

General Purpose Motors

Model No: 254TTFCD6005

Catalog No: GT1121A

General Purpose Motor, 15 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 254T Frame, TEFC

Product Information Packet: Model No: 254TTFC6005, Catalog No: GT1121A General Purpose Motor, 15 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 254T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	15 Hp
Output KW	11.2 kW	Voltage	575 V
Speed	3545 r/min	Synchronous RPM	3600 r/min
Service Factor	1.15	Frame	254T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	14.3 A
Power Factor	87	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6209	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

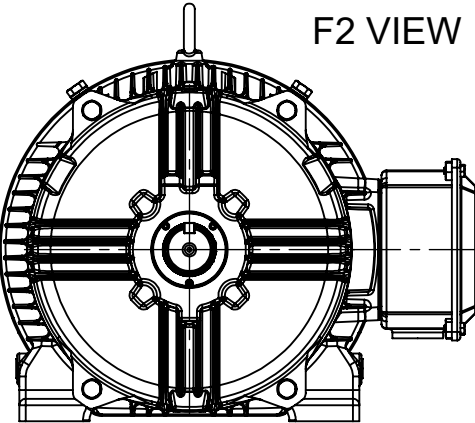
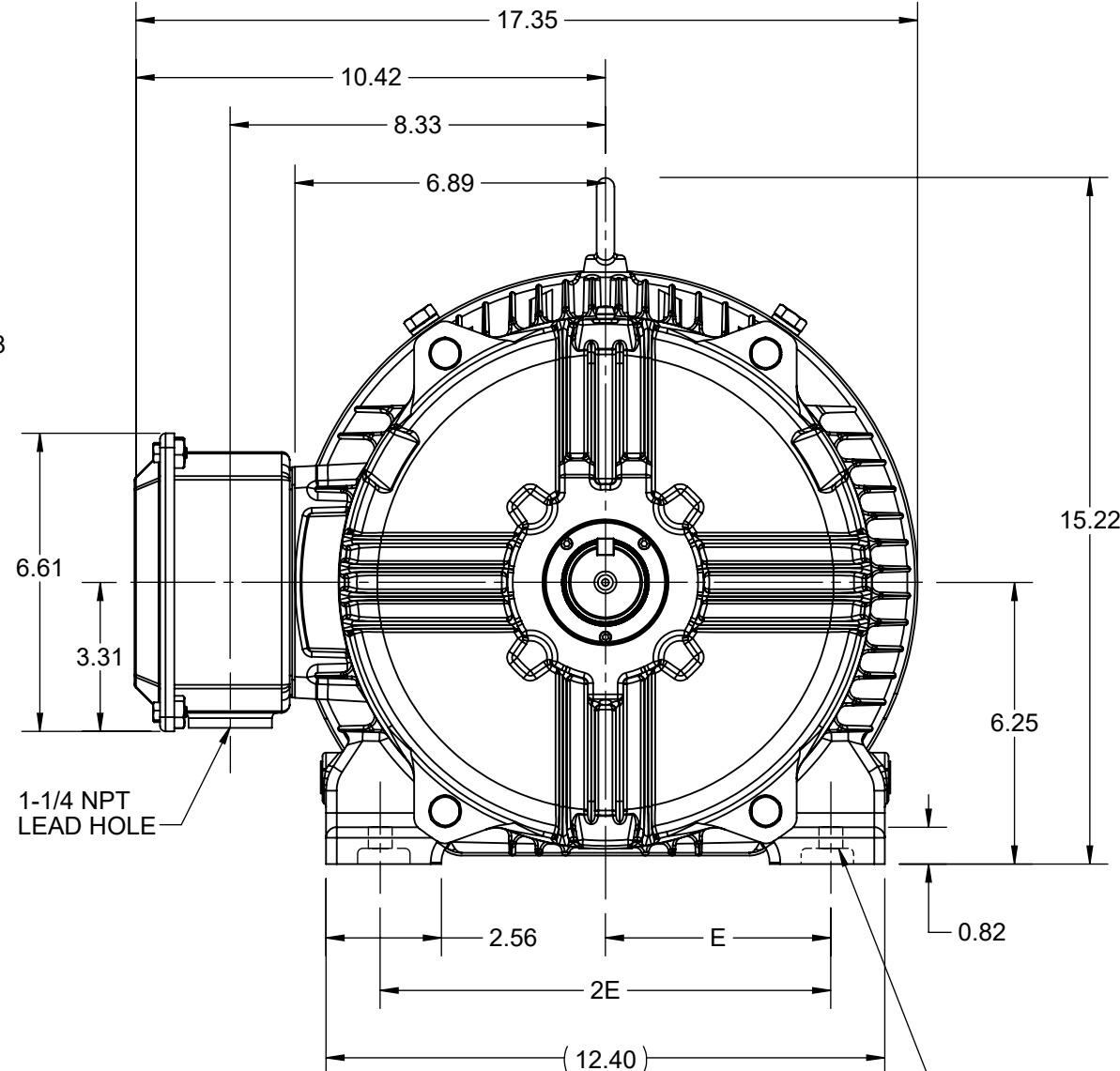
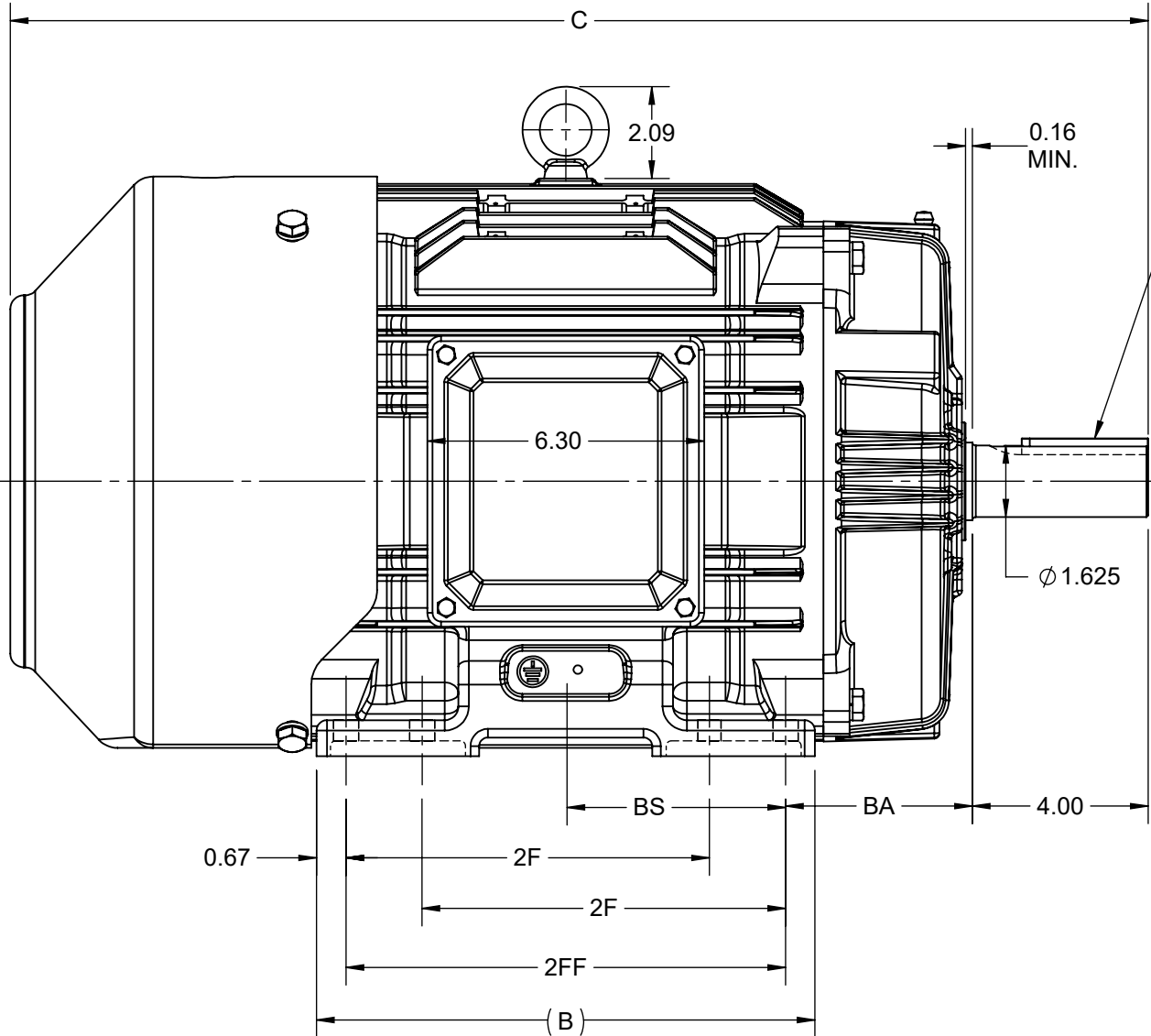
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.788 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	24.15 in
Frame Length	10.0 in	Shaft Diameter	1.626 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 2:1/Variable 10:1		

