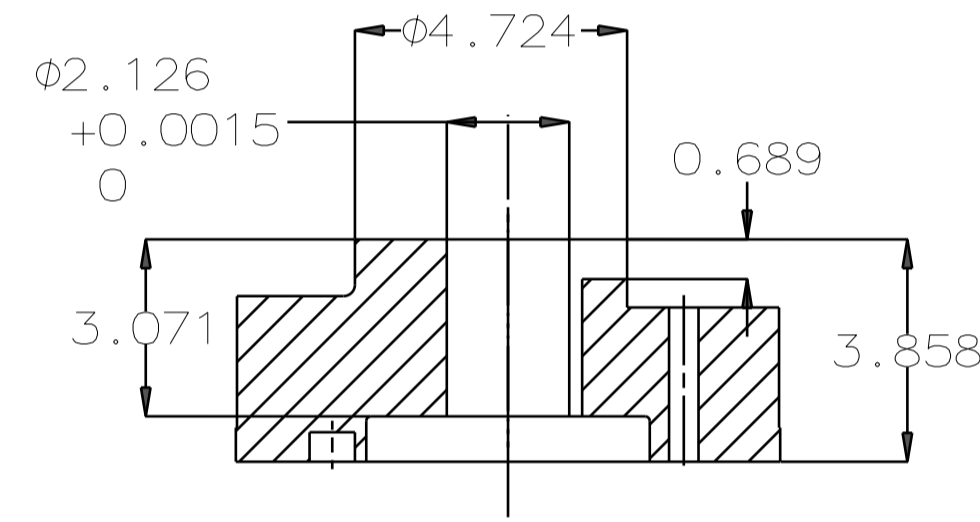
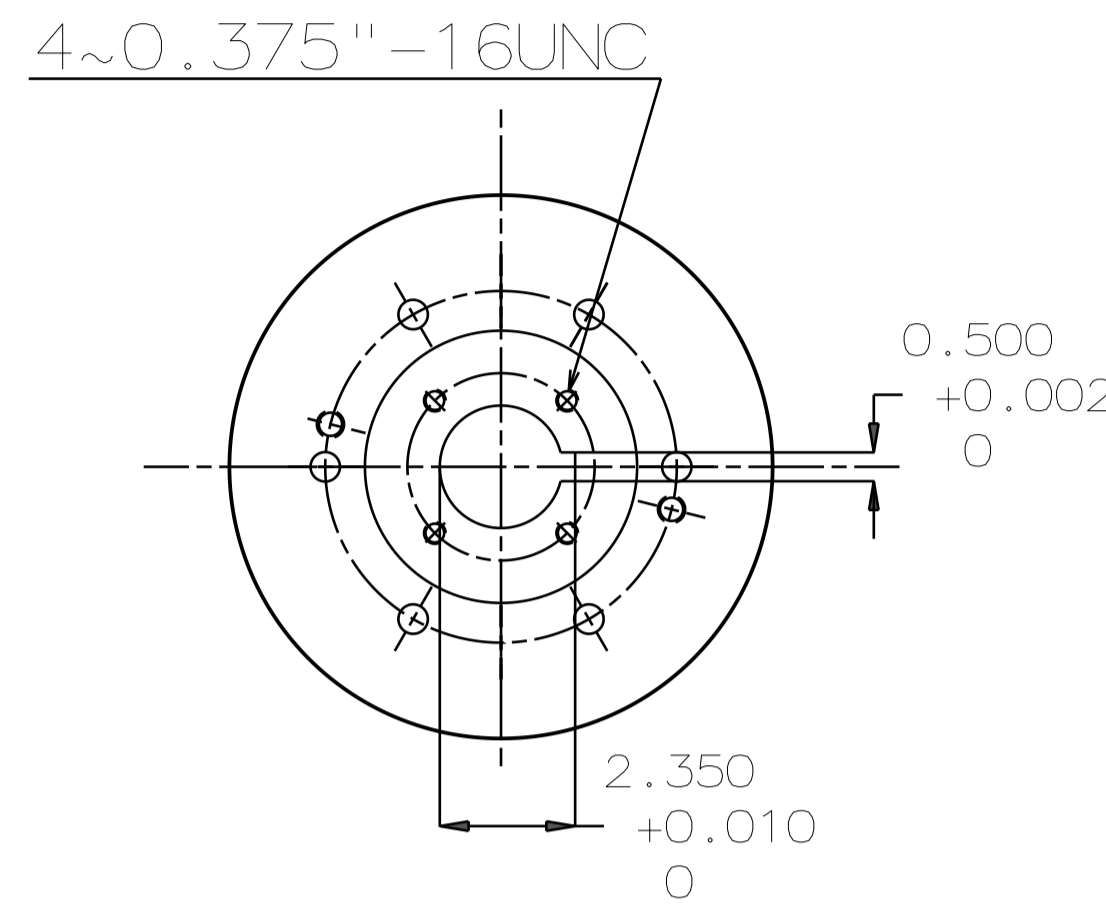


TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN. SPEED R.P.M
	HP.	kW.					
AEHNNH	250	186.4	4	CONT	230/460	60	1800

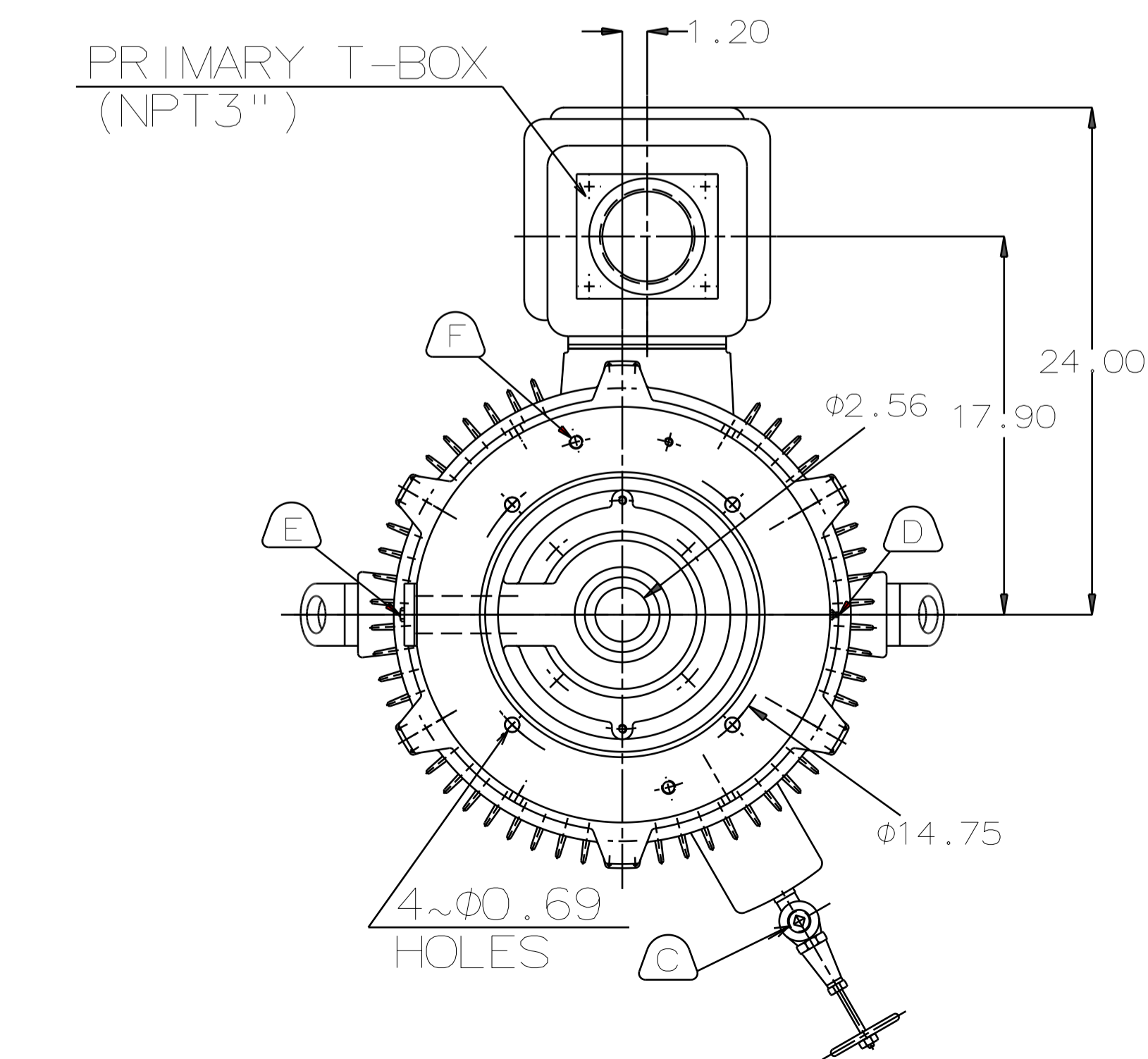
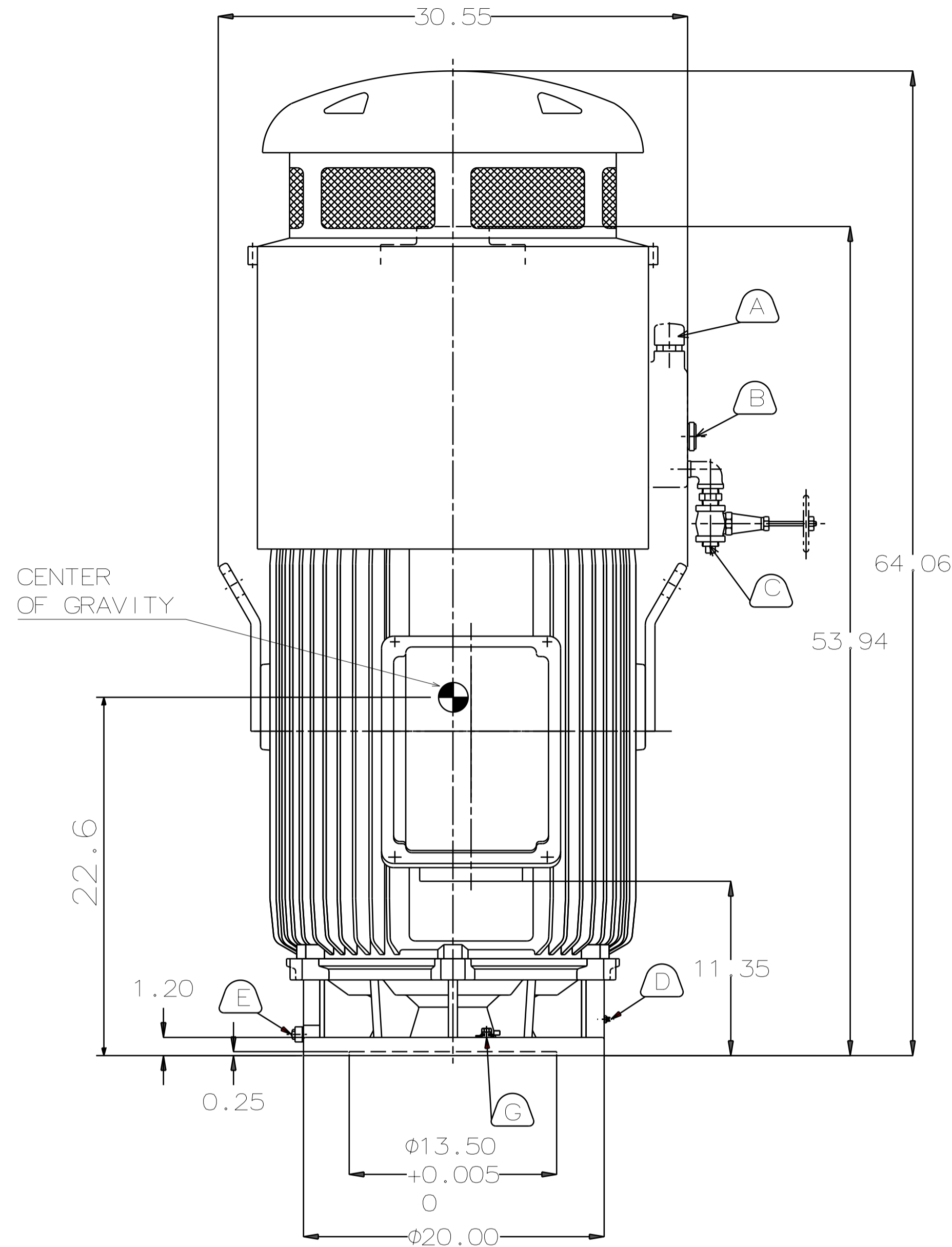
TOTALLY ENCLOSED FAN-COOLED VERTICAL HOLLOW SHAFT TYPE, SQUIRREL CAGE ROTOR

NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO.449TP
3. F CLASS INSULATION, S.F.: 1.15
4. FOR DIRECT COUPLING.
5. BEARING SIZE:
UPPER BEARING: 7326B (UNINSULATED)
LOWER BEARING: 6318C3 (UNINSULATED)
6. LUBRICATION:
UPPER BEARING USE OIL.
OIL VISCOSITY: ISO VG68 [300SSU AT 100°F]
OIL QUANTITY: 1.8 GAL.
LOWER BEARING USE GREASE.(MOBIL POLYREX EM)
7. ROTATION: COUNTER-CLOCKWISE [VIEW FROM TOP].
8. WITH NON-REVERSE RATCHET MECHANISM.
9. WITH GIB KEY:0.500X0.500X3.071,1PCS
10. APPROXIMATE WEIGHT: 3110
11. REED FREQUENCY: 34 HZ
12. DOWNTHRUST: 10,100 LBS (L10-8800HRS)
13. SPACE HEATER RATED AT 120 VOLT, SINGLE PHASE, 109 WATTS, LEADS TERMINATE IN MAIN LEAD BOX.



COUPLING
(ENLARGED VIEW)



- A OIL FILLER [UPPER BEARING]
- B OIL GAUGE [UPPER BEARING]
- C OIL DRAIN [UPPER BEARING]
- D GREASE INLET [LOWER BEARING]
- E GREASE DISCHARGER [LOWER BEARING]
- F 2~M16 VERTICAL JACKING HOLES 180° APART IN MOTOR BASE.
- G M10 TAPPED HOLE IN MOTOR BASE WITH GROUNDING TERMINAL [R38-10] & BOLT LOCATED AS SHOWN.

DATE	DEC 08 2016	OUTLINE DIMENSIONS	
	VHTP2504	3-PHASE INDUCTION MOTOR	
DWN.	C.FU	APR.28.2015	DWG NO. REV:00
CHKD.	R.LEE	APR.28.2015	4B040L247
APPD.	C.LIU	APR.28.2015	



ISSUED APR. 30 2015	PERFORMANCE DATA HIGH THRUST HOLLOWSHAFT PUMP MOTORS LOW VOLTAGE SQUIRREL CAGE	MODEL AEEHED
REVISED		



TEFC, NEMA T-FRAME DESIGN B, CODE G, CLASS F, 40°C AMBIENT,
CONTINUOUS DUTY, 1.15 S.F. 230/460V 60HZ

ee C C 0 0 2 A

TYPICAL PERFORMANCE (460V)

HP	FULL LOAD RPM	FRAME SIZE (EHV)	EFFICIENCY				POWER FACTOR			CURRENT		TORQUE			ROTOR WR ² lb-ft ²	DOWN THRUST LBS	APPROX. ROTOR WEIGHT LBS	APPROX. WEIGHT LBS	REED FREQ. Hz
			FULL LOAD %		3/4 LOAD	1/2 LOAD	FULL	3/4	1/2	FULL	LOCKED	FULL	LOCKED	BREAK-					
			NOM.	MIN.	NOM.	NOM.	LOAD	LOAD	LOAD	LOAD	ROTOR	LOAD	ROTOR	DOWN					
			%	%	%	%	%	%	%	A	A	lb-ft	%FLT	%FLT					
100	1186	444VP	95.0	94.1	94.9	94.5	79.8	74.8	64.8	123	791	442.9	100	220	56.8	10000	550	1980	43
	890	447VP	94.5	93.6	94.4	94.0	76.0	71.0	61.0	130	791	590.2	100	220	119.6	12500	770	2450	44
125	1781	444VP	95.4	94.5	95.3	94.9	85.6	80.6	70.6	143	988	368.7	100	210	36.1	8800	460	1990	43
	1186	445VP	95.0	94.1	94.9	94.5	79.0	74.0	64.0	155	988	553.7	100	220	66.9	10000	610	2090	40
	889	447VP	95.0	94.1	94.9	94.5	76.2	71.2	61.2	161	988	738.6	100	220	140.4	12500	850	2640	42
150	1781	445VP	95.8	95.0	95.7	95.3	88.0	83.0	73.0	166	1186	442.4	100	210	47.9	8800	530	2050	40
	1188	447VP	95.8	95.0	95.7	95.3	77.2	72.2	62.2	189	1186	663.3	100	210	97.7	11400	720	2500	43
	890	449VP	95.0	94.1	94.9	94.5	76.6	71.6	61.6	192	1186	885.4	100	220	189.6	12500	1070	3060	35
200	1781	447VP	96.2	95.4	96.1	95.7	82.5	77.5	67.5	235	1581	589.9	100	200	62.2	10000	610	2480	44
	1188	449VP	95.8	95.0	95.7	95.3	76.6	71.6	61.6	254	1581	884.4	100	210	123.2	11400	850	2920	35
250	1783	449VP	96.2	95.4	96.1	95.7	83.1	78.1	68.1	292	1977	736.6	100	210	79.3	10000	730	2910	35
	1188	449VP	95.8	95.0	95.7	95.3	74.3	69.3	59.3	328	1977	1105.5	100	210	145.1	11400	940	3180	34
300	1783	449VP	96.2	95.4	96.1	95.7	83.1	78.1	68.1	351	2372	883.9	100	220	93.0	10000	790	3140	34

NOTE : 1. THE ABOVE ARE TYPICAL VALUES BASED ON TEST ACCORDING TO ANSI/IEEE STANDARD 112 METHOD B.

2. BREAKDOWN & LOCKED ROTOR TORQUES ARE SHOWN AS AVERAGE EXPECTED VALUES.

3. EFFICIENCY, POWER FACTOR, SPEED AND TORQUE ARE THE SAME FOR OTHER VOLTAGES. CURRENT VALUES VARY INVERSELY WITH VOLTAGE.

