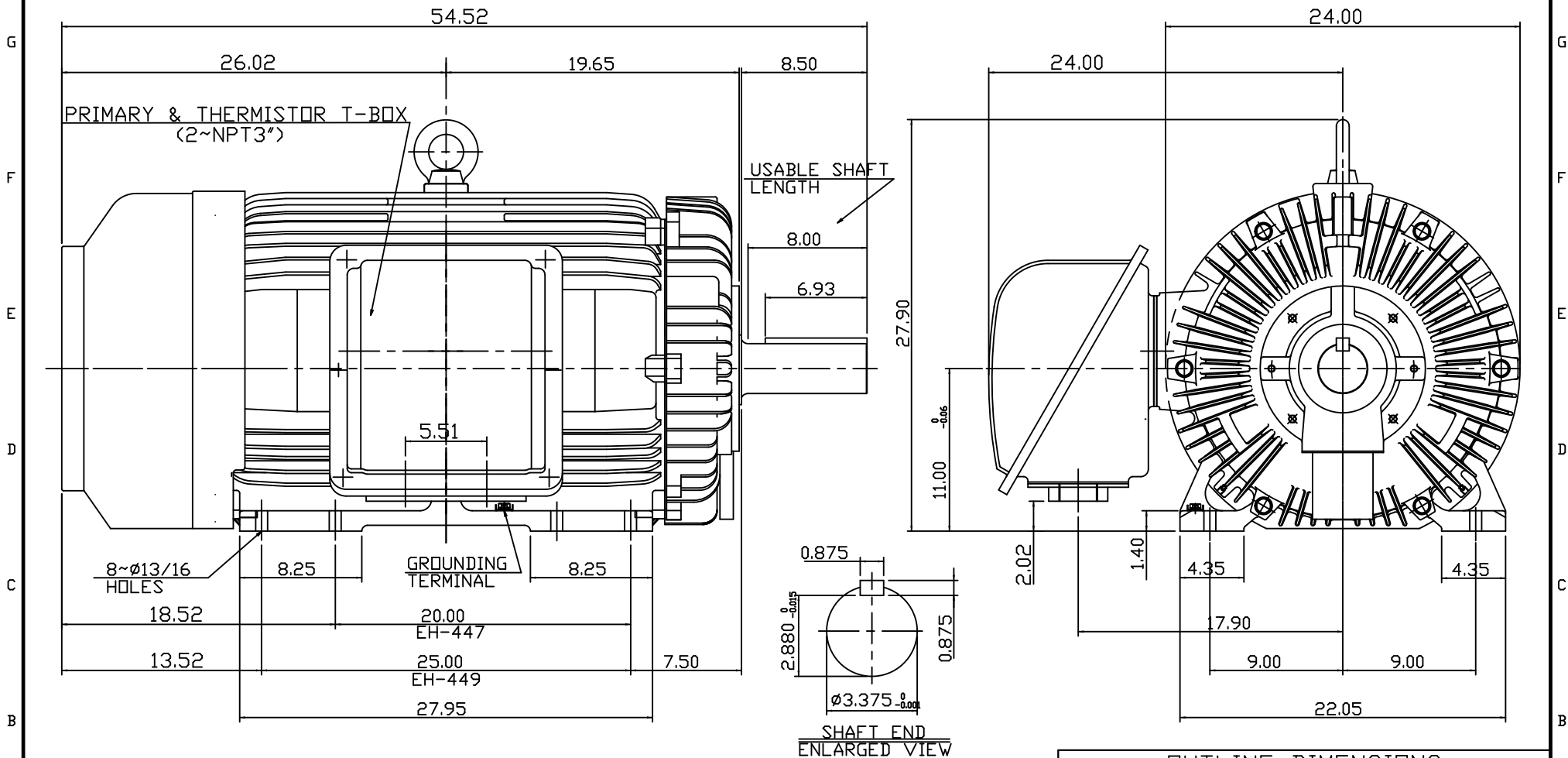


11	10	9	8	7	6	5	4	3	2	1
POLE	HP	kW	Hz	VOLT	r/min(RPM)	INS	RATING	DIMENSION IN	APPROX WEIGHT	BEARINGS
4	250	187	60	460	1800	F	CONT.	INCH	2750 LBS.	DE: 6320 NDE: 6316



NOTE:

1. DIMENSIONS IN INCHES
2. FRAME NO. 449T
3. F CLASS INSULATION, S.F.1.15
4. FOR BELT SERVICE
5. ENCLOSURE: IP55
6. WITH THERMISTOR: PTC 140°C 3PCS
7. SHAFT MATERIAL: SCM440 Q&T (AISI 4140 EQUIV)
8. CORROSION PROOF

OUTLINE DIMENSIONS  
3-PHASE INDUCTION MOTOR

MOTOR TYPE	AEHGGD	FRAME NO.	449T
CATALOG NO.	CDP2504TB	DATE	02-01-2018

TEC Westinghouse			DWG NO.
DWG.	C.COOK	02-01-18	31057C562890

# TECO Westinghouse

ISSUED <b>6/13/2019</b>	<b>PERFORMANCE DATA</b> <b>3-PHASE INDUCTION MOTOR</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHHGD</b>		CATALOG# <b>CDP2504TB</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>250</b>	<b>186.5</b>	<b>4</b>	<b>449T</b>	<b>460</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>--</b>	<b>CONT.</b>	<b>1.15</b>

### 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 <sub>m</sub>
<b>3~60</b>	<b>0.0313~250</b>	<b>90~1800</b>	<b>1.826~734</b>	<b>0.00576</b>	<b>0.0062</b>	<b>0.059</b>	<b>0.1291</b>	<b>2.365</b>

### CONSTANT TORQUE

### CONSTANT HORSEPOWER

HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
<b>6~60</b>	<b>25~250</b>	<b>180~1800</b>	<b>734</b>	<b>60~90</b>	<b>250</b>	<b>1800~2700</b>	<b>734~489.33</b>

### 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.%						
<b>1787</b>	<b>95.4</b>	<b>96.2</b>	<b>96</b>	<b>95.5</b>	<b>85</b>	<b>81</b>	<b>71.5</b>	<b>81</b>

### CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
AT 460 VOLT			AT 460 VOLT			AT 460 VOLT				COLD	HOT
<b>100.9</b>			<b>286.3</b>			<b>2050.0</b>			<b>J</b>	<b>20</b>	<b>15</b>

### TORQUE

### INERTIA

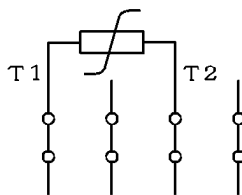
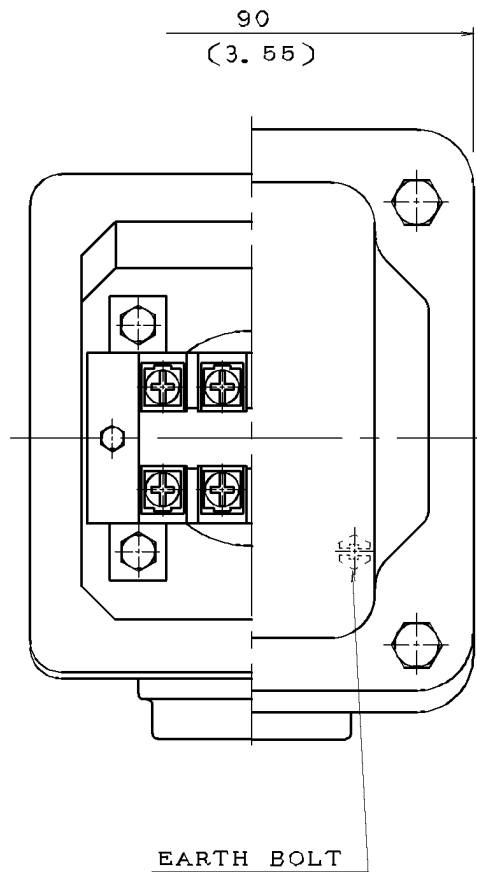
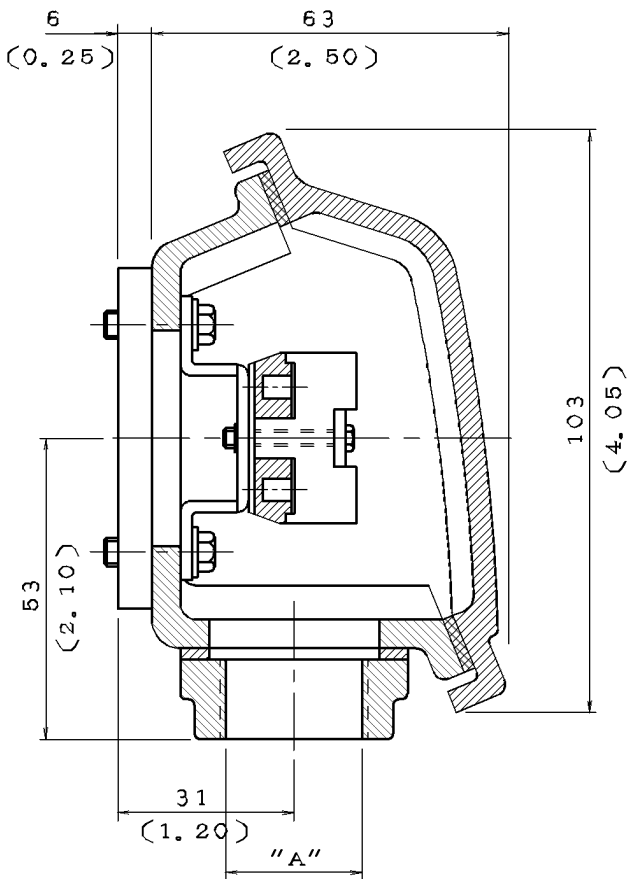
### ACCEL TIME (DOL)

### ALLOWABLE STARTS PER HOUR

FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR <sup>2</sup> (lb-ft <sup>2</sup> )	NEMA LOAD WK <sup>2</sup> (lb-ft <sup>2</sup> )	MAX ALLOWABLE WK <sup>2</sup> (lb-ft <sup>2</sup> )	NEMA LOAD WK <sup>2</sup> Sec	MAX ALLOWABLE WK <sup>2</sup> Sec	COLD	HOT
<b>734.5</b>	<b>200.0</b>	<b>160.0</b>	<b>275.0</b>	<b>70.8</b>	<b>1020.0</b>	<b>2034.0</b>	<b>3.9</b>	<b>7.5</b>	<b>2</b>	<b>1</b>

APPROVED:	<b>K. Lo</b>	DRAWING NO.	<b>31057CDP2504TB</b>	REVISION:	<b>1</b>
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DATE	SCHEMATIC DRAWING TERMINAL BOX	MODEL
08/25/2017		CDP2006RZ



NOTE: 1. DIMENSIONS IN mm (inch)  
 2. TW-06  
 3. THERMISTOR T-BOX

ITEM	A
01	M20X1.5
02	M25X1.5
03	PF0.5"
04	PF0.75"
05	PF1"
06	PT0.5"
07	PT0.75"
08	NPT0.5"
09	NPT0.75"
10	NPT1"



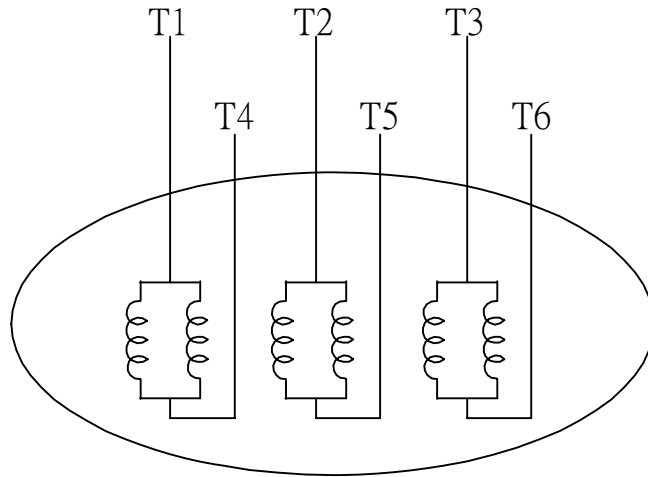
DWN.	L. NIEH	MAY*21*2002
CHKD.	B. YANG	MAY*21*2002
APPD.	T. CHEN	MAY*21*2002

**TECO** Westinghouse

DWG NO. REV: 04

3A040M465

DATE	SCHEMATIC 6 LEADS	MODEL
08/25/2017		CDP2006RZ



SCHEMATIC DIAGRAM - 6 LEADS

VOLTAGE	CONNECTION	ROTATION (VIEWED FROM NON-DRIVE END)
LOW (RUN. $\Delta$ )	<p>Diagram showing a delta connection for low voltage. Three horizontal lines represent supply lines L1, L2, and L3. The motor windings are connected in a triangle. Lead T1 is connected to L1, T2 to L2, and T3 to L3. Leads T4, T5, and T6 are also shown connected to the vertices of the delta.</p>	<p>A curved arrow indicating clockwise rotation when viewed from the non-drive end.</p>
HIGH (START. $\Delta$ )	<p>Diagram showing a star connection for high voltage. Three horizontal lines represent supply lines L1, L2, and L3. The motor windings are connected in a star configuration. Lead T1 is connected to L1, T2 to L2, and T3 to L3. Leads T4, T5, and T6 are also shown connected to the star point.</p>	<p>A curved arrow indicating clockwise rotation when viewed from the non-drive end.</p>

DWN.	S.HUANG	MAR • 03 • 2003		DWG NO.	REV: 00
CHKD.	T.HSIAO	MAR • 03 • 2003		3A061H634W	
APPD.	T.HSIAO	MAR • 03 • 2003			