Drawings

Connection Drawing	EE7300	Outline Drawing	SS620703-100
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4					3						
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 E	REVISION BY SB	REV DATE/© DATE 07/22/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/22/2025
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DRAWN BY MR	marathon™		
DATE 4/5/2015			
APPROVED BY KRK	DESCRIPTION OUTLINE		
DATE 4/5/2015	254/256T FR-TEFC-CAST IRON		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS620703	SHEET 1 OF 1

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

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1)

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

T3(W1)

L3

IF MOTOR HAS 6 LEADS

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

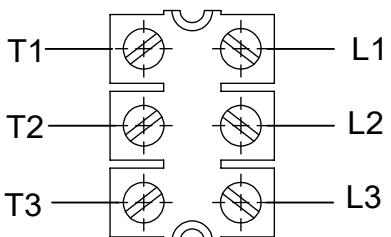
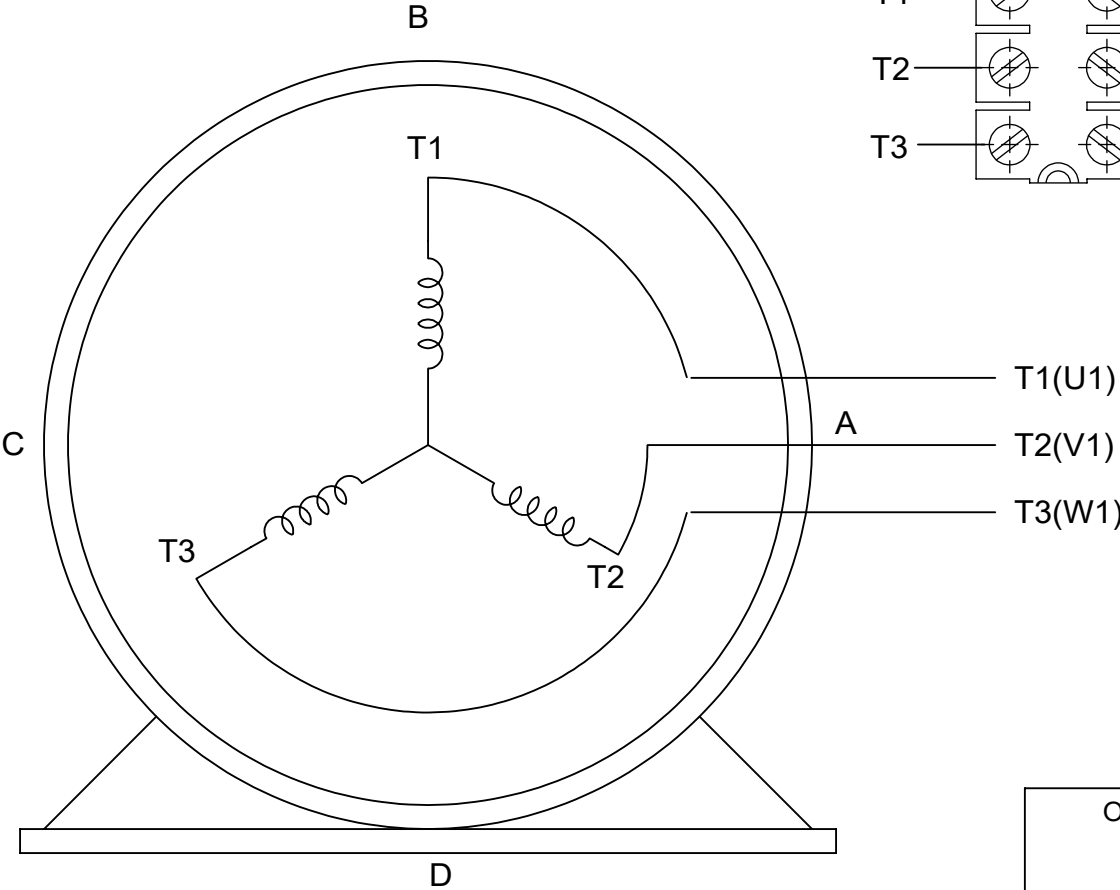
L2

T3(W1)

T3(W1)