4. DECLARED EFFICIENCY HAVN'T TAKEN INTO ACCOUNT OF THRUST LOAD LOSSES

5. TOLERANCE ACCORDING TO NEMA MG1-12& IEC 34-1

6. THRUST LOAD LOSSES ESTIMATED OF ANGULAR CONTACT BALL BEARING AS FOLLOWS : (ACCORDING TO NEMA STANDARD MG1-12.7)

FRAME SIZE	LOSS HP /100 RPM	RPM/1000 LB THRUST
444VP~445VP		0.0180
447VP~449VP		0.0194

7. REDUCING THE THRUST LOAD WILL INCREASE BEARING LIFE AS FOLLOWS :

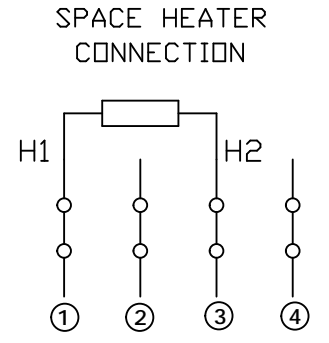
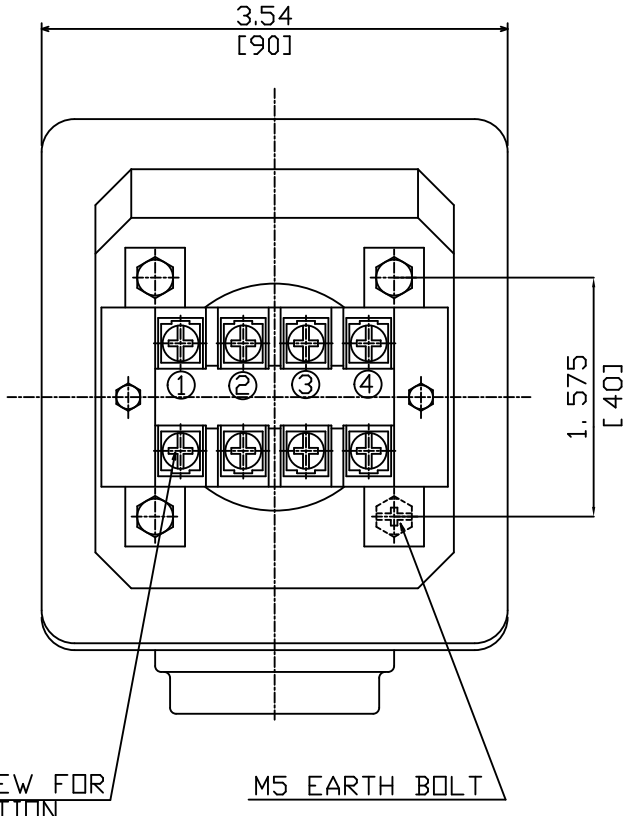
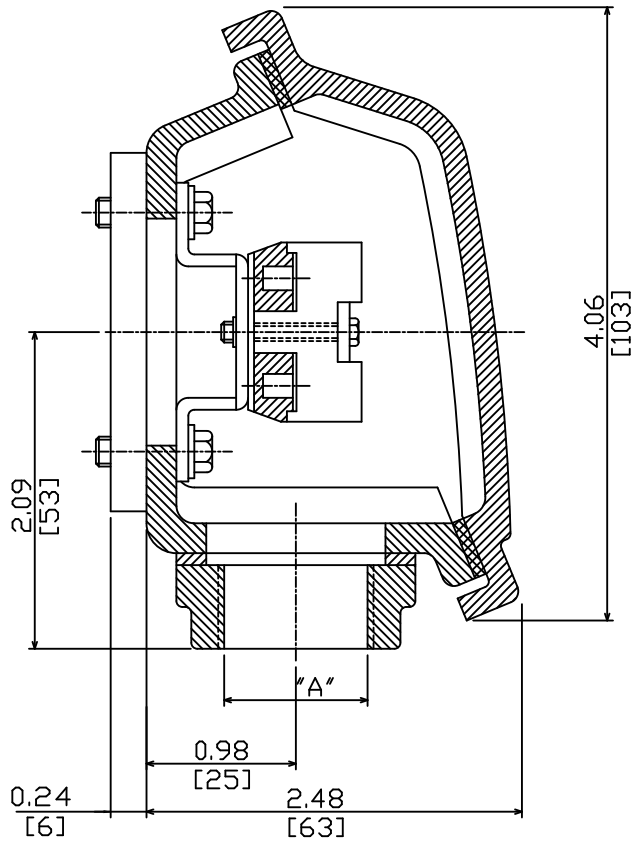
THRUST(%)	100	82	73	62	56	51
BEARING LIFE(Hrs.)	8800	15000	20000	30000	40000	50000

8. DATA SUBJECT TO CHANGE WITHOUT NOTICE

9. **ee** C C 0 0 2 A IS SUITABLE FOR 4, 6 POLE UP TO 200HP.

10. 230/460 V UP TO 125HP, 150HP AND ABOVE, APPLY 460/(800) V ONLY

APPD. M.Y.HSU	APR. 30 2015	TECO Electric & Machinery Co., Ltd.	DWG NO.
CHKD. H.Y.WANG	APR. 30 2015		3A057M071E
DWN. H.Y.WANG	APR. 30 2015		REV.00



ITEM	A
01	NPT - 0.75"
02	
03	
04	
05	

NOTE:
 1. DIMENSIONS IN INCHES [MM].
 2. TW-06
 3. ENCLOSURE: IP56.
 4. SINGLE PHASE POWER SOURCE, SHOULD BE DE-ENERGIZED WHEN MOTOR IS IN OPERATION.

DATE	SPACE HEATER TERMINAL BOX DRAWING
MV 7/15	
DWG NO. 3A040U272	REV: 03

DWN.	H.HUANG	JUL·19·2003
CHKD.	H.HUANG	JUL·19·2003
APPD.	C.WANG	JUL·19·2003

TECO

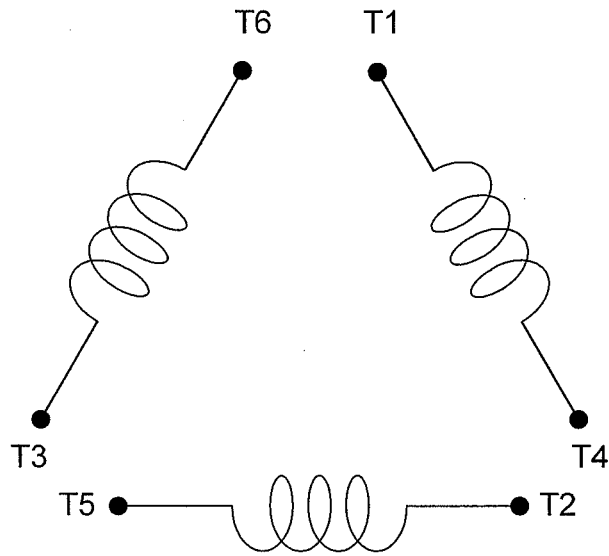
CONNECTION DIAGRAM

MODEL

DATE :
DEC.04.'02

For Δ/Δ connection

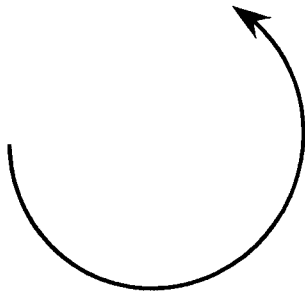
DAC-1545-1



SCHEMATIC - Δ/Δ CONNECTION

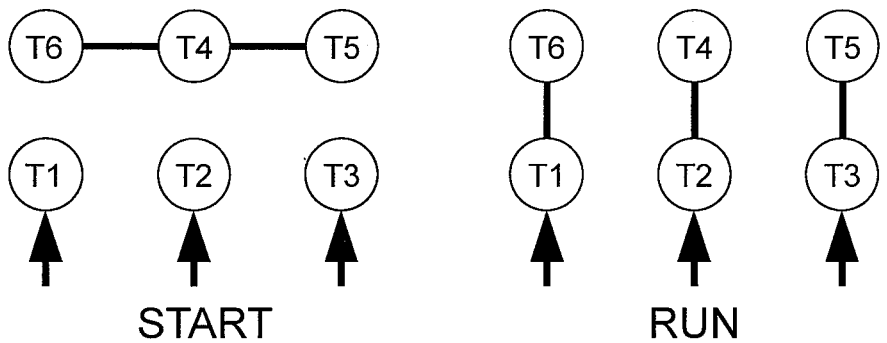
ROTATION

(VIEWED FROM DRIVE END)

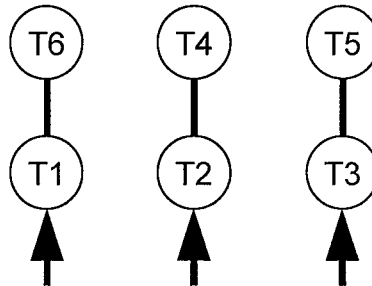


CONNECTION

$\Delta-\Delta$ START



ACROSS-THE-LINE



承 認		
審 核	蔡	Dec.05.02
校 對	林	Dec.04.02
繪 製	林賢龍	DEC,04,'02

東元電機股份有限公司
TECO ELECTRIC & MACHINERY CO., LTD.
 TAIWAN R.O.C.

圖 號：
DAC-1545-1