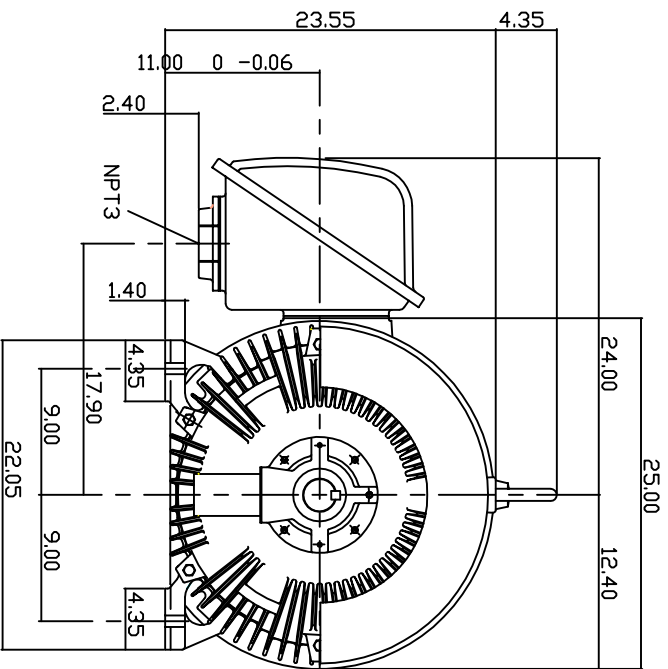
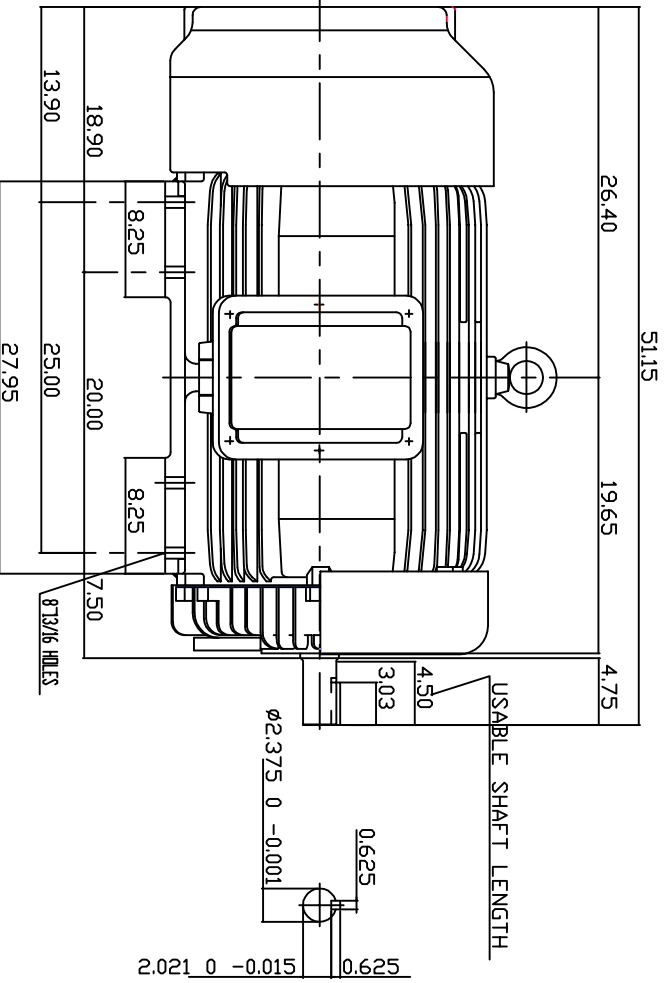


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE	Hz	SYN SPEED R.P.M
	HP.	KW.					
AEHH	250	186.5	2	CDNT.	460	60	3600

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 449TS
3. F CLASS INSULATION, S.F.115
4. FOR DIRECT FLEXIBLE COUPLING
5. ENCLOSURE: IP55
6. BEARING SIZE: DRIVE END: 6314C3
NON-DRIVE END: 6314C3
7. APPROX. WEIGHT: 2550 LBS
8. NON-SPARKING FAN.
9. NOISE: BELOW 83 DBA AT 1 METER, NO LOAD.

TV-56C

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

DATE	06-20-05	OUTLINE DIMENSIONS
CATALOG #	HH2502	3-PHASE INDUCTION MOTOR

Westinghouse
Dwg No. 3A040Y703
REV: 00

TECO Westinghouse

ISSUED 8/29/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH		CATALOG# HH2502

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
250	187	2	449TS	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	0.0313~250	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.%						
3575	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		COLD	HOT
AT 460 VOLT	AT 460 VOLT	AT 460 VOLT			
46.8	272.00	1825	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
367.20	103	83	210	44	210	210	5.15	5.15	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057HH2502	REVISION:	1
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DATE:
May 9, 2005

CONNECTION DIAGRAM

CATALOG NO.:
HH2502



SCHEMATIC - Δ CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION