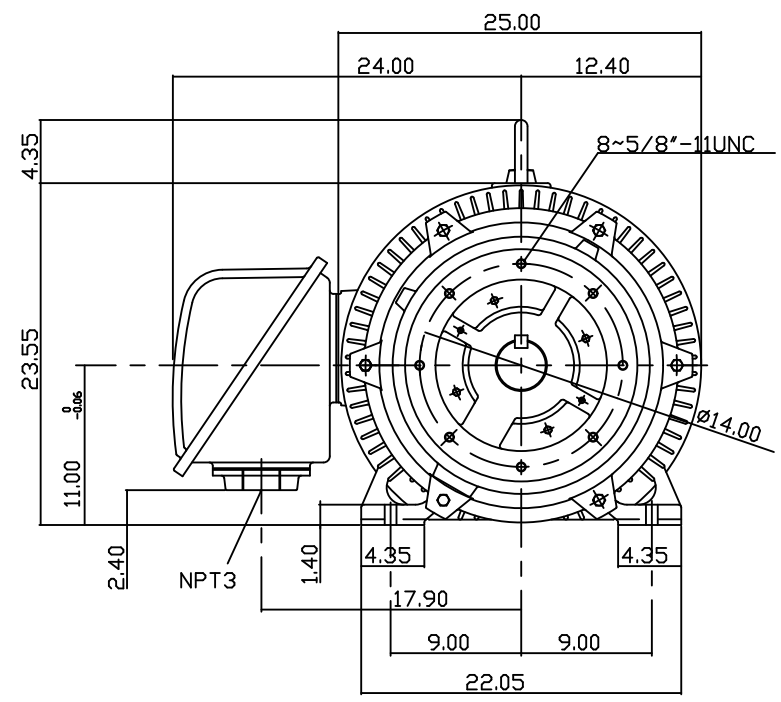
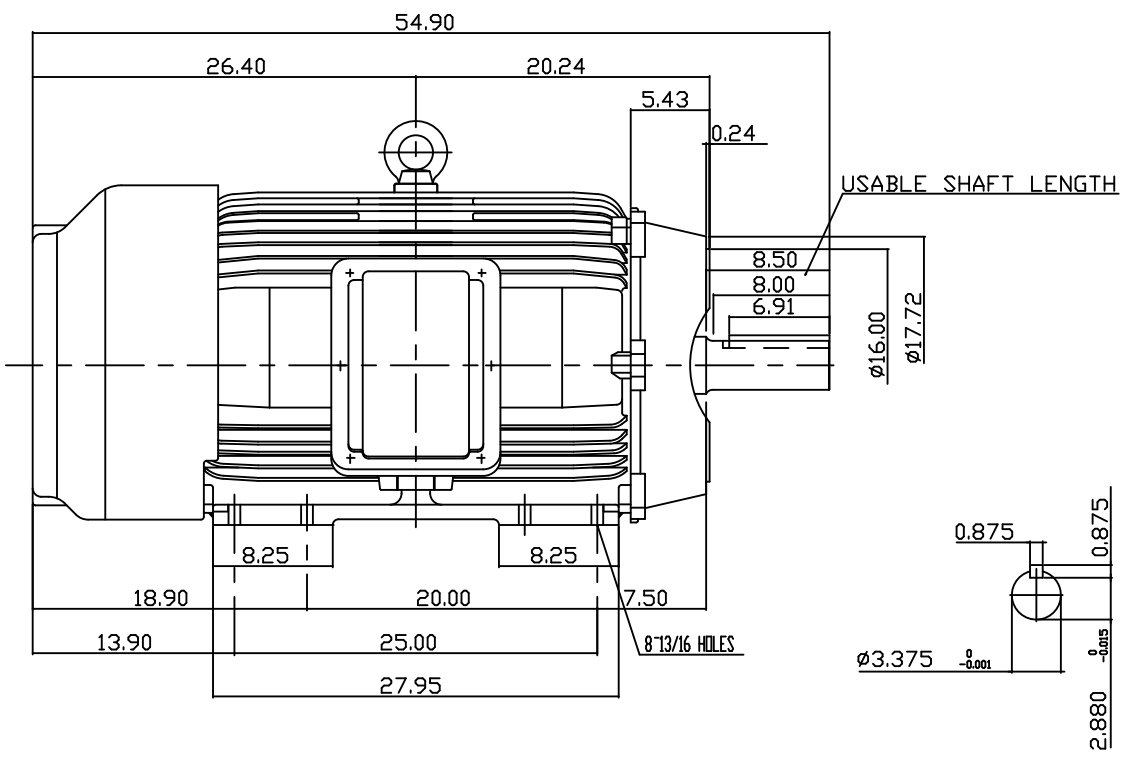


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN.SPEED R.P.M
	HP.	KW.					
AEHH8NCF	250	186.5	6	CONT.	460	60	1200

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



- NOTE:
1. DIMENSIONS IN INCH
 2. FRAME NO. 449TC
 3. F CLASS INSULATION, S.F.115
 4. FOR DIRECT FLEXIBLE COUPLING
 5. ENCLOSURE: IP54
 6. BEARING SIZE: DRIVE END: 6320
NON-DRIVE END: 6316
 7. APPROX. WEIGHT: 3450 LBS

TW-56C

DWN.	Y.ZHU	JAN '04 2006
CHKD.	H.HUANG	JAN '04 2006
APPD.	C.WANG	JAN '04 2006

DATE	06/21/2013	OUTLINE DIMENSIONS
CATALOG #:	EP2506C	3-PHASE INDUCTION MOTOR
TEC Westinghouse		DWG. NO. REV: 00
		3B040C733

TECO Westinghouse

ISSUED 8/15/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8N		CATALOG# EP2506C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
250	186.5	6	449TC	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	0.0313~250	60~1200	2.739~1104	0.0247	0.0204	0.188	0.447	7.7

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	25~250	120~1200	1104	60~90	250	1200~1800	1104~736

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.%						
1188	95	95.8	95.4	94.5	84.5	82	74.5	79

CURRENTS						NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD		FULL LOAD		LOCKED ROTOR			COLD	HOT
AT 460 VOLT		AT 460 VOLT		AT 460 VOLT				
76.9		289.00		1825		G	16	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
#####	110	90	210	140	2744	6860	6.36	15.45	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057EP2506C	REVISION:	1
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DATE:
December 2, 2012

CONNECTION DIAGRAM

CATALOG NO.:
EP2506C



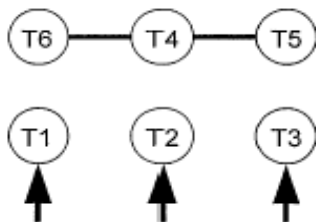
SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION

WYE START-DELTA RUN CONNECTION



**LINE
460 VOLT START**



**LINE
460 VOLT RUN**