

Crop Dryer Motors

Model No: 184TTDBD6014

Catalog No: B131850

Crop Dryer Motor, 7.50 & 10 HP, 3 Ph, 60 & 60 Hz, 230/460 & 230/460 V, 3600 RPM, 184TZ Frame,
DPAO

Product Information Packet: Model No: 184TTDBD6014, Catalog No: B131850 Crop Dryer Motor, 7.50 & 10 HP, 3 Ph, 60 & 60 Hz, 230/460 & 230/460 V, 3600 RPM, 184TZ Frame, DPAO

Nameplate Specifications

Phase	3	Output HP	7.50 & 10 Hp
Output KW	5.6 & 7.5 kW	Voltage	230/460 & 230/460 V
Speed	3510 & 3510 r/min	Synchronous RPM	3600 & 3600 r/min
Service Factor	1.0 & 1.0	Frame	184TZ
Enclosure	Drip Proof Air Over	Thermal Protection	Thermostat
Efficiency	88.5 & 86.5 %	Ambient Temperature	40 °C
Frequency	60 & 60 Hz	Current	17.8/8.9 & 23.6/11.8 A
Power Factor	89	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	22	Number of Speeds	1

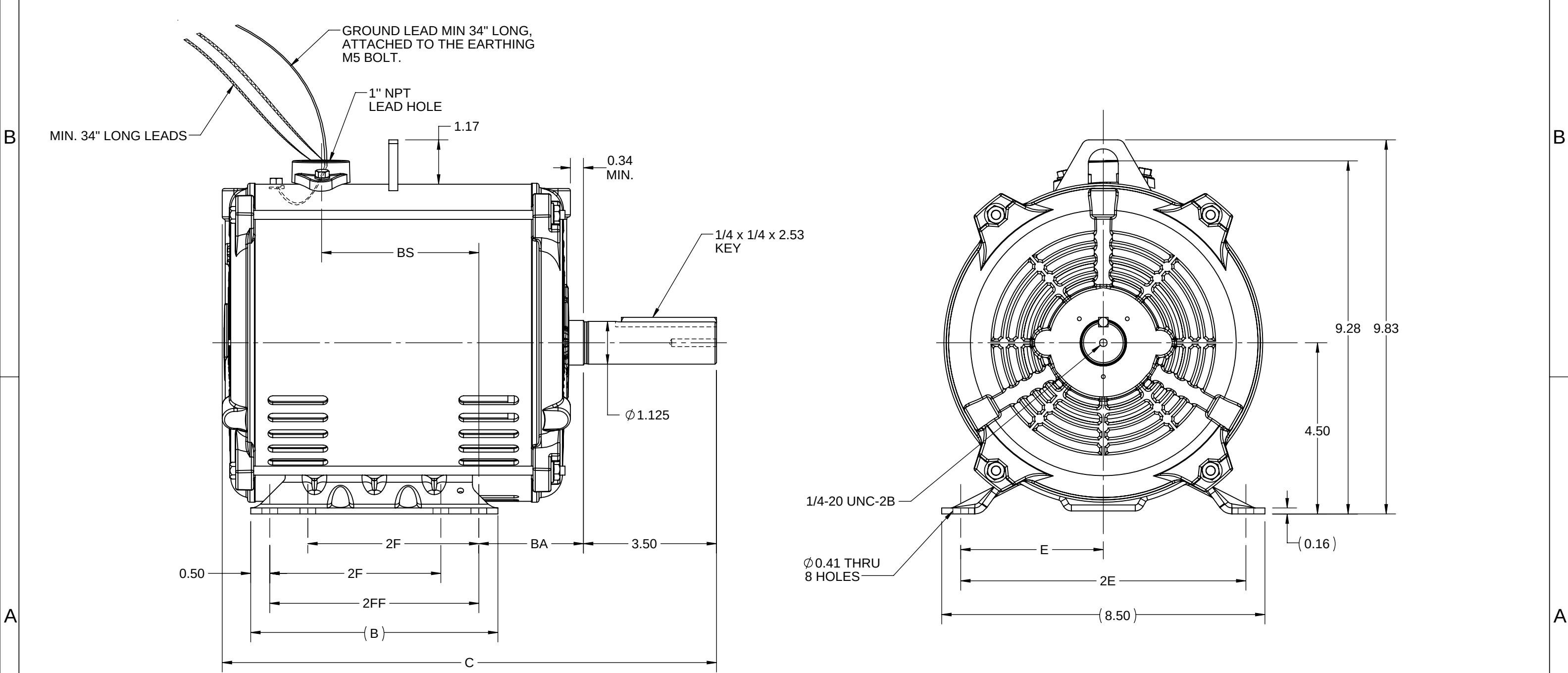
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	2.455 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Shaft Diameter	1.125 in
Assembly/Box Mounting	F3	Inverter Load	Constant 2:1/Variable 10:1

Drawings

Connection Drawing	EE7308T	Outline Drawing	SS600240-200
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4				3				2			1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	6.50	13.00	3.75	7.50	4.50	5.50	2.75	4.15	F3	182TZ	
200		14.00						5.15		184TZ	

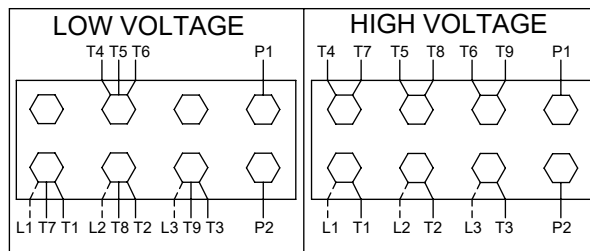
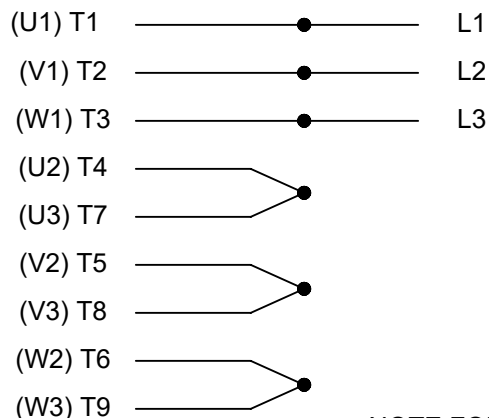


DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 05/21/2026
REQUEST NUMBER CR-0026353	APPROVED BY RMS	DATE 05/21/2026
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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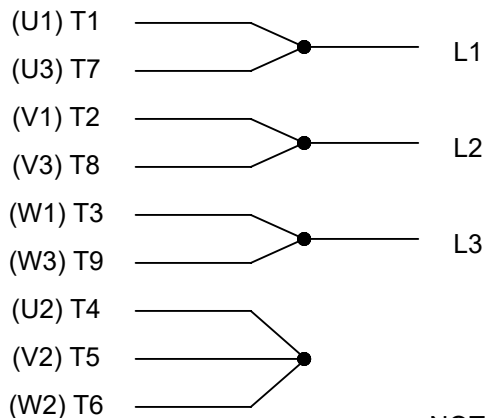
DRAWN BY MSH	marathon™		
DATE 30/04/2020			
APPROVED BY MSH	DESCRIPTION OUTLINE		
DATE 30/04/2020	182/184TZ FR ODP RS-CROP DRYER		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS600240	SHEET 1 OF 1

HIGH VOLTAGE

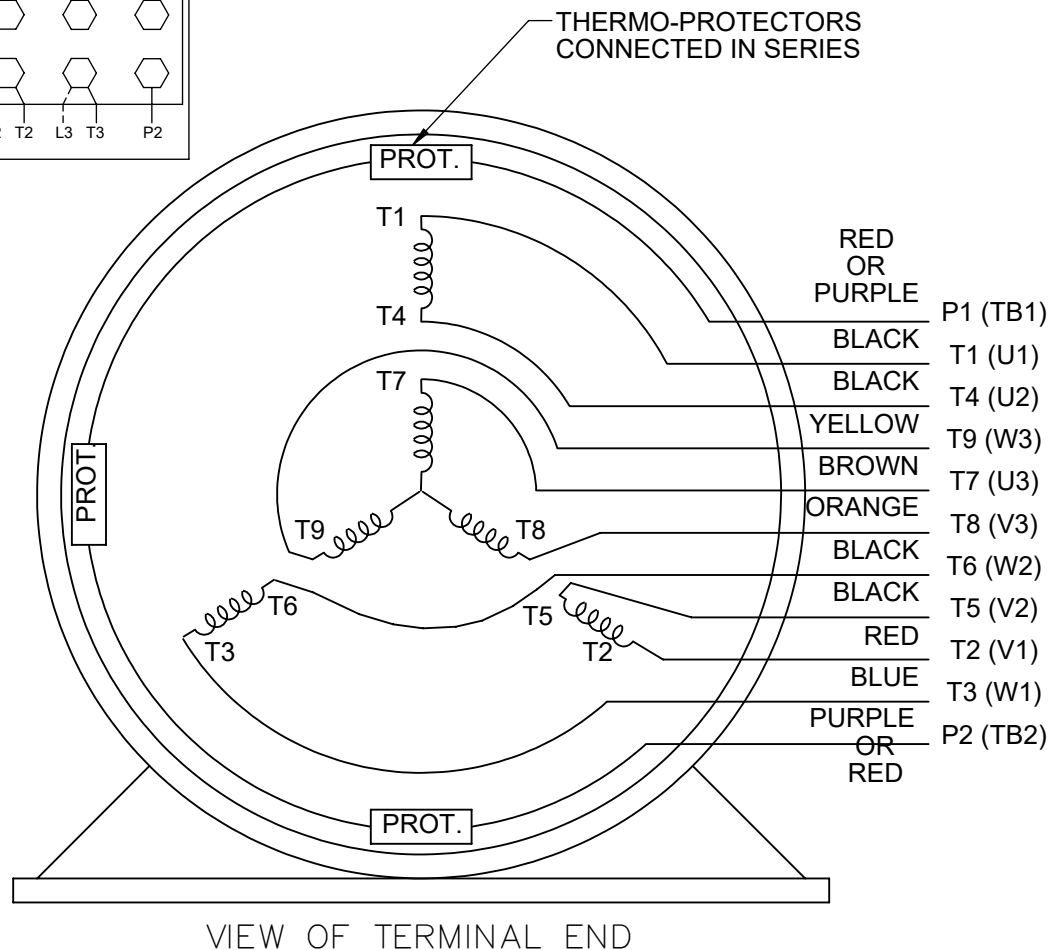


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

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