

DATE December 10, 2018
 Catalog No.: XPV1/54C

OUTLINE DIMENSIONS

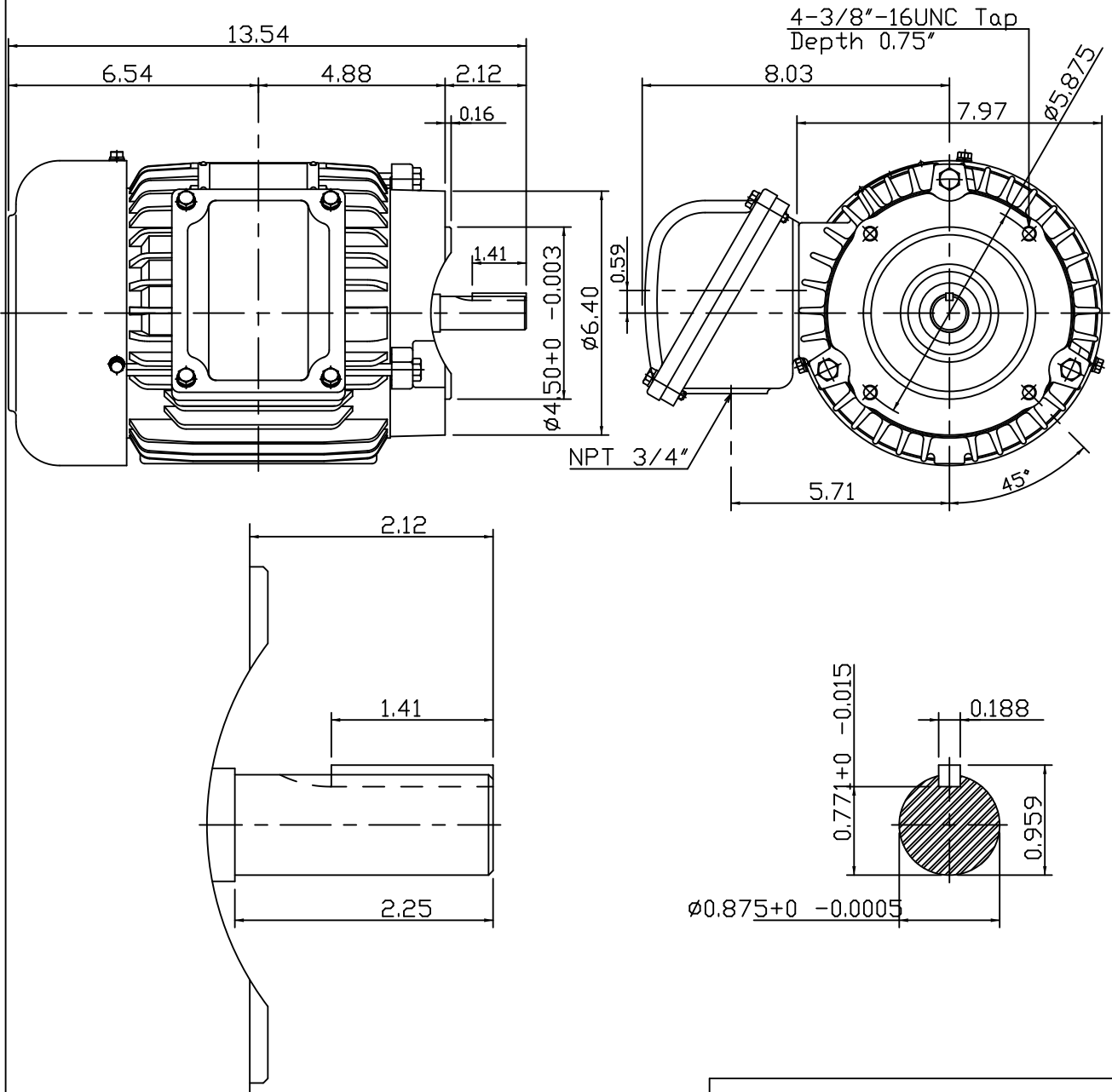
3-PHASE INDUCTION MOTOR

MOTOR TYPE: AEUHXG
 FRAME NO. 145TC

Pole	HP	kW	Hz	VOLT	r/min(rpm)
4	1.5	1.12	60	230/460	1800

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	245 LBS.	DE: 6205ZZ NDE: 6205ZZ

Totally Enclosed Fan-cooled Vertical Type, Squirrel-cage Rotor.



Note:

- Explosion Proof:
 Class I Group C,D and
 Class II Group E,F,G.



DWG.	江柏威	10 19 12
CHKD.	J.H.LIANG	10 22 12
APPD.	M.C.TSAI	10 22 12

TEC   Westinghouse

DWG NO.
 31049M021090

TECO Westinghouse

ISSUED December 10, 2018	PERFORMANCE DATA	ENCLOSURE EXPLOSION PROOF
TYPE AEUHXG	3-PHASE INDUCTION MOTOR	CATALOG# XPV1/54C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
1.5	1.1	4	145TC	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. %						
1730	84	86.5	87	85.5	75.5	67	53.5	1.0 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	
2.81	2.54	1.27	4.75	4.30	2.15	44.23	40.00	20.00	M

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
4.552	300	305	375	0.103	8.6	34.00	3.53	13.83

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	50
31	22	2	1	

APPROVED:	M. PRATER	DRAWING NO.	31057XPV1/54C	REVISION 0
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DATE:
June 28, 2005

CONNECTION DIAGRAM

CATALOG NO.:
XPV1/54C



SCHEMATIC - 2Y/Y CONNECTION

ACROSS THE LINE CONNECTION



**LINE
230 VOLT CONNECTION**



**LINE
460 VOLT CONNECTION**



DWG NO.
DAC-1566-2