marathon®

General Purpose Motors

Model No: 254TTFHD6101
Catalog No: GT75107

General Purpose Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 254T Frame, TEFC

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Product Information Packet: Model No: 254TTFHD6101, Catalog No: GT75107 General Purpose Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 254T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**230/460 V**
Speed	**880 r/min**	Synchronous RPM	**900 r/min**
Service Factor	**1.0**	Frame	**254T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**86.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**14.2/7.1 A**
Power Factor	**72**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**INV**
KVA Code	**J**	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

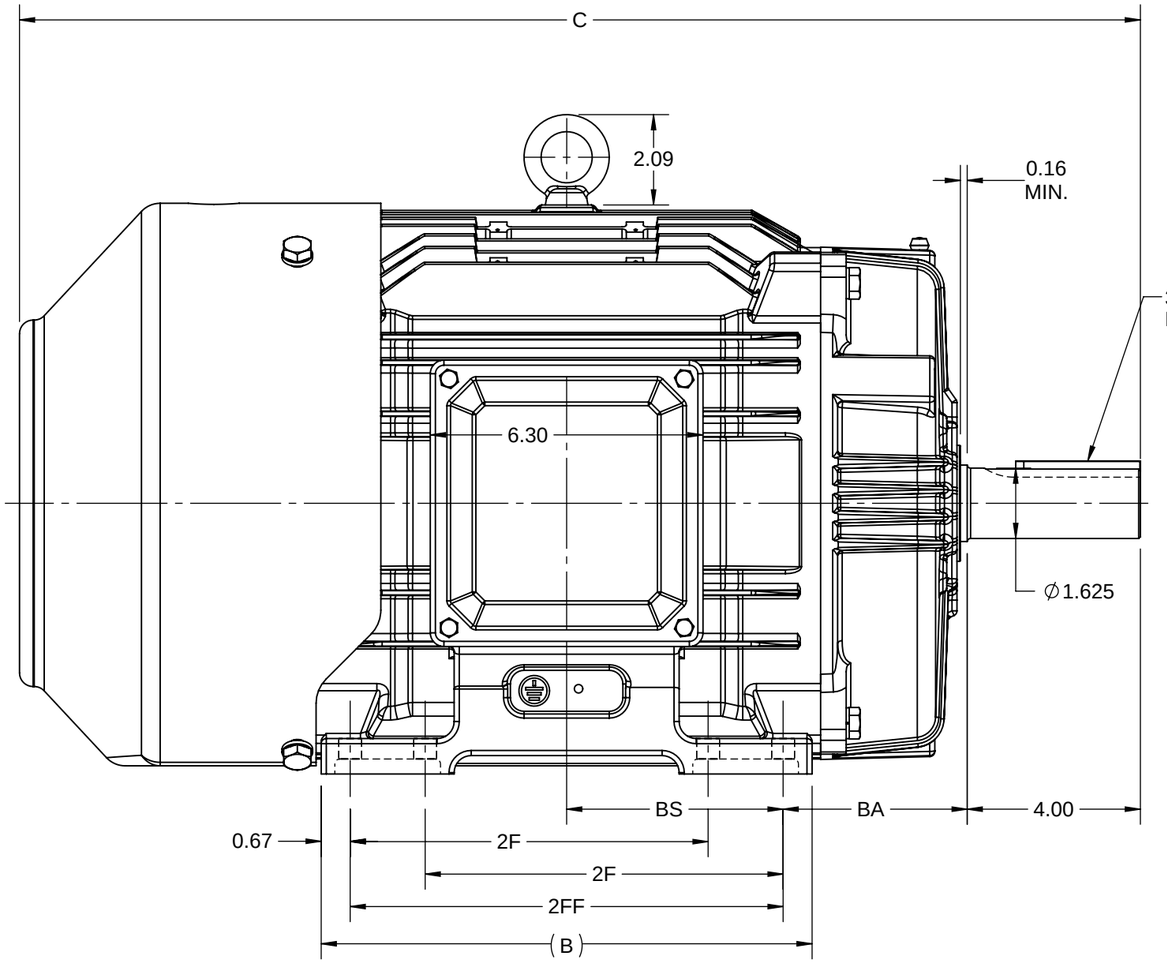
Electrical Type	**Squirrel Cage Inverter Duty**	Starting Method	**Inverter Only**
Poles	**8**	Rotation	**Reversible**
Resistance Main	**2.4348 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Aluminum**
Shaft Type	**T**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 4:1**		

