

Kiln Duty Motors

Model No: 256TTTCD18601

Catalog No: S564A

Kiln Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 900 RPM, 256T Frame, TEAO

Product Information Packet: Model No: 256TTTCD18601, Catalog No: S564A Kiln Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 900 RPM, 256T Frame, TEAO

Nameplate Specifications

Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	575 V
Speed	875 r/min	Synchronous RPM	900 r/min
Service Factor	1.15	Frame	256T
Enclosure	Totally Enclosed Air Over	Thermal Protection	Thermostat
Efficiency	86.5 %	Ambient Temperature	90 °C
Frequency	60 Hz	Current	8.4 A
Power Factor	73	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	H	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6209	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

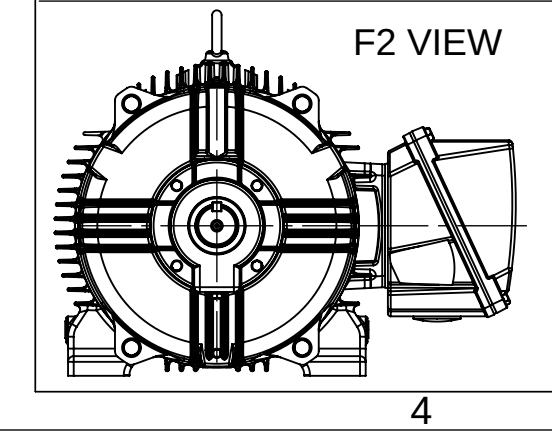
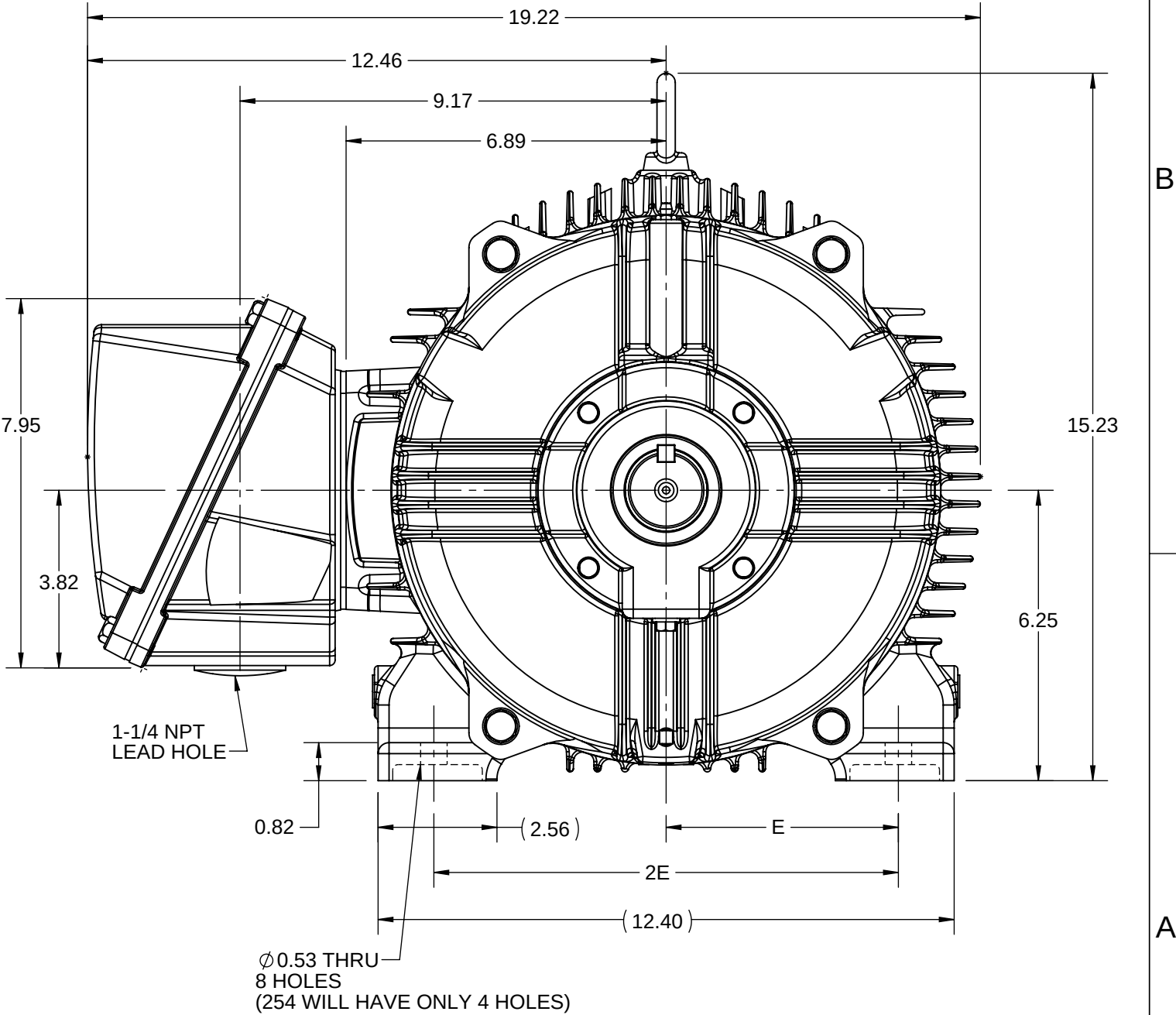
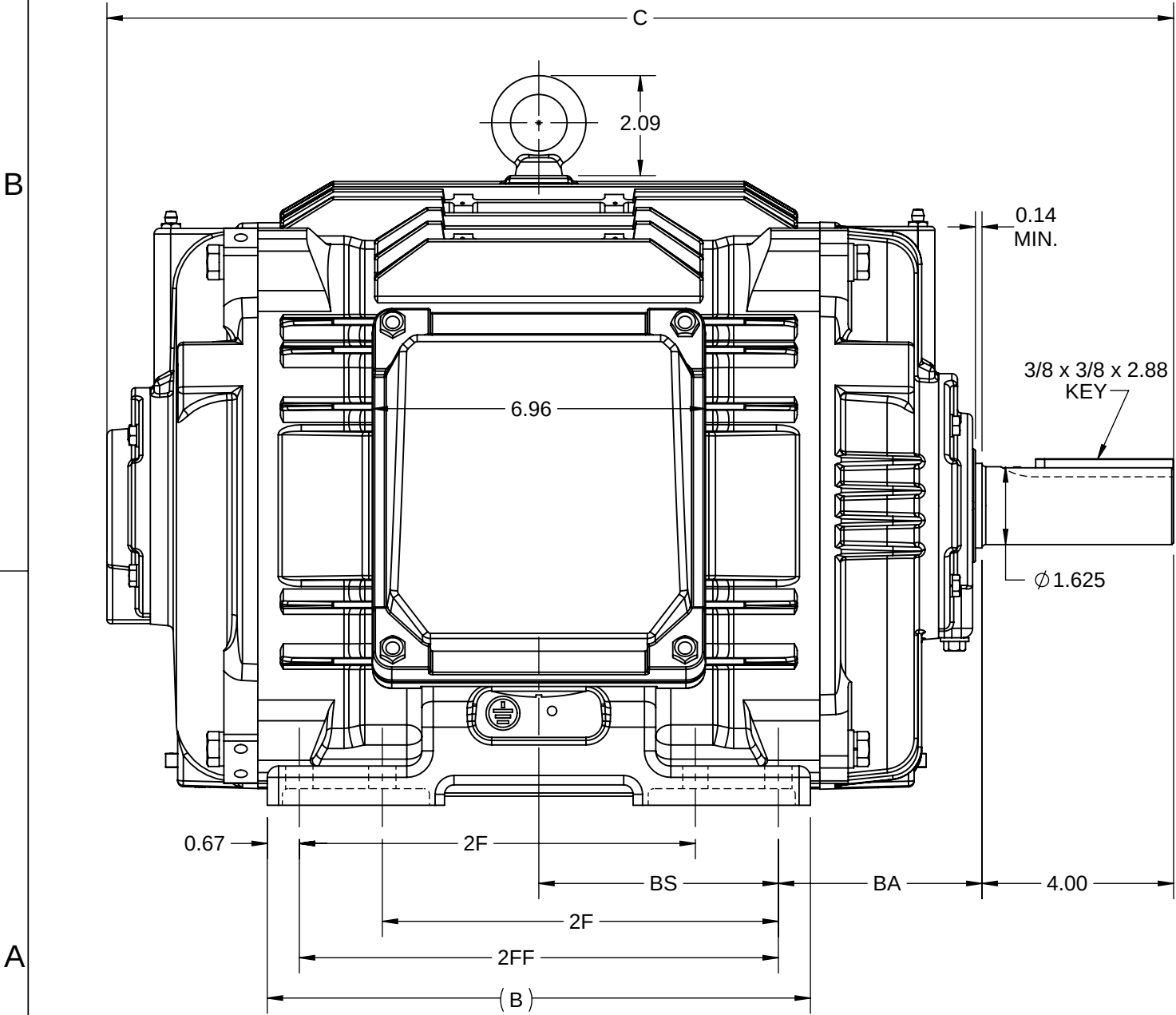
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	8	Rotation	Reversible
Resistance Main	1.33736 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	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Variable 20:1		

Drawings

Connection Drawing	EE7300T	Outline Drawing	SS620955-200
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4				3				2		1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	9.60	20.53	5.00	10.00	-	8.25	4.25	4.13	F1 OR F2	254T
200	11.34	22.27			8.25	10.00		5.00		254/256T



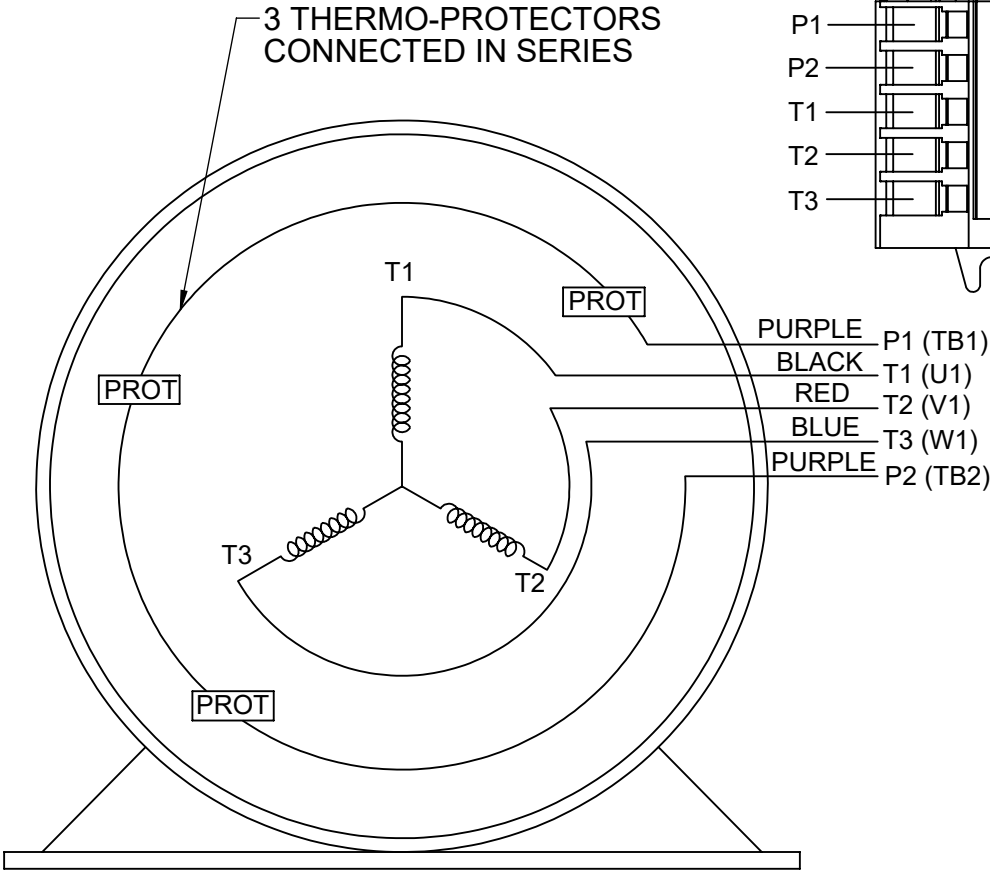
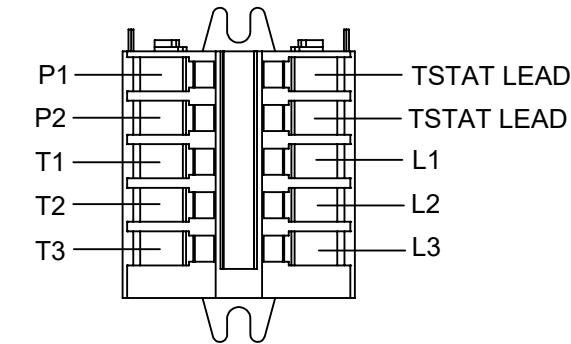
DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 05/20/2026	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125 INCH 3.2 mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DRAWN BY SAI		marathon™			
REQUEST NUMBER CR-0026330	APPROVED BY RMS	DATE 05/20/2026					DATE 24/01/2020					
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED							APPROVED BY SBD		DESCRIPTION OUTLINE 254T/256T FR-NEMA-TEAO/TENV			
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							REFERENCE		MATERIAL		PROCESS/FINISH	
							THIRD ANGLE PROJECTION				SIZE B	DRAWING NUMBER SS620955

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

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

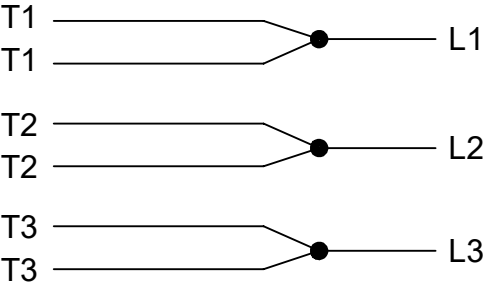
NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1

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

VIEW OF TERMINAL END

DRAWING REVISION AC	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

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