

General Purpose Motors

Model No: 256TTFCD6005

Catalog No: GT1124A

General Purpose Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 256T Frame, TEFC

Product Information Packet: Model No: 256TTFC6005, Catalog No: GT1124A General Purpose Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 256T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	20 Hp
Output KW	14.9 kW	Voltage	575 V
Speed	3540 r/min	Synchronous RPM	3600 r/min
Service Factor	1.15	Frame	256T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	18.8 A
Power Factor	88	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		

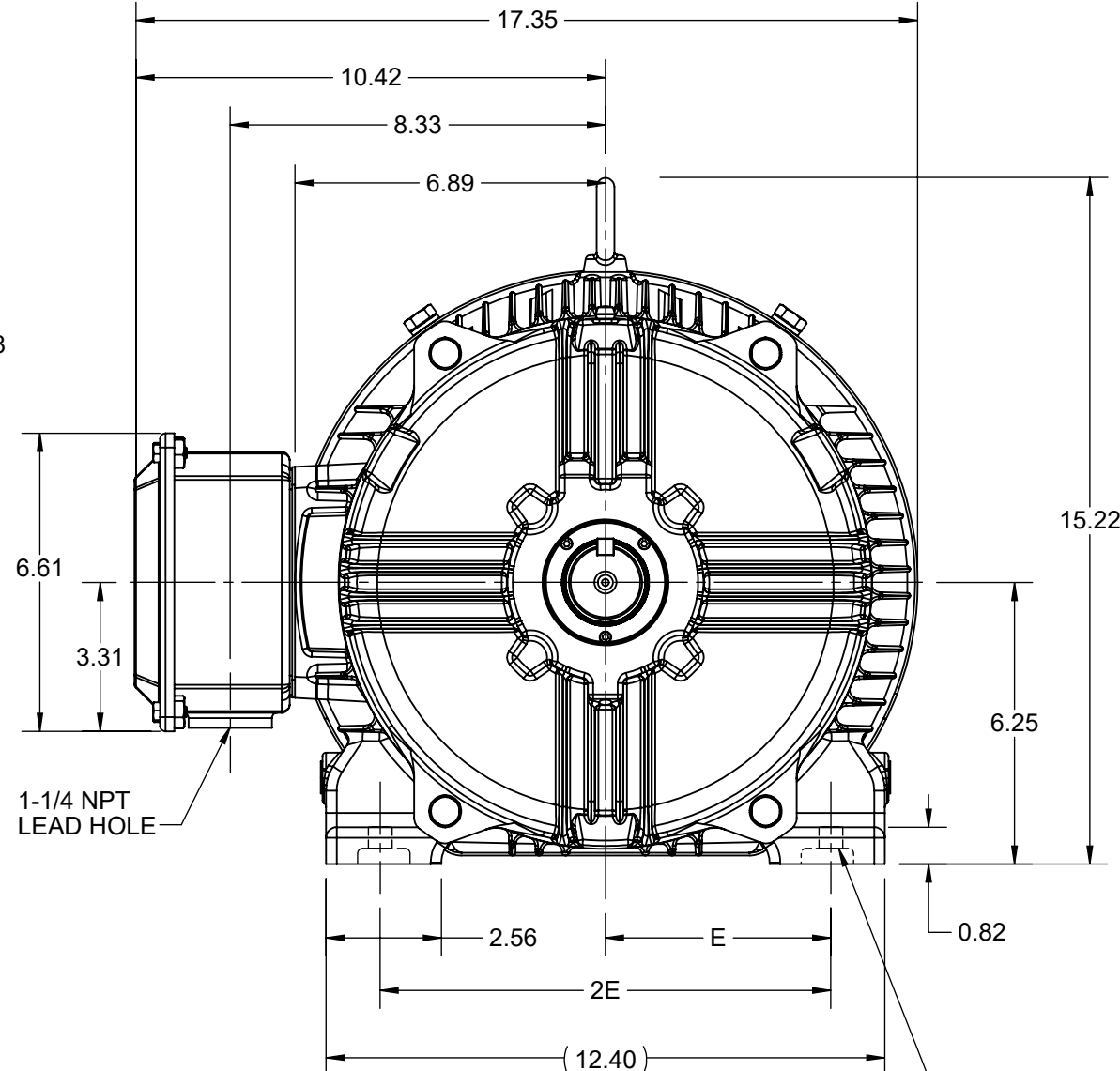
