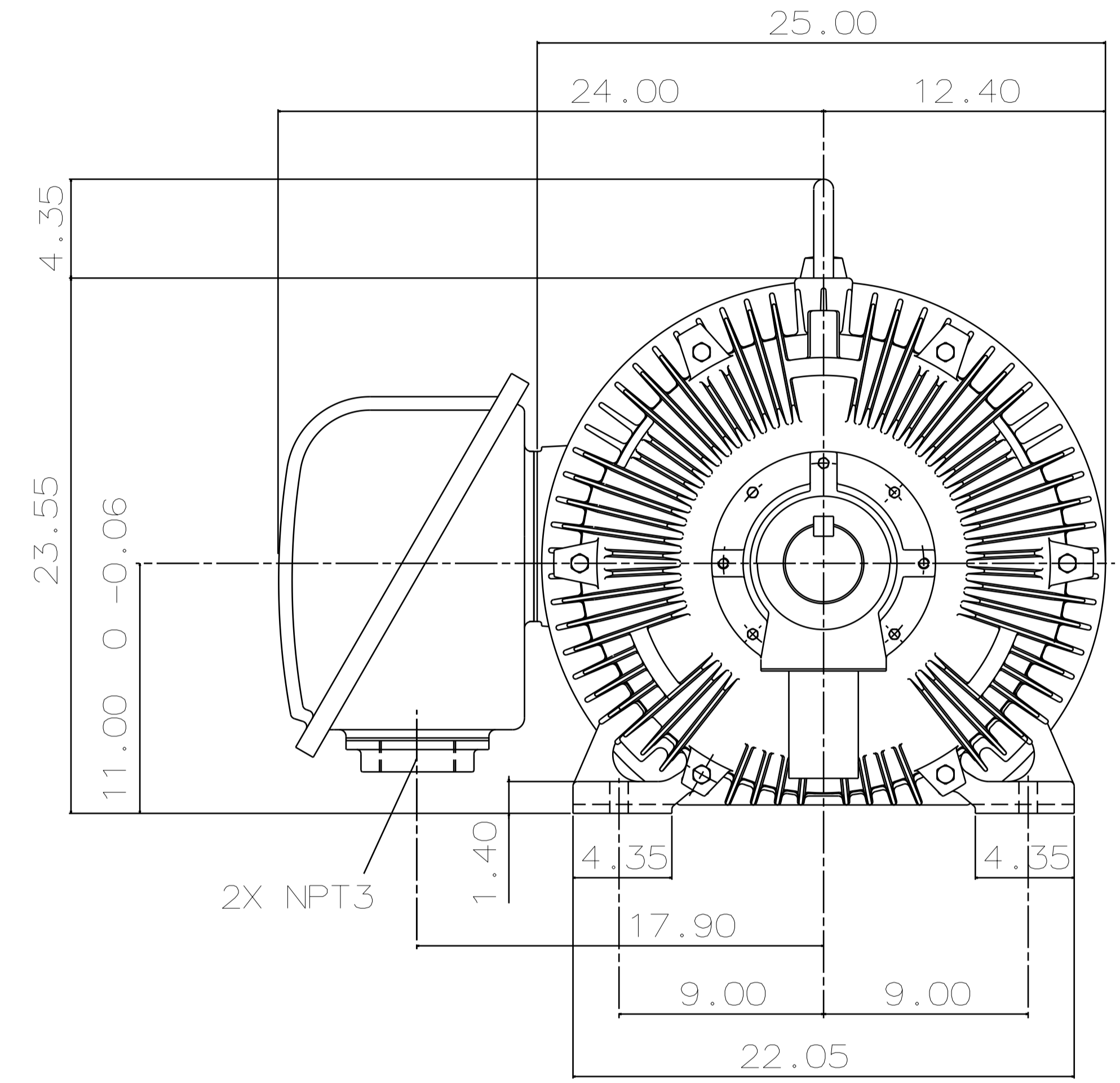
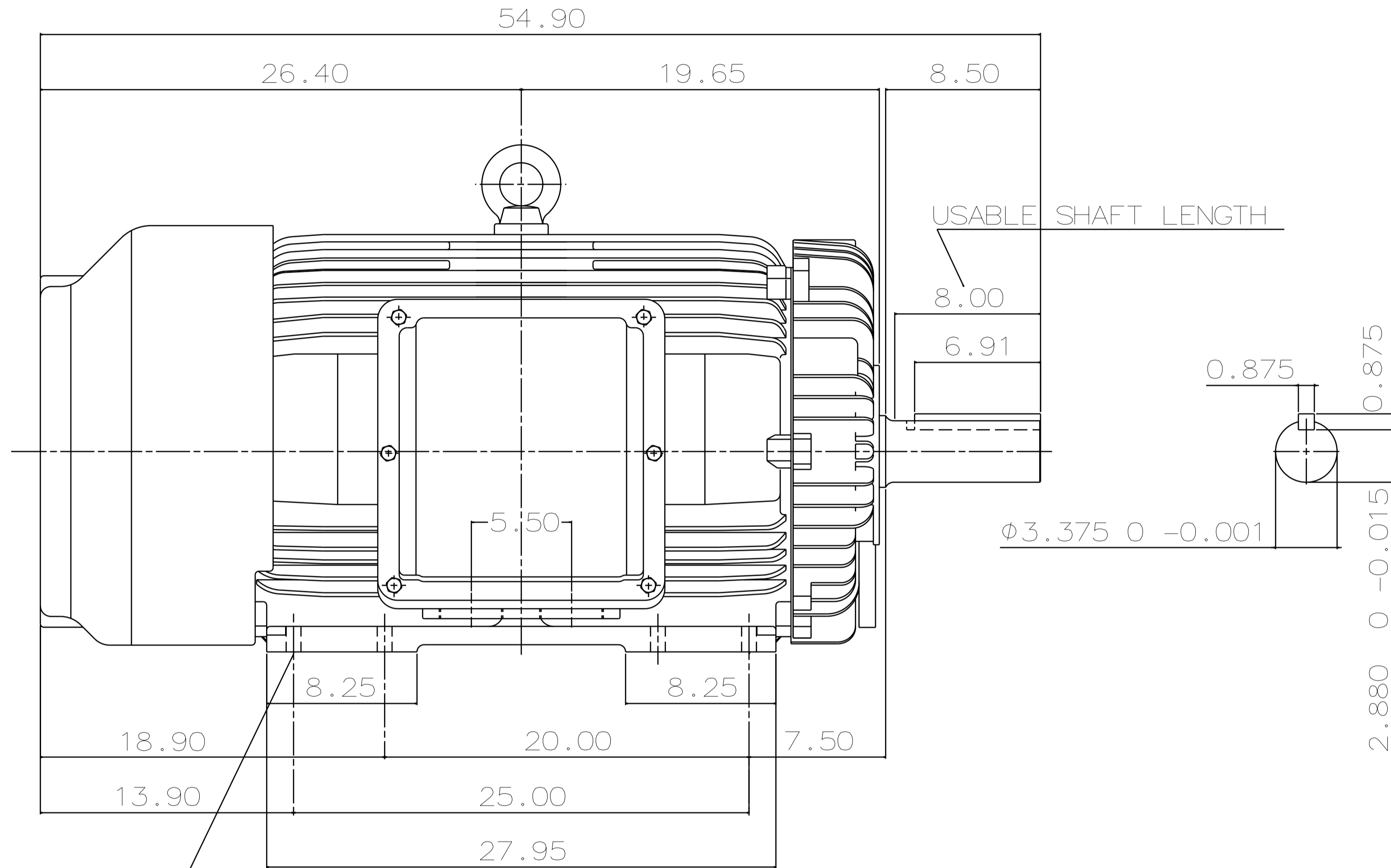


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN. SPEED R.P.M
	HP.	kW.					
AEHH8B	150	112	8	CONT.	460	60	900

TOTALLY ENCLOSED FAN-COOLED TYPE. SQUIRREL-CAGE ROTOR



8X $\phi 13/16$ HOLES

NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 449T
3. F CLASS INSULATION, S.F.1.15
4. FOR DIRECT FLEXIBLE COUPLING
5. ENCLOSURE: IP55
6. BEARING SIZE: DRIVE END: 6320C3
NON-DRIVE END: 6316C3
7. APPROX. WEIGHT: 2134 LBS
8. INPRO SEAL ON BOTH ENDS.
9. NON-SPARKING FAN.
10. NOISE BELOW 83 DBA AT 1 METER AT NO LOAD.
11. VIBRATION VERTICAL/HORIZONTAL BELOW 0.08 IN/SEC
AXIAL BELOW 0.06 IN/SEC.

TW-56BC

DATE	12-12-17	OUTLINE DIMENSIONS
CATALOG #	#HB1508	3-PHASE INDUCTION MOTOR

TECO Westinghouse

DWG NO. 3A040Y702
REV: 02

DWN.	T.H.Pan	FEB •18 •2005
CHKD.	H.HUANG	FEB •18 •2005
APPD.	C.WANG	FEB •18 •2005

TECO Westinghouse

ISSUED 8/28/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8B		CATALOG# HB1508

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
150	111.9	8	449T	460	60	50°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	45-900	2.21-887	0.0598	0.0456	0.4404	0.8292	3.6785

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6-60	15-150	90-900	887	60-75	150	900-1125	887-710

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.%						
888	92.9	93.6	93.4	92.1	80.0	77.0	69.0	74

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	
72.2		188	G	27	18

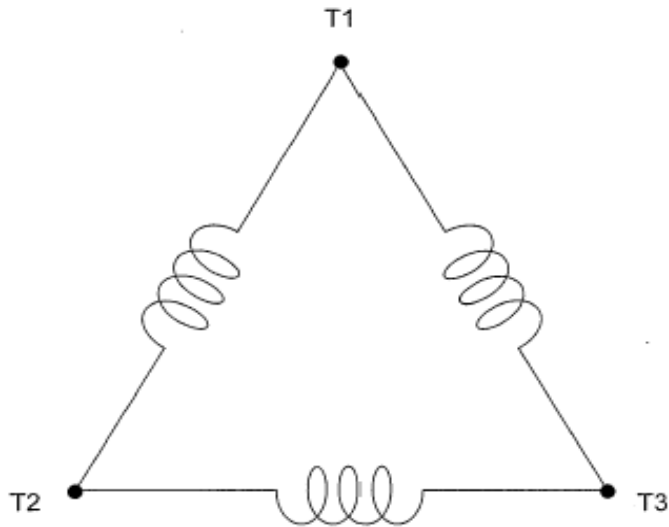
TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² (lb-ft ²)	NEMA LOAD WK ² (lb-ft ²)	MAX ALLOWABLE WK ² (lb-ft ²)	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec	COLD	HOT
887	150	125	200	166	3456	8640	7.06	17.17	2	1

APPROVED:	M. PRATER	DRAWING NO.	3A057HB1508	REVISION:	0
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DATE:
March 13, 2012

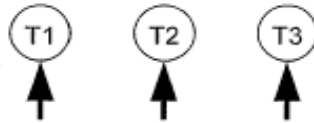
CONNECTION DIAGRAM

CATALOG NO.:
HB1508



SCHEMATIC - Δ CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION