

Inverter (Vector) Duty Motors

Model No: 182THTCD8048

Catalog No: Y988A

Inverter (Vector) Duty Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TENV

Product Information Packet: Model No: 182THTCD8048, Catalog No: Y988A Inverter (Vector) Duty Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TENV

Nameplate Specifications

Phase	3	Output HP	3 Hp
Output KW	2.2 kW	Voltage	230/460 V
Speed	1765 r/min	Synchronous RPM	1800 r/min
Service Factor	1.00	Frame	182TC
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	Thermostat
Efficiency	89.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	8.0/4.0 A
Power Factor	79	Duty	Continuous
Insulation Class	SPECIAL	Design Code	INV
KVA Code	L	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6306	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

Technical Specifications

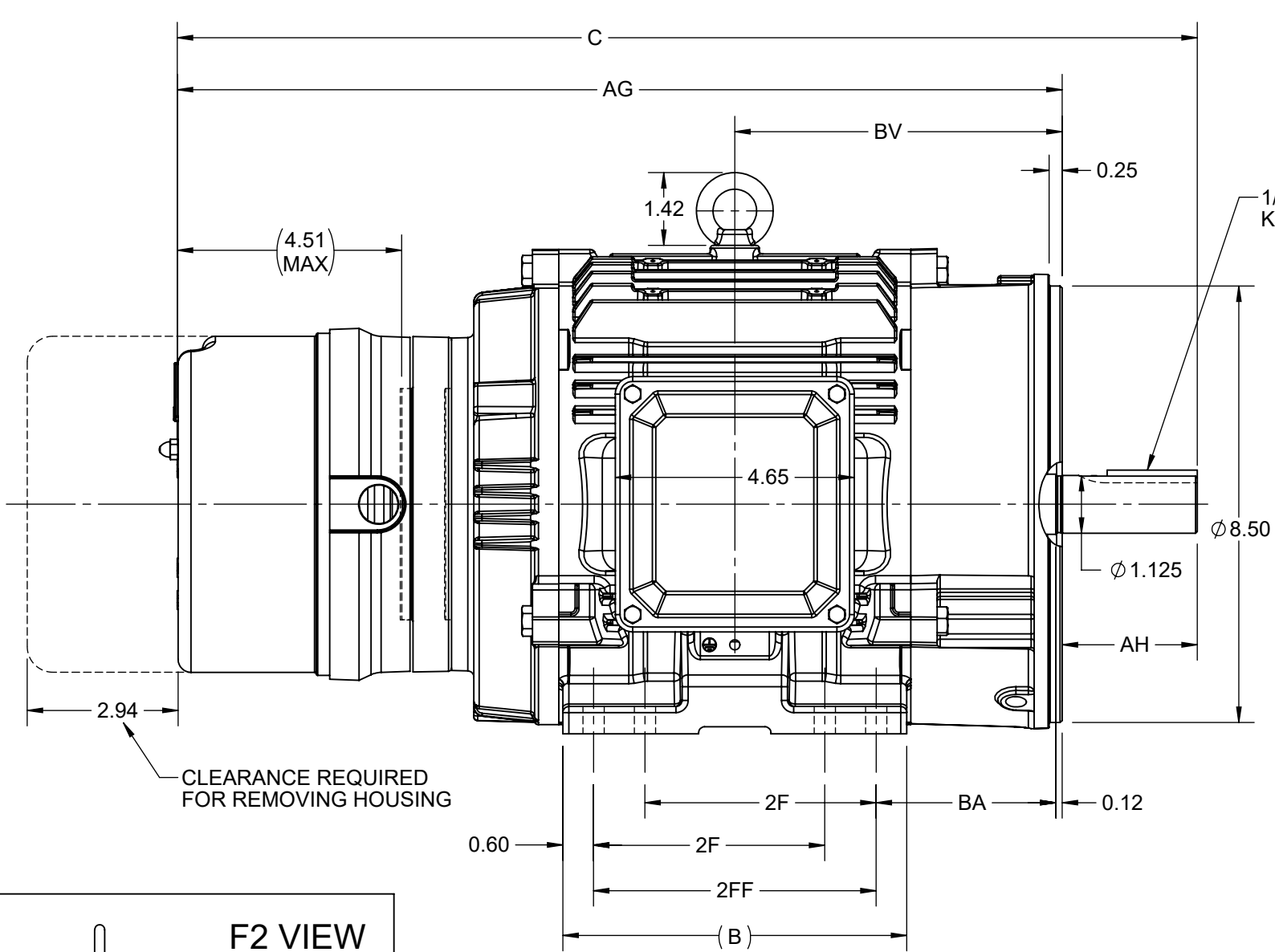
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	3.542 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2000:1

Drawings

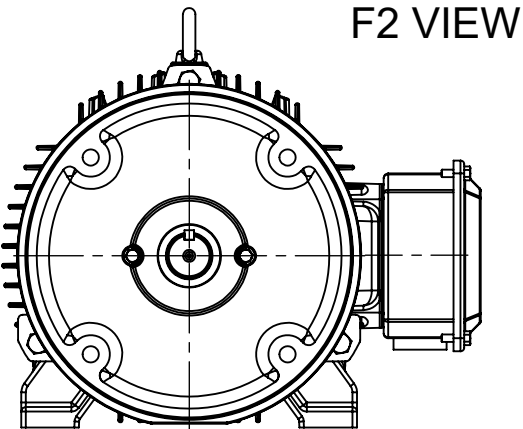
Connection Drawing	EE7308T	Outline Drawing	SS600242-100
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4						3						2		1	
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME			
100	5.67	18.85	3.75	7.50	---	4.50	16.22	2.62	3.50	5.87	F1 OR F2	182TC			
200	6.69	19.85			4.50	5.50	17.22			6.37		182/184TC			

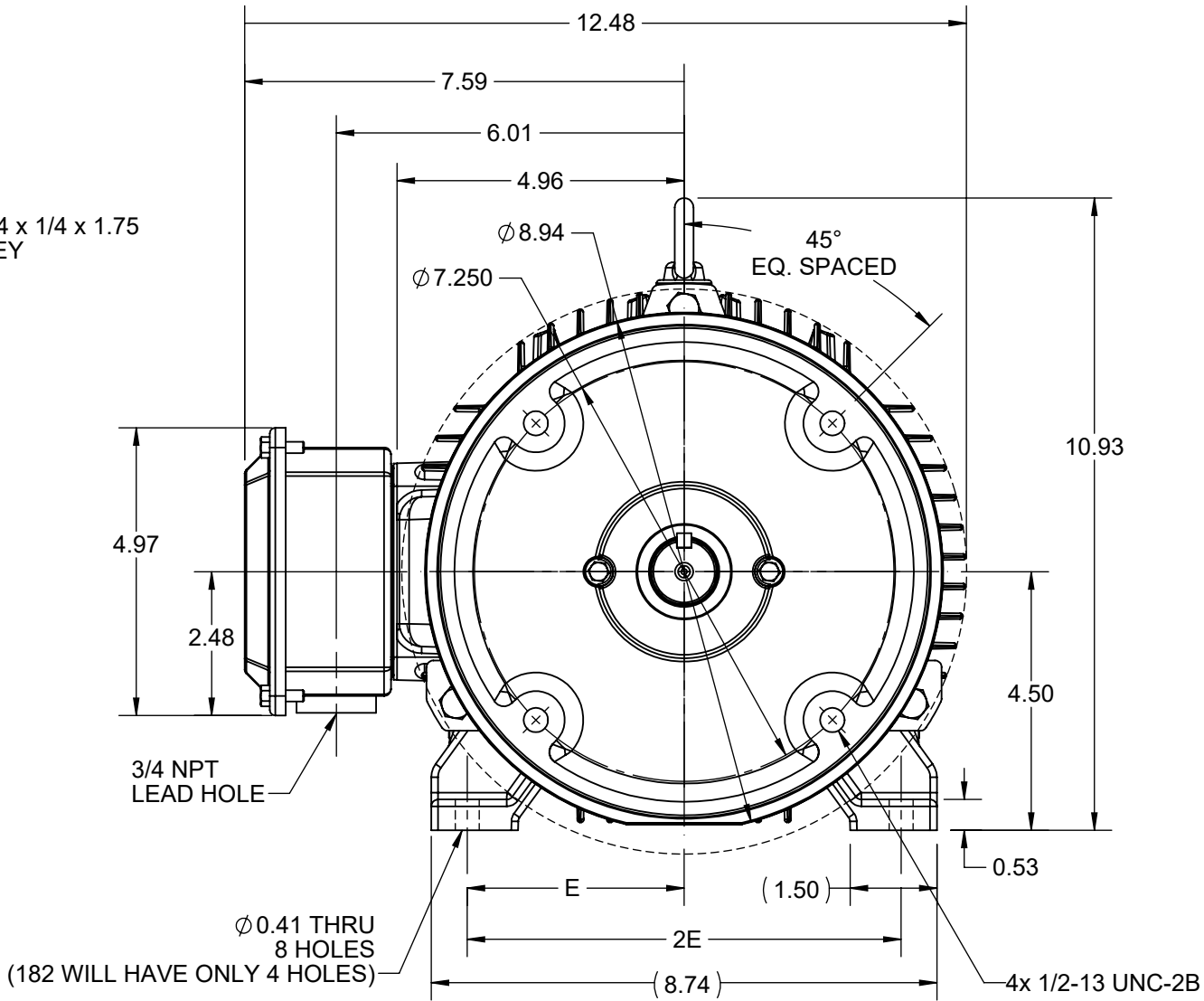
B



A



B



A

DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 07/30/2025
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 07/30/2025
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DRAWN BY VS
DATE 25-06-2020
APPROVED BY SBD
DATE 25-06-2020
REFERENCE
THIRD ANGLE PROJECTION

marathon™			
DESCRIPTION OUTLINE			
182/184TC NEMA TENV-BRAKE (STEARNS BR & SL85 TACH)			
MATERIAL		PROCESS/FINISH	
SIZE B	DRAWING NUMBER SS600242		SHEET 1 OF 1

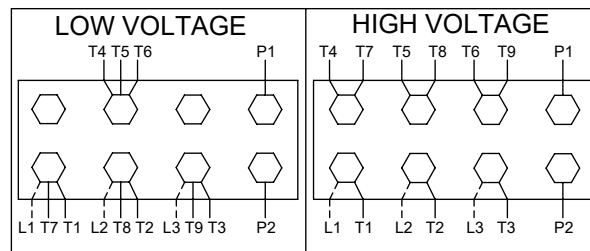
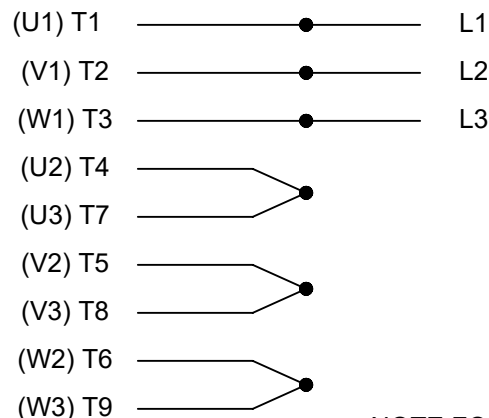
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3

2

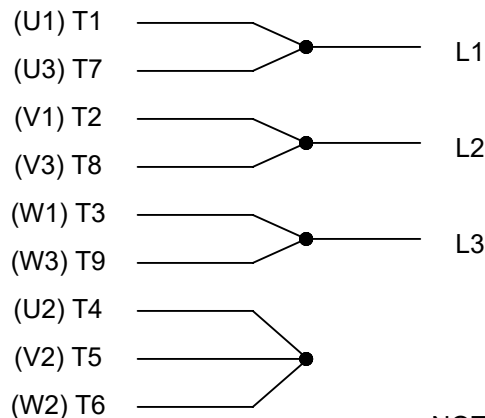
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HIGH VOLTAGE

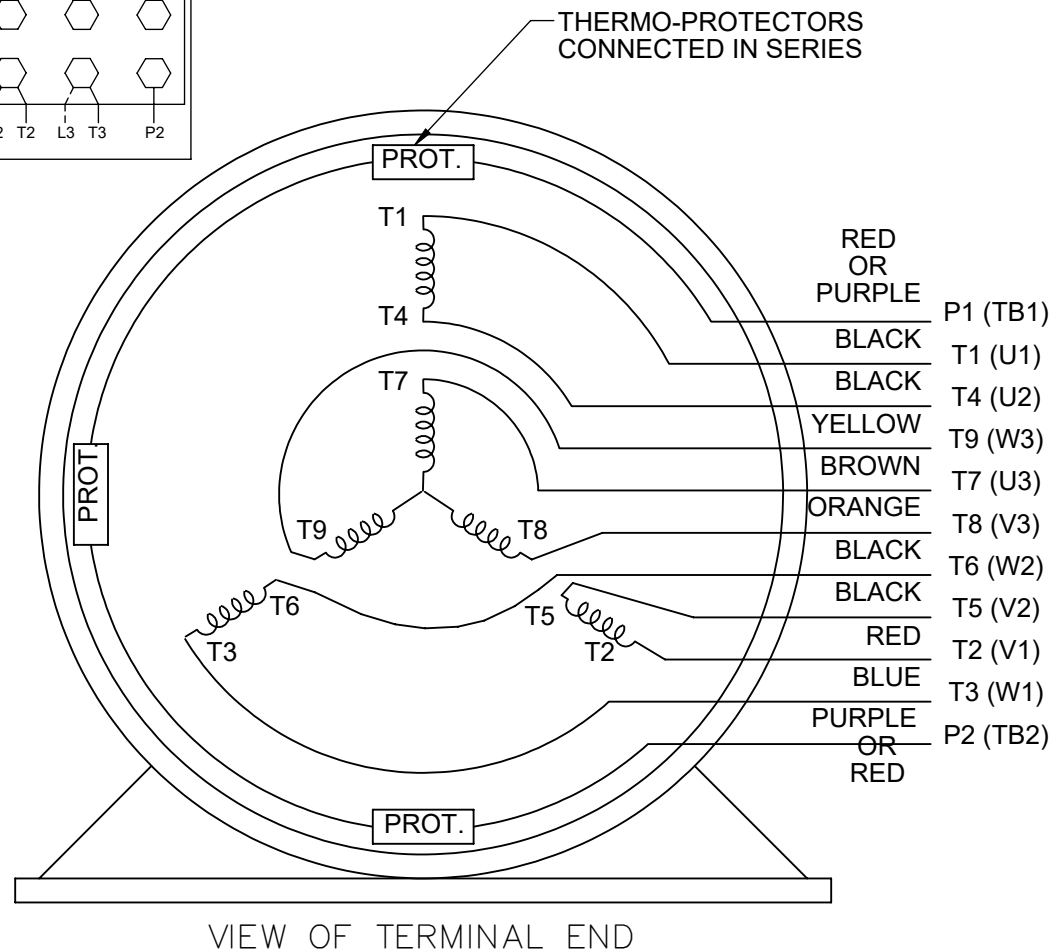


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR



NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR IMG PLANT

DRAWING REVISION U	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 SMC	DATE 05-13-1992
APPROVED BY TB	DATE 05-13-1992
REFERENCE EE7308/EE7300	THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - DUAL VOLTAGE MOTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308T	SHEET 1 OF 1