L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AD	REVISION BY SB	REV DATE/© DATE 08/01/2025
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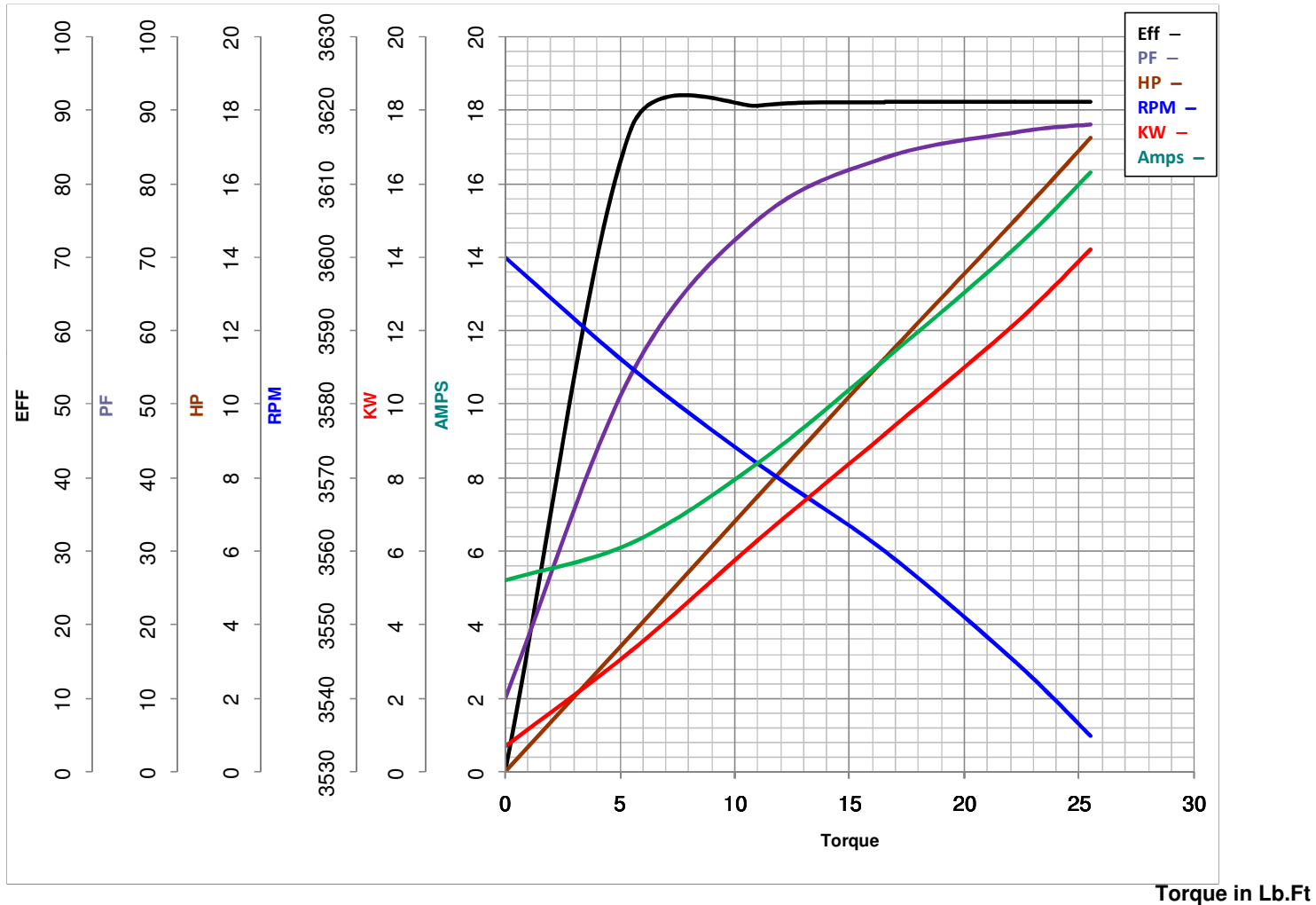
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**575**Volts****HP** 15.00**PHASE** 3**Model No** 254TTFCD600560**HZ****VOLTS** 57515**HP****Catalog No** GT1121A**HZ** 60**RPM** 3545**FL TORQUE** 22.2 **Lb.Ft****BD TORQUE** 60.0 **Lb.Ft****LR TORQUE** 37 **Lb.Ft****FL AMPS** 14.3**PU TORQUE** 31.5 **Lb.Ft****LR AMPS** 91.2**WINDING** HE31602008-3**Prepared By**

ANUSHA M

Date

5/4/2018