

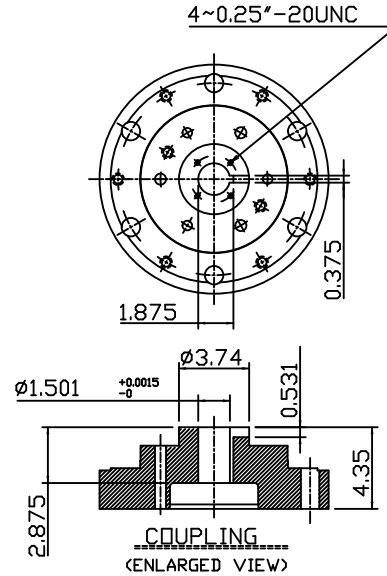
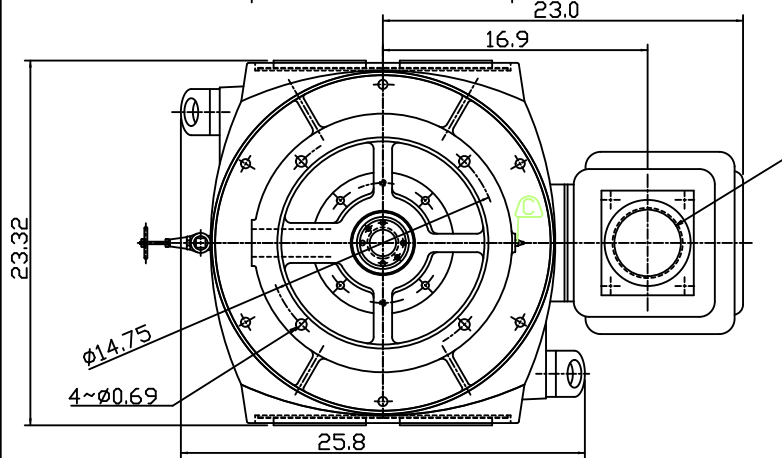
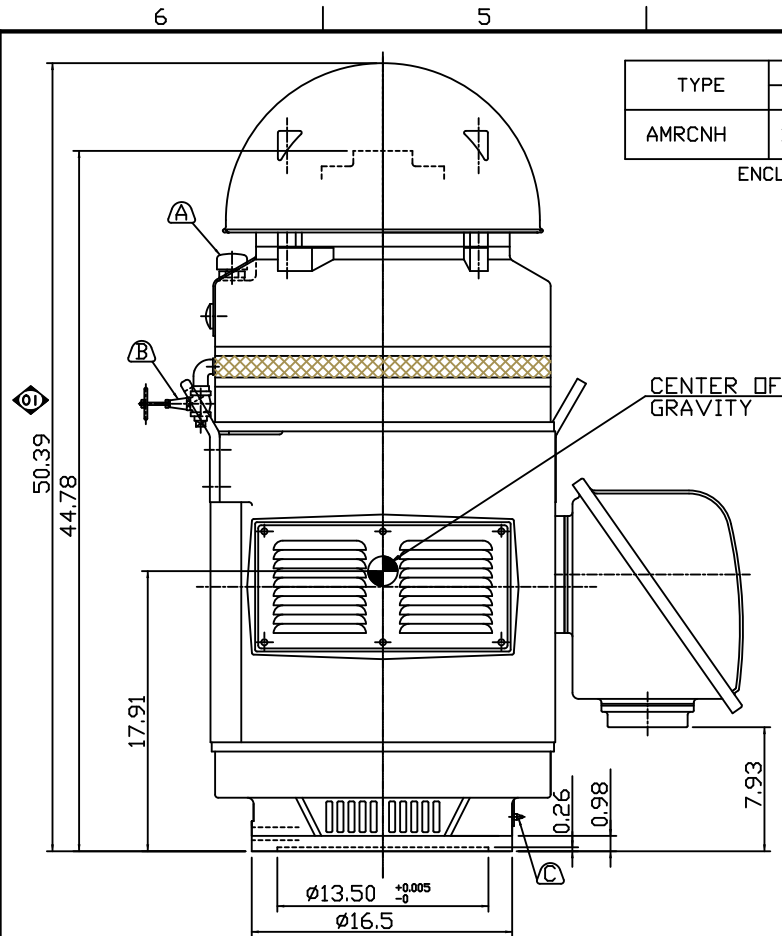
TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN.SPEED R.P.M
	HP.	kW.					
AMRCNH	150	111	4	CONT	460	60	1800

ENCLOSED VENTILATED VERTICAL HOLLOW SHAFT TYPE, SQUIRREL CAGE ROTOR
NEMA WEATHER PROTECTED TYPE I

NOTE:

