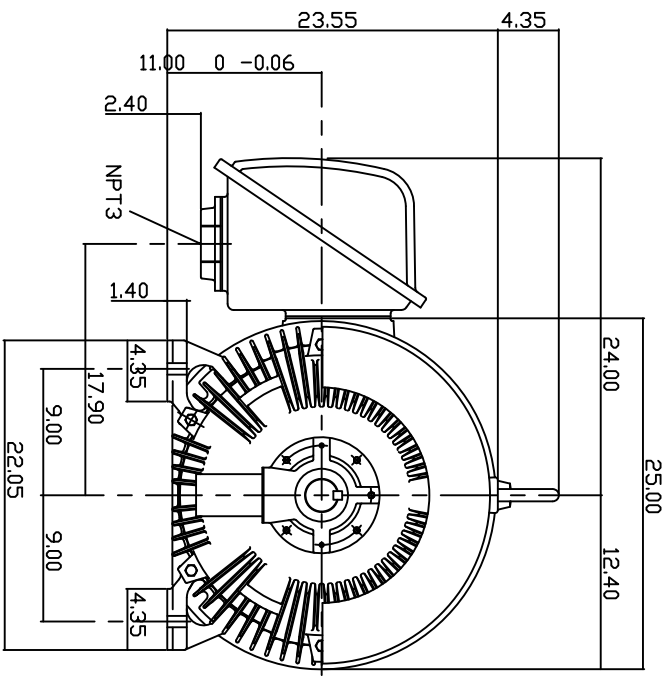
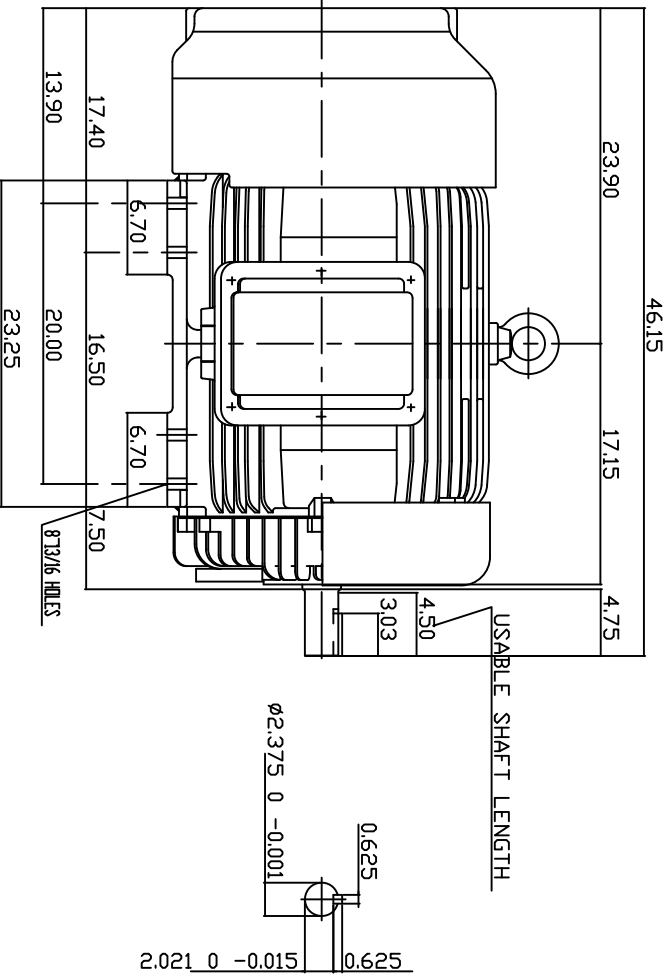


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYNSPEED R.P.M
	HP.	KW.					
AEH8N	200	149.2	4	CONT.	460	60	1800

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 447TS
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: 2300 LBS

TV-56C

DWN.	T.H.Pan	FEB-17 2005
CHKD.	H.HUANG	FEB-17 2005
APPD.	C.WANG	FEB-17 2005

Feb. 16, 2007

CAT # EP2004S

3-PHASE INDUCTION MOTOR

Feb. 16, 2007

Westinghouse

DWG NO. 3A040Y685A

REV: 00

TECO Westinghouse

ISSUED 8/15/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8N		CATALOG# EP2004S

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
200	149.2	4	447TS	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	0.025~200	90~1800	1.458~588	0.0248	0.0232	0.219	0.442	10.3

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	20~200	180~1800	588	60~90	200	1800~2700	588~392

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.%						
1786	95.4	96.2	95.8	95	87	83.5	78.5	81

CURRENTS				NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS			
NO LOAD		FULL LOAD			LOCKED ROTOR			
AT 460 VOLT		AT 460 VOLT			AT 460 VOLT			
46.4		224.00		1450		G	19	13

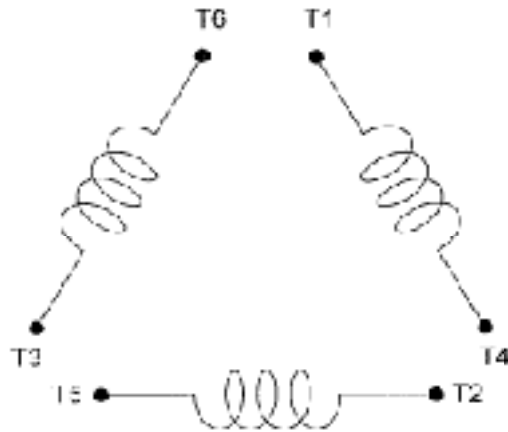
TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
588.00	120	95	210	73.5	831	1662	5.52	10.59	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057EP2004	REVISION:	1
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DATE:
February 15, 2007

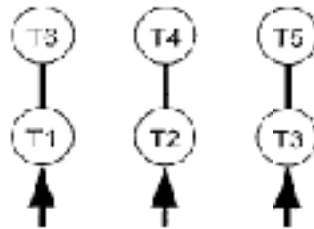
CONNECTION DIAGRAM

CATALOG NO.:
EP2004S



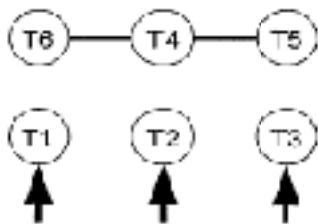
SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION

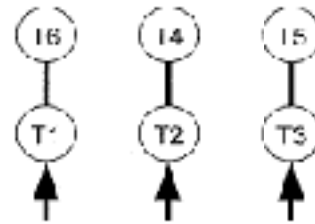


460 VOLT CONNECTION

WYE START-DELTA RUN CONNECTION



**LINE
460 VOLT START**



**LINE
460 VOLT RUN**