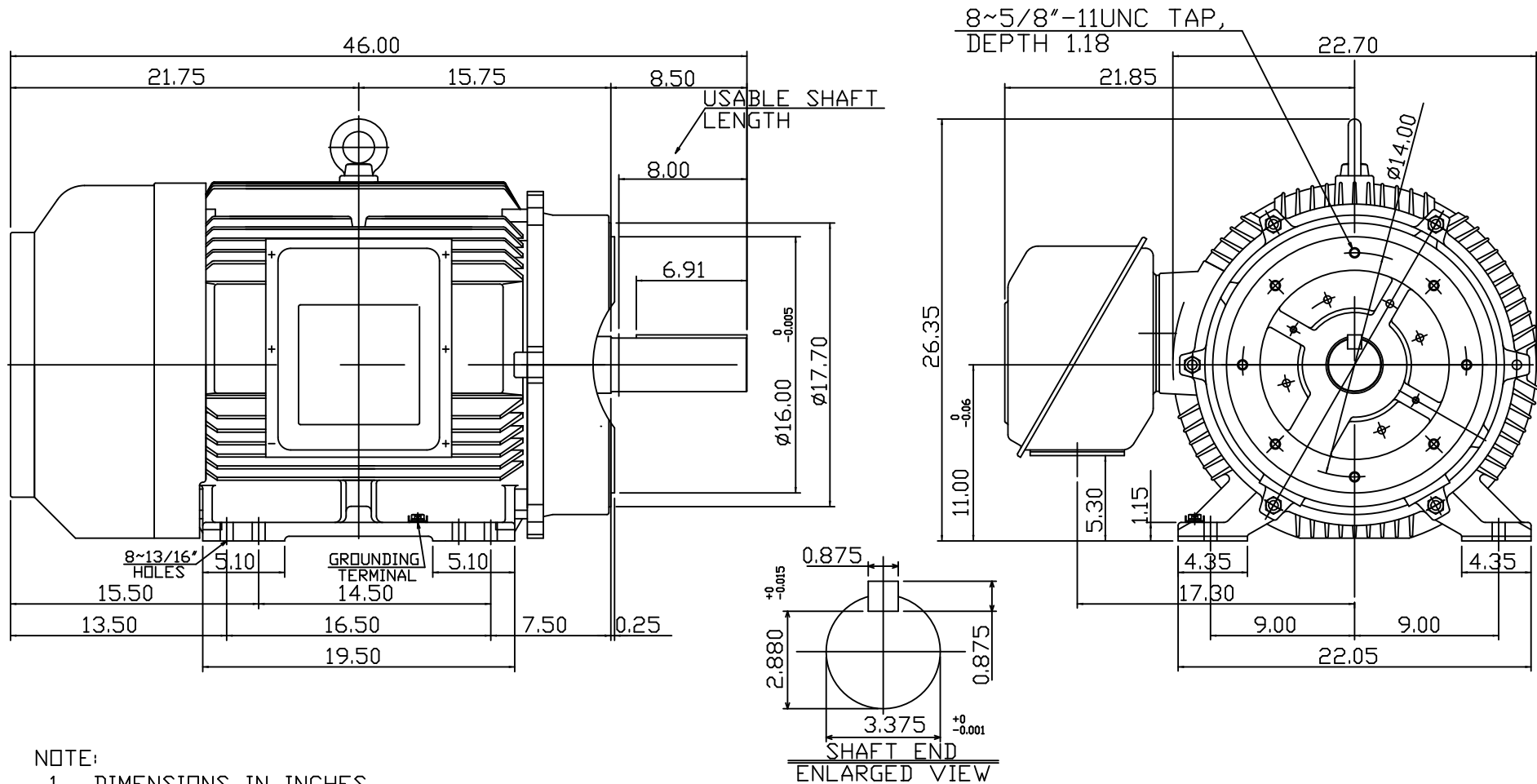


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN.SPEED R.P.M
	HP.	KW.					
AEHH8P	125	93.3	6	CONT.	230/460	60	1200

TOTALLY ENCLOSED FAN-COOLED TYPE. SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCHES
2. FRAME SIZE 445TC
3. F CLASS INSULATION, S.F. 1.15
4. FOR DIRECT FLEXIBLE COUPLING
5. BEARING NO.: DRIVE END: 6318C3
OPP. DRIVE END: 6316C3
6. ENCLOSURE: IP44
7. APPROX. WEIGHT: 1700 LBS

DATE JAN. 6, 2016		OUTLINE DIMENSIONS	
CATALOG #: NP1256C		3-PHASE INDUCTION MOTOR	
DWN. S.LEE JAN-26-2011		DWG NO. REV: 01	
CHKD. S.LEE JAN-26-2011		3A049DWB10464-26	
APPD. H.LIU JAN-26-2011		TEC Westinghouse	

TECO Westinghouse

ISSUED 8/29/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8PCF		CATALOG# NP1256C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
125	93.3	6	445TC	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	0.0156~125	60~1200	1.37~554	0.0515	0.0364	0.352	0.775	12.8

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	12.5~125	120~1200	554	60~90	125	1200-1800	554-369.33

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.%						
1185	94.1	95	94.5	93.6	83	80.5	74	77

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			
102.00	119.40	59.7	327.31	296.00	148.00	1641.4	1815.0	910	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
555.30	140	110	230	68	1452	3630	5.91	14.37	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057NP1256C	REVISION:	1
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DATE:
OCTOBER 30, 2014

CONNECTION DIAGRAM

CATALOG NO.:
NP1256C



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