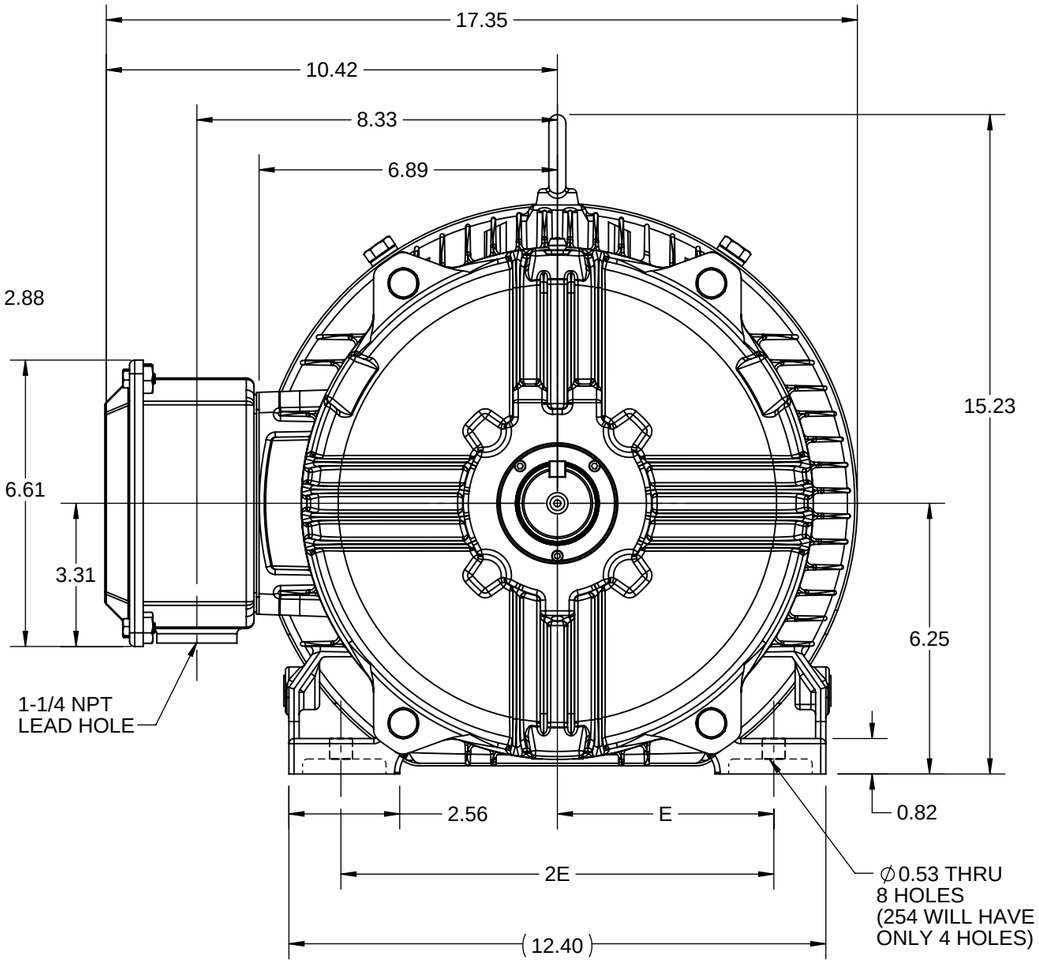
Drawings

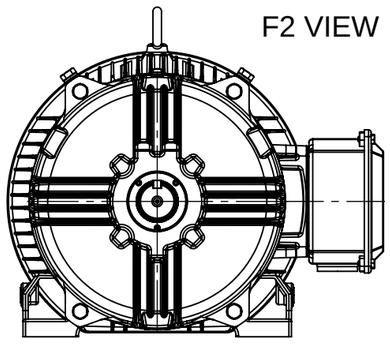
Connection Drawing	**EE7308**	Outline Drawing	**SS621313-100**

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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	9.60	24.15	5.00	10.00	-	8.25	4.25	4.13	F1 OR F2	254T
200	11.34	25.89			8.25	10.00		5.00		254/256T







DRAWING REVISION: B	REVISION BY: SB	REV DATE/© DATE: 08/20/2026
REQUEST NUMBER: CR-0027408	APPROVED BY: RMS	DATE: 08/20/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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DRAWN BY: BS		marathon™
DATE: 21/07/2022		
APPROVED BY: GNK	DESCRIPTION: OUTLINE	
DATE: 21/07/2022	254/256T Fr NEMA, TEFC, RIGID, AL. FRAME	
REFERENCE: SS620703	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS621313	SHEET: 1 OF 1