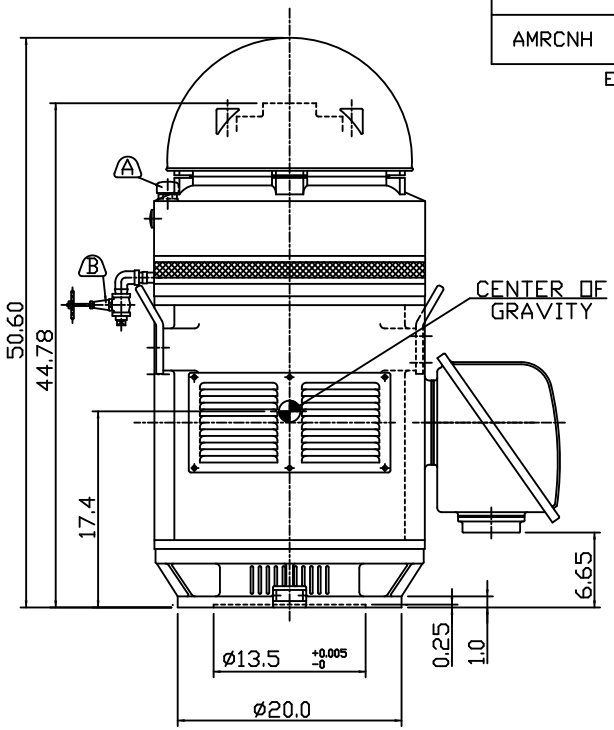
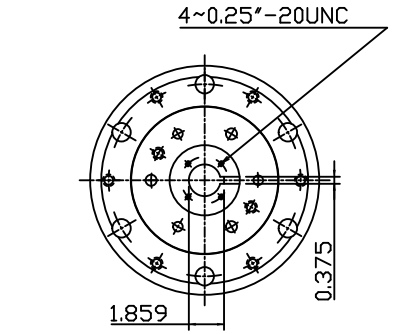
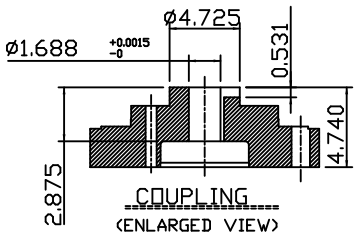
TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN.SPEED R.P.M
	HP.	kW.					
AMRCNH	250	187	4	CONT	460	60	1800

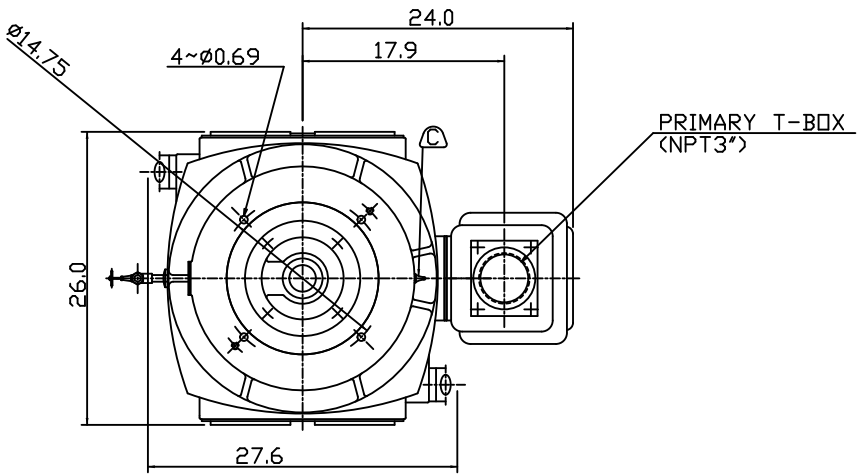
ENCLOSED VENTILATED VERTICAL HOLLOW SHAFT TYPE, SQUIRREL CAGE ROTOR
NEMA WEATHER PROTECTED TYPE I







NOTE:
1. DIMENSIONS IN INCHES.
2. FRAME NO.445TP20.
3. F CLASS INSULATION.
4. FOR DIRECT FLEXIBLE COUPLING.
5. BEARING SIZE:
   UPPER BEARING: 7326B [UNINSULATED]
   LOWER BEARING: 6318C3 [UNINSULATED]
6. LUBRICATION:
   UPPER BEARING USE OIL.
   OIL VISCOSITY: ISO VG68[300 SSU/100°F]
   OIL QUANTITY: 6.6GAL.
   LOWER BEARING USE ESSO POLYREX EM GREASE.
7. THRUST CAPACITY:
   MAX. ALLOWABLE CONT. DOWNTHRUST: 13400 LBS.
   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. NATURAL REED FREQUENCY: 47HZ.
    ABOVE CALCULATION IS CONSIDERING MOTOR AND FOR REFERENCE ONLY.
    THE WHOLE PUMPING SYSTEM ANALYSIS SHALL BE PERFORMED BY THE PUMP MANUFACTURER.
12. MOTOR APPROX. WEIGHT: 1940LBS.



