

Kiln Duty Motors

Model No: 184TTTCD18578

Catalog No: S554A

Kiln Duty Motor, 2 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 184T Frame, TEAO

Product Information Packet: Model No: 184TTTCD18578, Catalog No: S554A Kiln Duty Motor, 2 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 184T Frame, TEAO

Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	575 V
Speed	1175 r/min	Synchronous RPM	1200 r/min
Service Factor	1.15	Frame	184T
Enclosure	Totally Enclosed Air Over	Thermal Protection	Thermostat
Efficiency	87.5 %	Ambient Temperature	90 °C
Frequency	60 Hz	Current	2.35 A
Power Factor	70	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	L	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

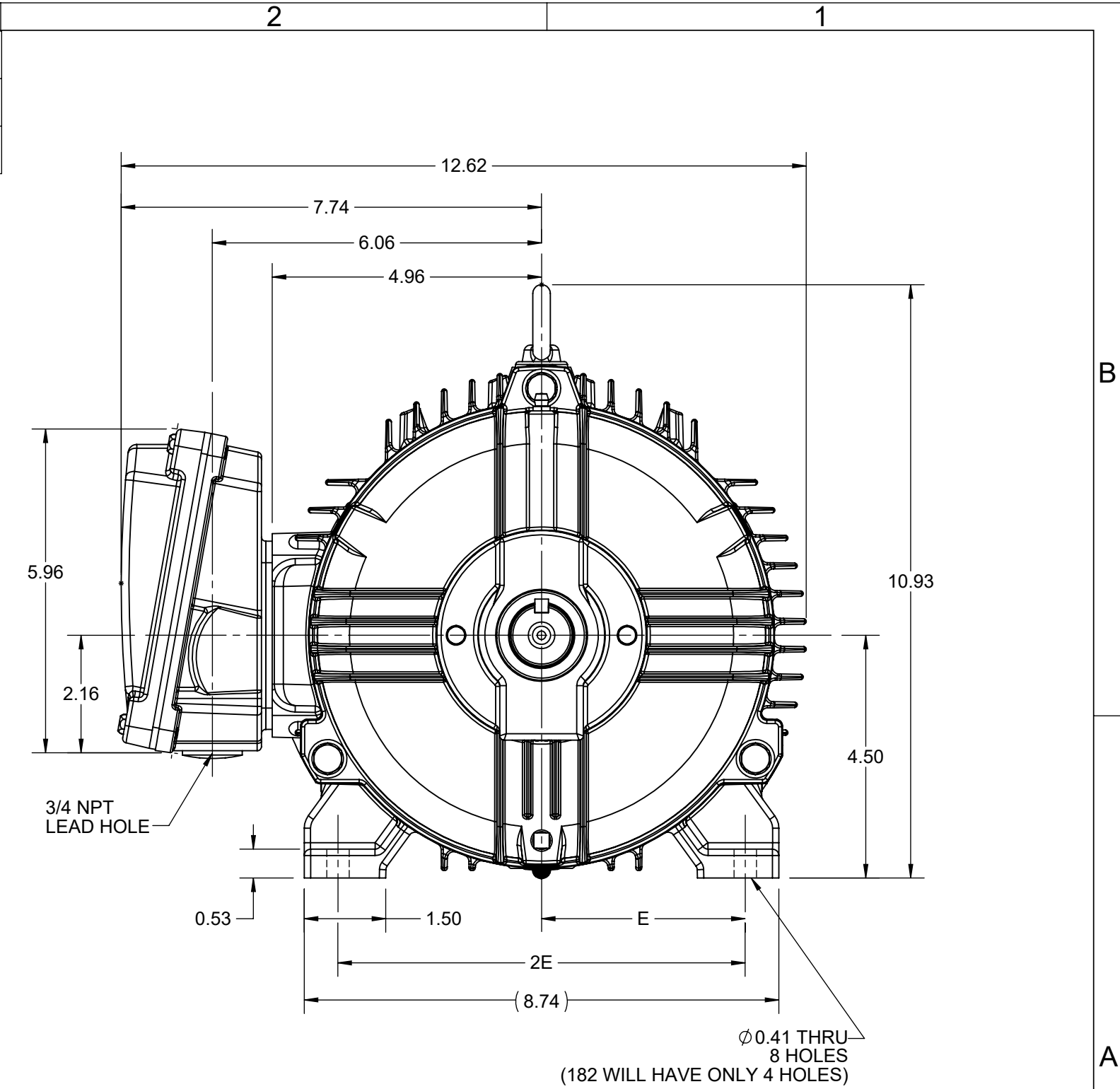
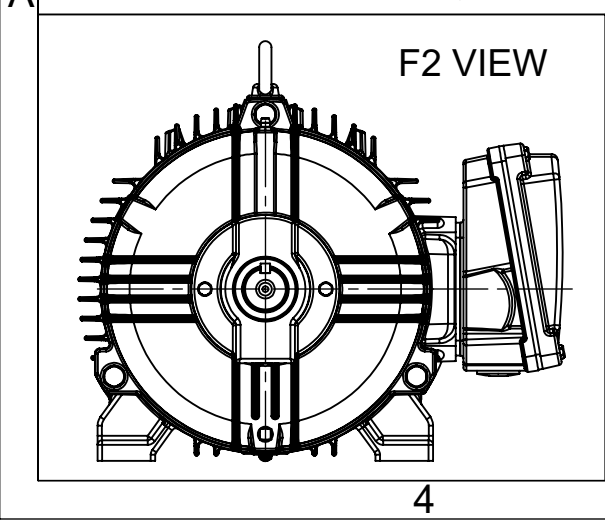
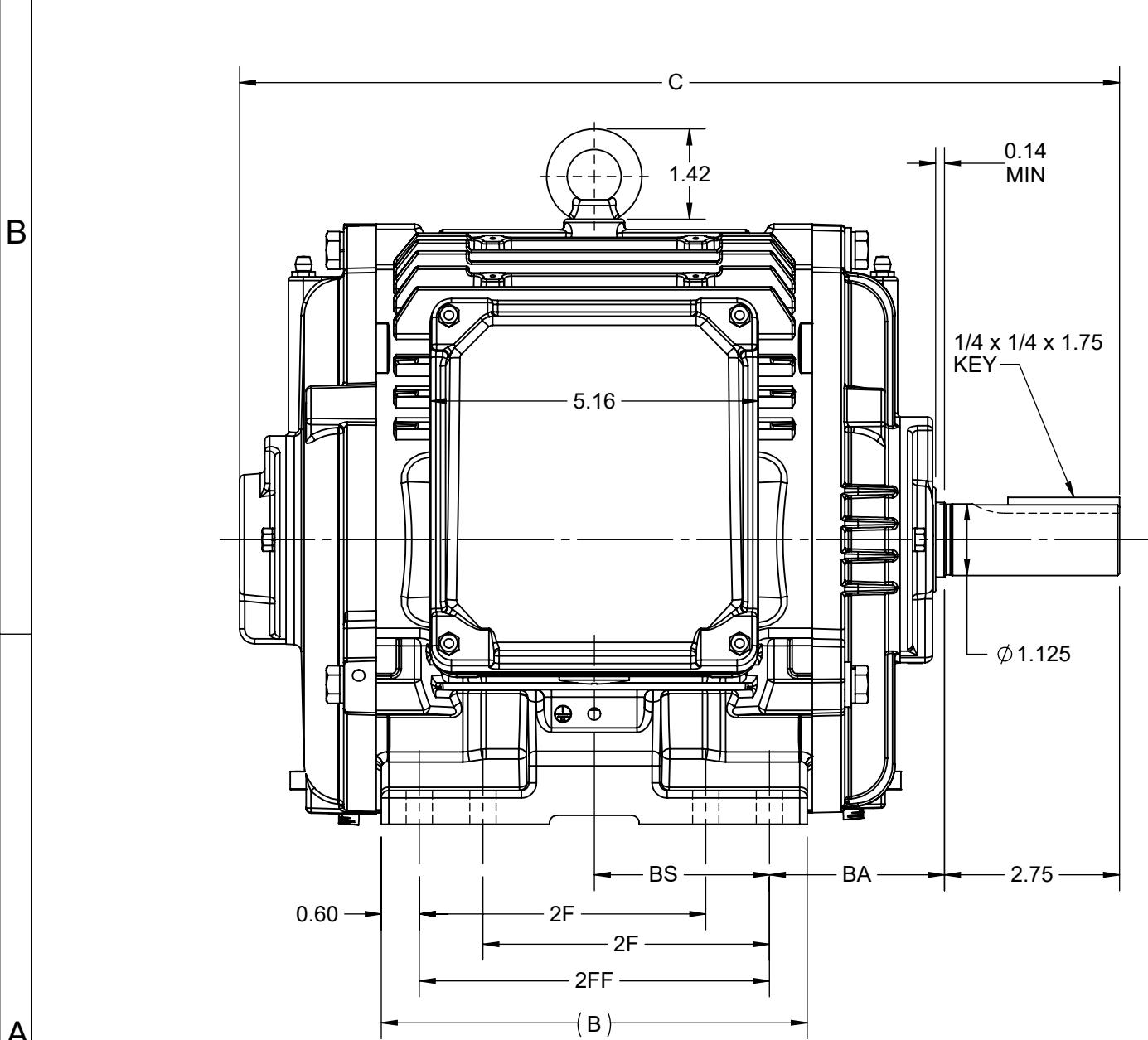
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	8.12433 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball / Heat Stabilized
Opp Drive End Bearing	Ball / Heat Stabilized	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Variable 20:1

Drawings

Connection Drawing	EE7300T	Outline Drawing	SS600211-200
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4					3					
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	5.67	12.82	3.75	7.50	-	4.50	2.75	2.35	F1 OR F2	182T
200	6.69	13.82			4.50	5.50		2.75	F1 OR F2	182/184T



DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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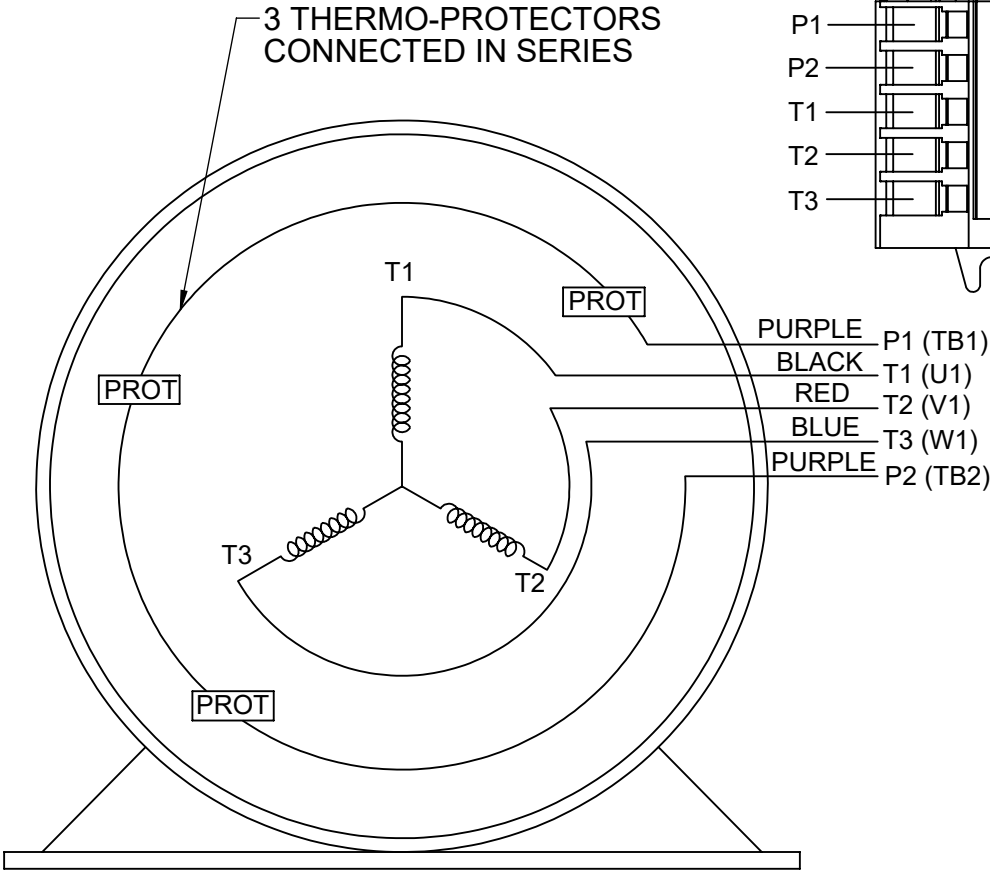
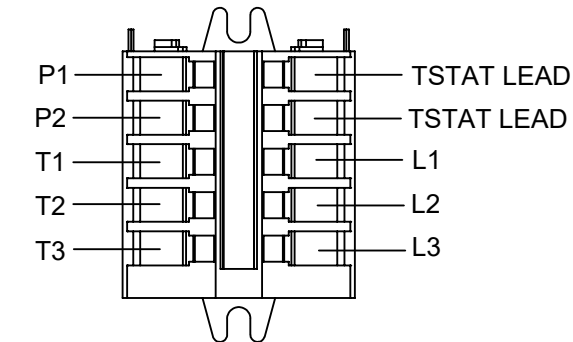
DRAWN BY BISWA	marathon™		
DATE 06/10/2020			
APPROVED BY SBD	DESCRIPTION OUTLINE 182/184T FR-NEMA-TEAO/TENV		
DATE 06/10/2020			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS600211	SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

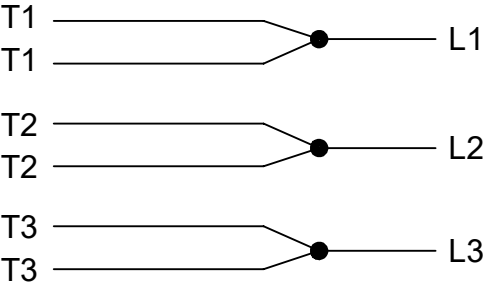
NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1

TERMINAL BLOCK WHEN SPECIFIED



T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

DRAWING REVISION AC	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
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DRAWN BY LZ
DATE 01-04-1994
APPROVED BY GK
DATE 01-20-1994
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300T	SHEET 1 OF 1



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 575

CERTIFICATION DATA SHEET

CUSTOMER:**ORDER #:****CONN. DIAGRAM:****OUTLINE:****WINDING:****SPEED:**

EE7300T

SS600211-200

HA31126009

R5

2

CUSTOMER P.O. #:**REFERENCE MODEL #:****CAT #:****CUSTOMER PART #:****MOUNTING:**

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	1200	1175	184T	TEAO	TTC	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	2.35	LINE OR INVERTER	CONT	H	1.15	90	3300

F.L. EFF	87.5	3/4 LD EFF	87.0	1/2 LD EFF	85.5	GTD EFF	ELECT. TYPE
F.L. PF	70.0	3/4 LD PF	63.0	1/2 LD PF	51.0	86.5	SQ CAGE INV RATED

F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (° C)	
9.0	LB-FT	18.8		27.0	LB-FT 300%	30.0	LB-FT 333%	0	

SOUND PRESSURE @ 3 FT.	SOUND	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
50 dBA	59 dBA		0.5 LB-FT ²	40 LB-FT ²	15 SEC.	2	0	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	NO	NONE	BLUE - RAL 5003 (EPOXY)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE							
HEAT STAIL / HEAT STABILIZ	DC 44M	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON
6206 6205							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE	HEATERS
TSTATS CLH (N/C)	NOT	NONE	NONE	NONE	FALSE		NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
7.5734375	5.5078125	20.9984375	25.8171875	344.2390625	0.080	ODE

* N O T E S *					INVERTER TORQUE: VARIABLE 20:1 INV. HP SPEED RANGE: NONE				
					ENCODER: NONE				
					NONE				
					NONE PPR				
					BRAKE: NONE				
PREPARED BY: CHANDANA DESU DATE: 6/20/2022				NONE				NONE	
				FT-LB: NA					
				VOLTAGE: NONE				HZ:	
FORM: 3531 REV_4 2/27/06				UL: V-INS, CONST. OVERHEAT PRT DEV UL REC					