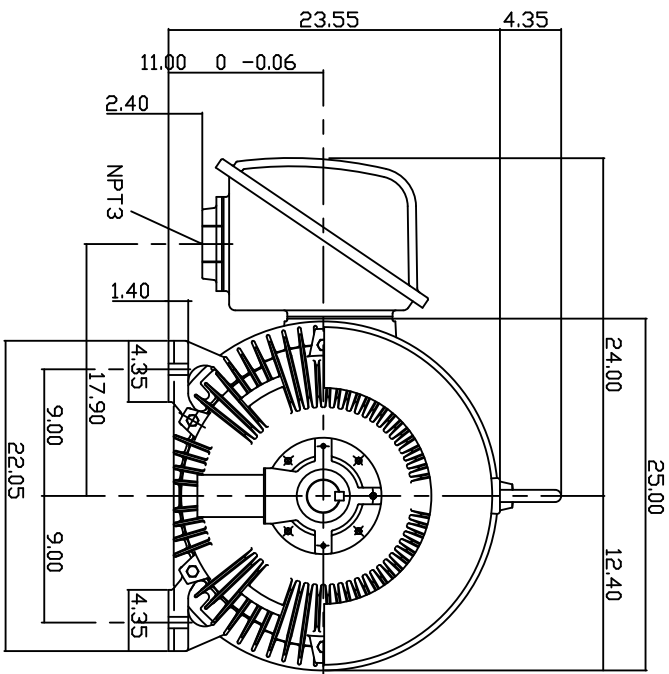
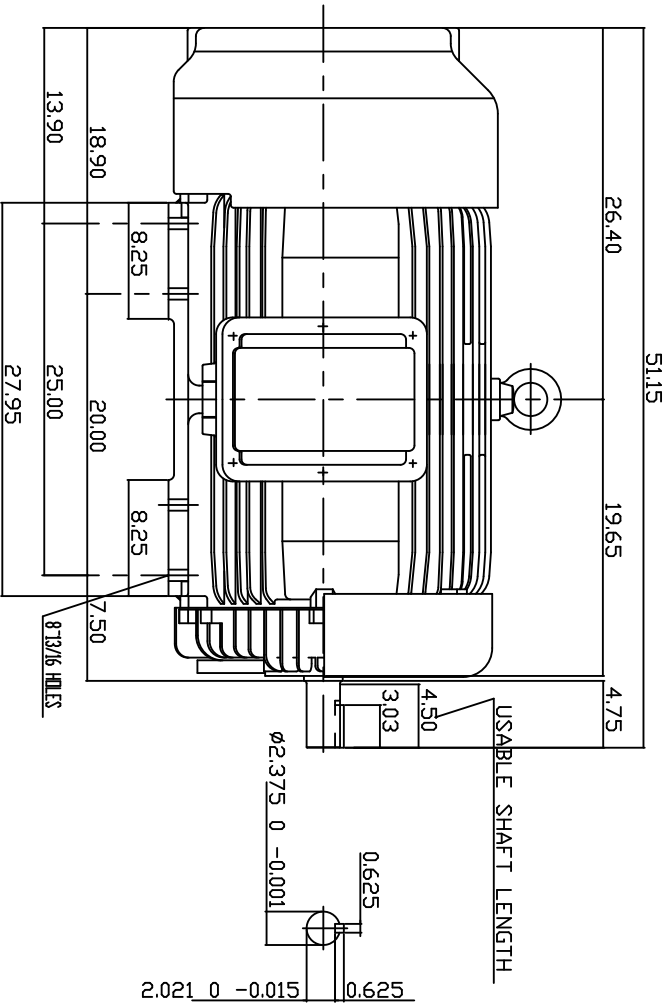


TYPE	OUTPUT HP.	OUTPUT KW.	POLE	TIME RATING CNT.	VOLTAGE V	Hz	SYN SPEED R.P.M
AEHH8N	250	186.5	2		575	60	3600

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 449TS
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: 3100 LBS

TW-56C

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

DATE 20050616
 CATALOG # EP25025
 OUTLINE DIMENSIONS
 3-PHASE INDUCTION MOTOR

TEC Westinghouse
 DWG NO. 3A040Y686
 REV. 00

TECO Westinghouse

ISSUED 1/12/2017	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8N		CATALOG# EP25025

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
250	186.5	2	449TS	575	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	180~3600	0.913~366	0.0155	0.014	0.149	0.3	10.2

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	25~250	360~3600	366	60	250	3600	366

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.%						
3583	95	95.8	95.4	94.5	88	85.5	82	83

CURRENTS			NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD		FULL LOAD		LOCKED ROTOR	
AT 575 VOLT		AT 575 VOLT		AT 575 VOLT	
37.4		222.1	G	25	17

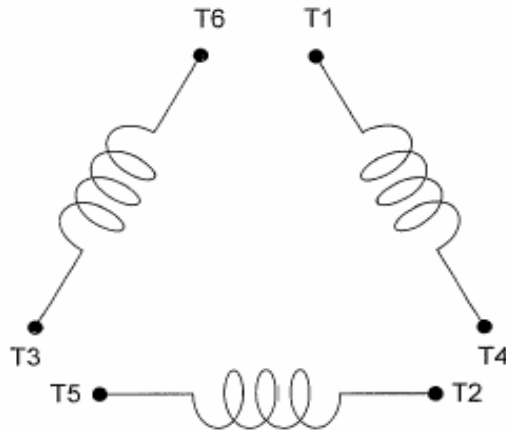
TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
366.00	103	83	210	44	210	210	5.18	8.50	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057EP2502	REVISION:	0
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DATE:
June 8, 2009

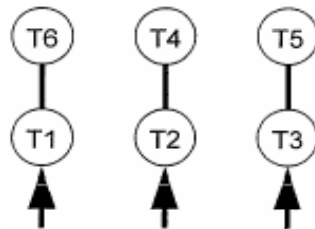
CONNECTION DIAGRAM

CATALOG NO.:
EP250245



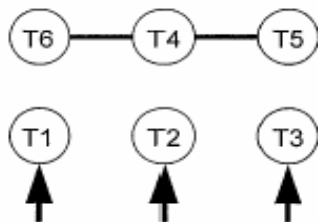
SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION

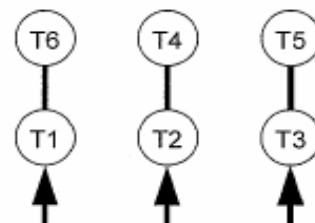


575 VOLT CONNECTION

WYE START-DELTA RUN CONNECTION



**LINE
575 VOLT START**



**LINE
575 VOLT RUN**