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

DWN.	S.WANG	FEB·25·2009
CHKD.	S.WANG	FEB·25·2009
APPD.	C.WANG	FEB·26·2009

DATE MARCH 6, 2012
CAT. #: VHP2504

OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

TECO Westinghouse

DWG NO. 3B040T894 REV:00

TECO Westinghouse

ISSUED		ENCLOSURE
January 15, 2015	**PERFORMANCE DATA**	WP1
TYPE	**3-PHASE INDUCTION MOTOR**	CATALOG#
AMRCNH		VHP2504

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
250	186.5	4	445TP20	230/460	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. %	%	%	%	%	%	
1782	95.0	95.8	95.4	94.5	86.5	83.0	80.0	70.4 KVAR

CURRENTS									NEMA KVA CODE LETTER
NO LOAD				FULL LOAD		LOCKED ROTOR			
	AT 230 VOLT		AT 460 VOLT		AT 230 VOLT	AT 460 VOLT		AT 230 VOLT	AT 460 VOLT	
	-		88.40		566.0	283.0		-	1825.0	G

TORQUE				INERTIA			ACCEL TIME	
FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR^2 $lb\text{-}ft^2$	NEMA LOAD WK^2 $lb\text{-}ft^2$	MAX ALLOWABLE WK^2 $lb\text{-}ft^2$	NEMA LOAD WK^2 Sec	MAX ALLOWABLE WK^2 Sec
735.00	125	105	205	65.00	1017	2034	5.30	10.27

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)	DOWNTHRUST L10:8800 HOURS
COLD	HOT	COLD	HOT		
18	12	2	1	76.0	13400

APPROVED:	M. PRATER	DRAWING NO.	31057VHP2504	REVISION

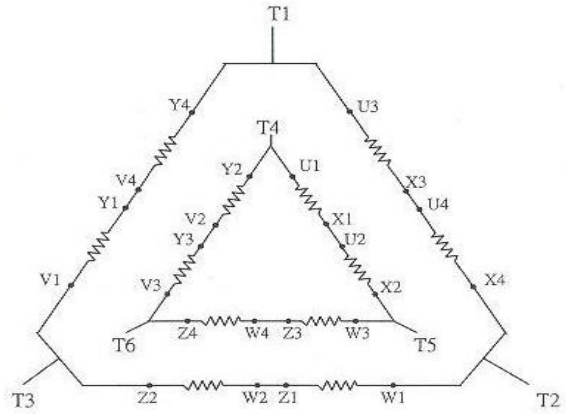
R

R

E

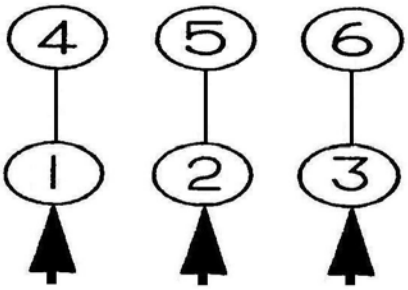
0

DATE: **January 14, 2009**	**CONNECTION DIAGRAM**	CATALOG NO.:



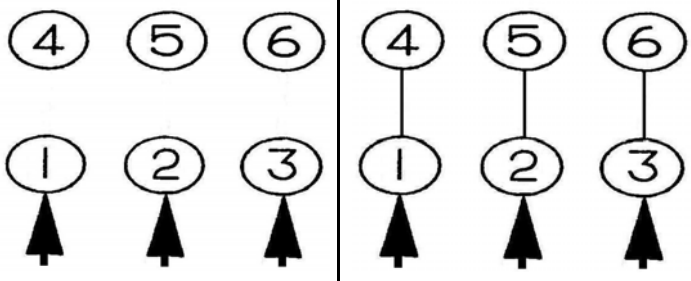
SCHEMATIC - 2Δ / Δ CONNECTION

ACROSS THE LINE OR VFD CONNECTION



LINE
460 VOLT CONNECTION

460 VOLT PART WINDING START CONNECTION



	LINE	**LINE**	
	460 VOLT START	**460 VOLT RUN**	

TECO Westinghouse

DWG NO.
DAC-1565-9