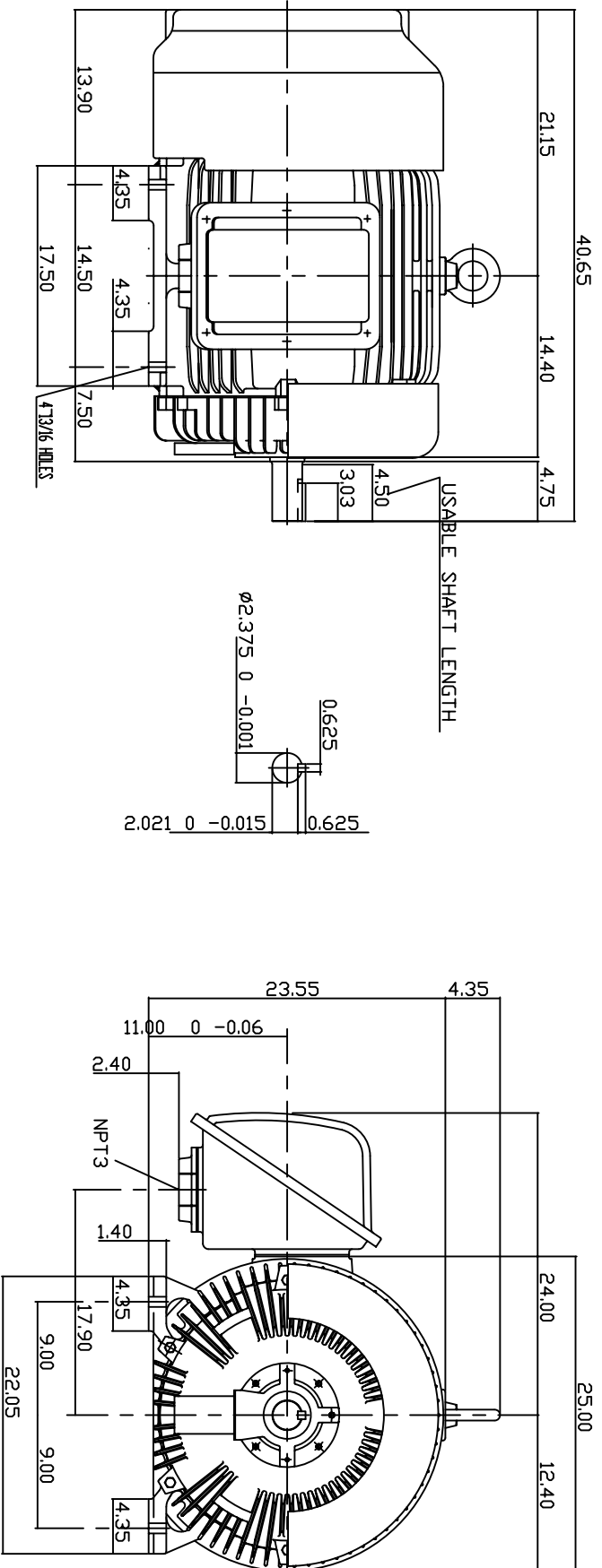


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN SPEED R.P.M
	HP.	KW.					
AEH8N	125	93.3	4	CONT.	230/460	60	1800

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 444TS
3. F CLASS INSULATION, S.F.1.15
4. FOR DIRECT FLEXIBLE COUPLING
5. ENCLOSURE: IP54
6. BEARING SIZE: DRIVE END: 6318
NON-DRIVE END: 6316
7. APPROX. WEIGHT: 1520 LBS

TW-56C

DWN.	T.H.Pan	DATE
CHKD.	H.HUANG	FEB 16 2005
APPD.	C.WANG	FEB 16 2005

DATE Feb. 16, 2007
CAT. # EP1254S

OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR



DWG NO. 3A040Y683A
REV. 00

TECO Westinghouse

ISSUED 8/15/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8N		CATALOG# EP1254S

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
125	93.3	4	444TS	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	90~1800	0.91~368	0.0454	0.0373	0.3807	0.683	15.6

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	12.5~125	180~1800	368	60~90	125	1800-2700	368~245.33

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.%						
1780	94.5	95.4	95	94.1	85	83	77	81

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			
67.50	75.80	37.9	319.00	292.00	144.00	1641.4	1815.0	910	G	24	17

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
368.70	130	100	220	44.3	542	1084	5.41	10.40	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057EP1254	REVISION:	1
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DATE:
February 15, 2007

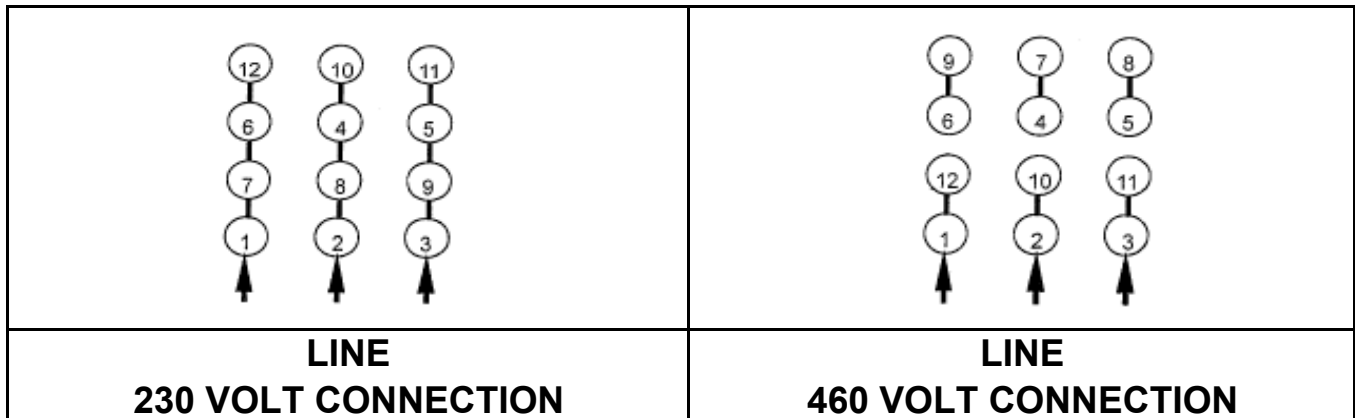
CONNECTION DIAGRAM

CATALOG NO.:
EP1254S



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



WYE START-DELTA RUN CONNECTION