1. DIMENSIONS IN INCHES.
2. FRAME NO.444TP.
3. F CLASS INSULATION, S.F. 1.15.
4. FOR DIRECT FLEXIBLE COUPLING.
5. BEARING SIZE:
UPPER BEARING: 7324B [UNINSULATED]
LOWER BEARING: 6316C3 [UNINSULATED]
6. LUBRICATION:
UPPER BEARING USE OIL.
OIL VISCOSITY: ISO VG68[300 SSU/100°F]
OIL QUANTITY: 3.5GAL.
LOWER BEARING USE ESSD POLYREX GREASE.
7. THRUST CAPACITY:
MAX. ALLOWABLE CONT. DOWNTHRUST: 10,000 LBS.
MAX. ALLOWABLE MOMENTARY UPTHRUST: 3,000LBS.
BEARING LIFE: B10/8800 HRS.
8. ROTATION: COUNTER-CLOCKWISE(VIEWED FROM TOP).
9. WITH NON-REVERSE RATCHET MECHANISM.
10. WITH GIB KEY:0.375×0.375×2.875,1PCS
11. NOISE:BELOW 85dBA AT 1 METER DISTANCE NO LOAD.
12. NATURAL REED FREQUENCY: 42HZ.
ABOVE CALCULATION IS CONSIDERING MOTOR AND FOR REFERENCE ONLY.
THE WHOLE PUMPING SYSTEM ANALYSIS SHALL BE PERFORMED BY THE PUMP MANUFACTURER.
13. MOTOR APPROX. WEIGHT: 1530 LBS.

- (A) OIL FILLER [UPPER BEARING]
- (B) OIL DRAIN [UPPER BEARING]
- (C) GREASE INLET NIPPLE [LOWER BEARING]



DATE Jan. 14, 2011		OUTLINE DIMENSIONS	
CAT. #: VHP1504		3-PHASE INDUCTION MOTOR	
DWN. S.WANG NOV. 10.2008	CHKD. S.WANG NOV. 10.2008	TEC Westinghouse	DWG NO. REV:01
APPD. C.WANG NOV. 12.2008			3B040T441A

TECO Westinghouse

ISSUED January 15, 2015	PERFORMANCE DATA	ENCLOSURE WP1
TYPE AMRCNH	3-PHASE INDUCTION MOTOR	CATALOG# VHP1504

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
150	111.9	4	444TP	460	60	40°C	F	B	CONT.	1.15

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			MAXIMUM POWER FACTOR CORRECTION
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	F. L. %	3/4 LOAD	1/2 LOAD %	
	MIN. %	NOM. %						
1779	95.0	95.8	95.3	94.4	86.0	83.0	78.5	40.5 KVAR

CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
			AT 460 VOLT	AT 230 VOLT	AT 460 VOLT				
			50.80	340.0	170.0				

TORQUE

INERTIA

ACCEL TIME

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
442.00	135	114	210	46.00	640	1280	5.38	10.40

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

DOWNTHRUST L10:8800 HOURS

COLD
17

HOT
12

COLD
2

HOT
1

75.0

10700

APPROVED:

M. PRATER

DRAWING NO.

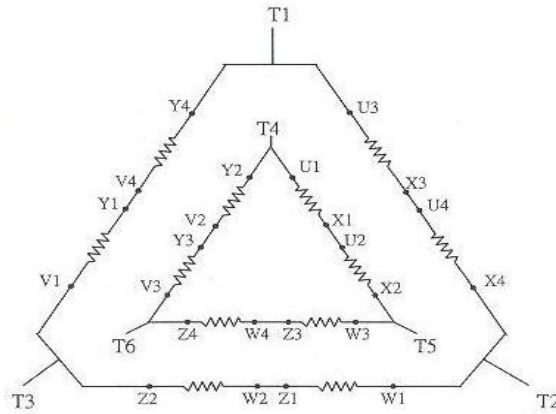
31057VHP1504

REVISION **0**

DATE:
January 14, 2009

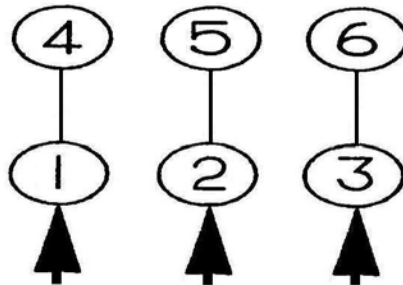
CONNECTION DIAGRAM

CATALOG NO.:



SCHEMATIC - 2Δ / Δ CONNECTION

ACROSS THE LINE OR VFD CONNECTION



LINE

460 VOLT CONNECTION

460 VOLT PART WINDING START CONNECTION

