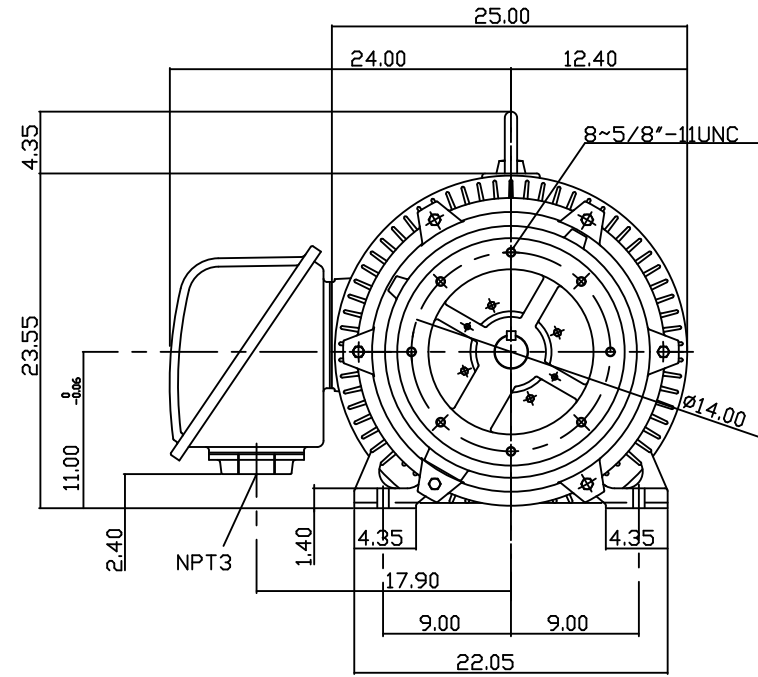
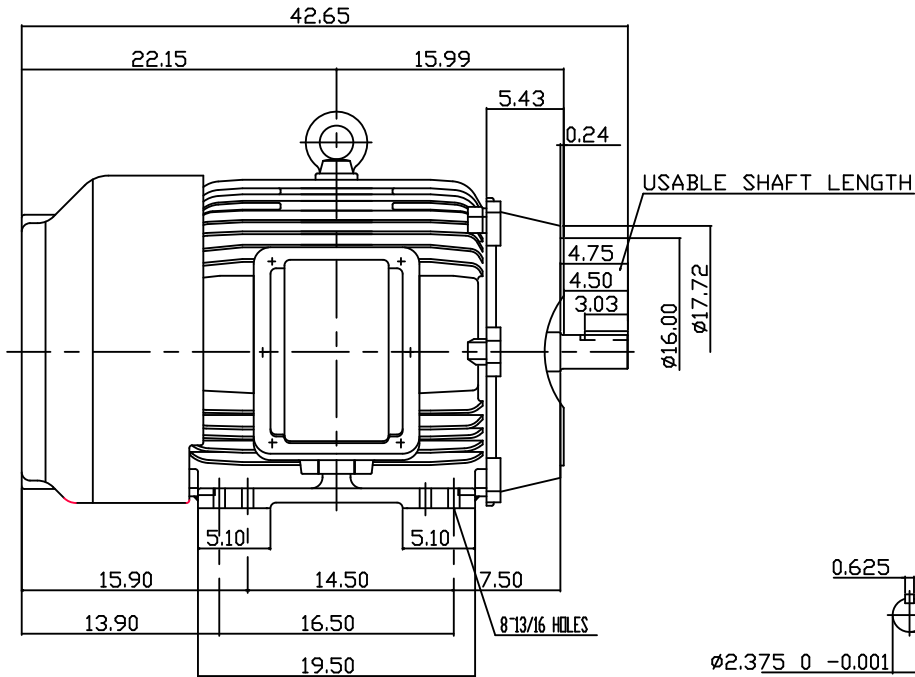


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN.SPEED R.P.M
	HP.	kW.					
AEHH8NCF	150	111.9	2	CONT.	460	60	3600

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 445TSC
3. F CLASS INSULATION, S.F.1.15
4. FOR DIRECT FLEXIBLE COUPLING
5. ENCLOSURE: IP54
6. BEARING SIZE: DRIVE END: 6314C3
NON-DRIVE END: 6314C3
7. APPROX. WEIGHT: 1550 LBS

TW-56C

DATE	July 31, 2013	OUTLINE DIMENSIONS
CATALOG #	EP1502C	3-PHASE INDUCTION MOTOR
DWG NO.	REV: 00	
TECO Westinghouse		3B040C721

DWN.	Y.ZHU	JAN '06 2006
CHKD.	H.HUANG	JAN '06 2006
APPD.	C.WANG	JAN '06 2006

TECO Westinghouse

ISSUED 8/15/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8N		CATALOG# EP1502C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
150	111.9	2	445TSC	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	0.0188~150	180~3600	0.548~220	0.0362	0.029	0.306	0.567	15.5

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	15~150	360~3600	220	60	150	3600	220

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.%						
3566	94.1	95	94.5	93.6	87	84.5	81	83

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			
42	170.00	1085	G	28	19

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
220.00	110	88	220	20	133	133	4.93	4.93	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057EP1502C	REVISION:	1
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DATE:
December 2, 2012

CONNECTION DIAGRAM

CATALOG NO.:
EP1502C



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION

WYE START-DELTA RUN CONNECTION



**LINE
460 VOLT START**



**LINE
460 VOLT RUN**