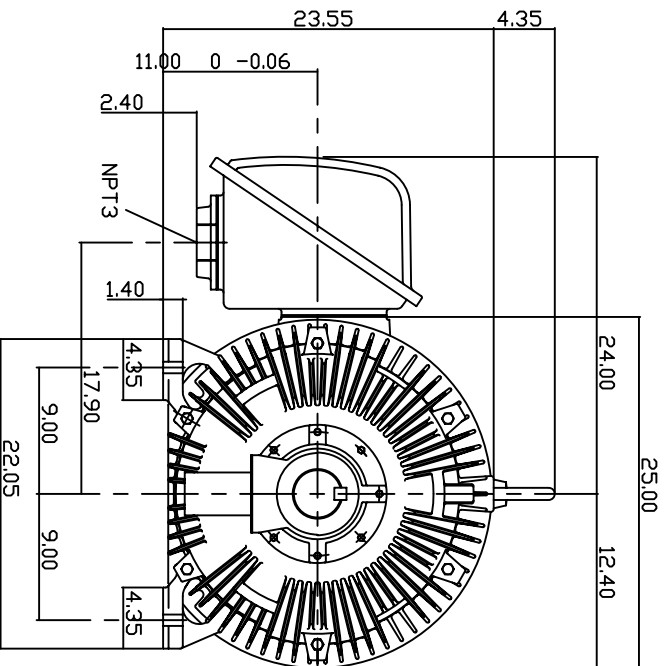
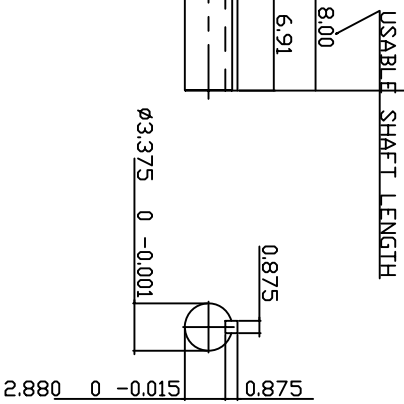
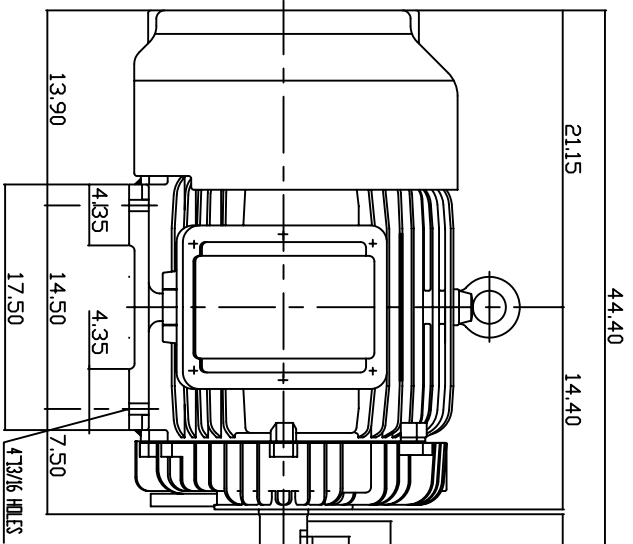


TYPE	OUTPUT		POLE	RATING	VOLTAGE	Hz	SYNSPEED R.P.M
	HP.	KW.					
AEHH	100	74.6	6	CDNT.	460	60	1200

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 444T
3. F CLASS INSULATION, S.F.1.15
4. FOR DIRECT FLEXIBLE COUPLING
5. ENCLOSURE: IP55
6. BEARING SIZE: DRIVE END: 6318C3
NON-DRIVE END: 6316C3
7. APPROX. WEIGHT: 1650 LBS
8. NON-SPARKING FAN.
9. NOISE: BELOW 83 DBA AT 1 METER, NO LOAD.

TW-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 #	HH1006	3-PHASE INDUCTION MOTOR

Westinghouse
Dwg No. 3A040Y696
REV: 00

TECO Westinghouse

ISSUED 8/29/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH		CATALOG# HH1006

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
100	74.6	6	444T	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	0.0125~100	60~1200	1.09~444	0.0778	0.0497	0.5102	0.978	16.2

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	10~100	118~1200	444	60~90	100	1200-1800	444~296

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.%						
1182	94.1	95	94.5	93.6	82.5	80	73	77

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				
48	119.00	725	G	21	15	

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
444.00	140	110	230	56	1181	2953	6.00	14.58	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057HH1006	REVISION:	1
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DATE:
May 9, 2005

CONNECTION DIAGRAM

CATALOG NO.:
HH1006



SCHEMATIC - Δ CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION