
17	12	2	1	

APPROVED:	M. PRATER	DRAWING NO.	31057XP0402	REVISION	0
-----------	------------------	-------------	--------------------	----------	----------

DATE:
May 14, 2011

CONNECTION DIAGRAM

CATALOG NO.:
XP0402



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