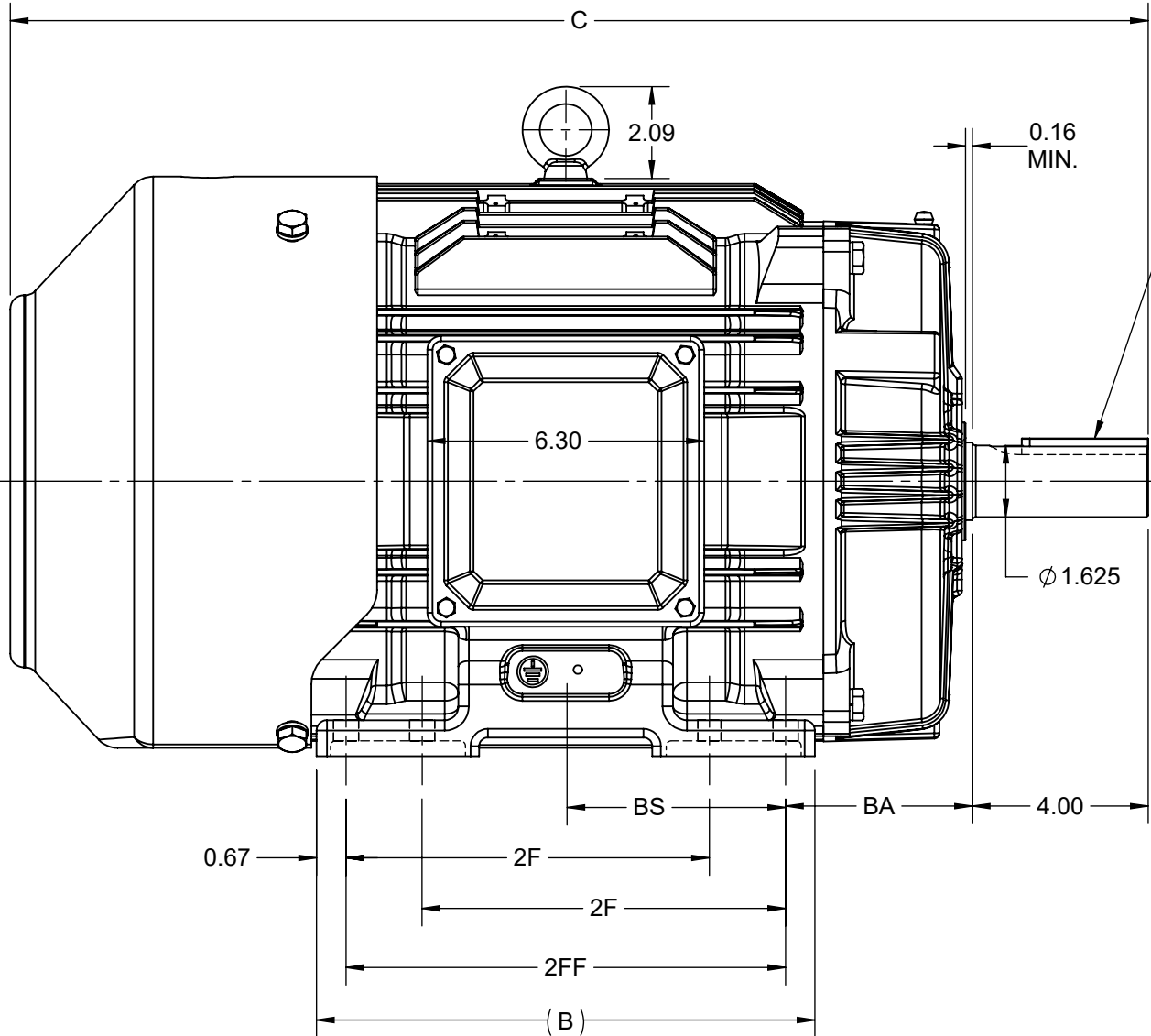
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.561 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	25.89 in
Frame Length	11.73 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	SS620703-200
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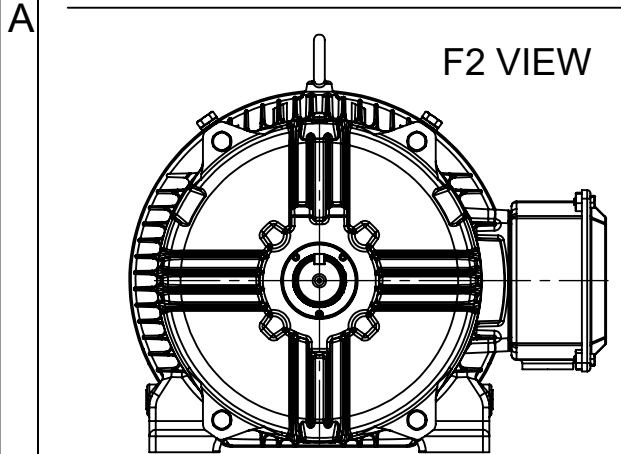
4					3						2	1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME		
100	9.60	24.15	5.00	10.00	-	8.25	4.25	4.13	F1 OR F2	254T		
200	11.34	25.89			8.25	10.00		5.00		254/256T		



3/8 x 3/8 x 2.88 KEY

1-1/4 NPT LEAD HOLE

Ø0.53 THRU 8 HOLES (254 WILL HAVE ONLY 4 HOLES)



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

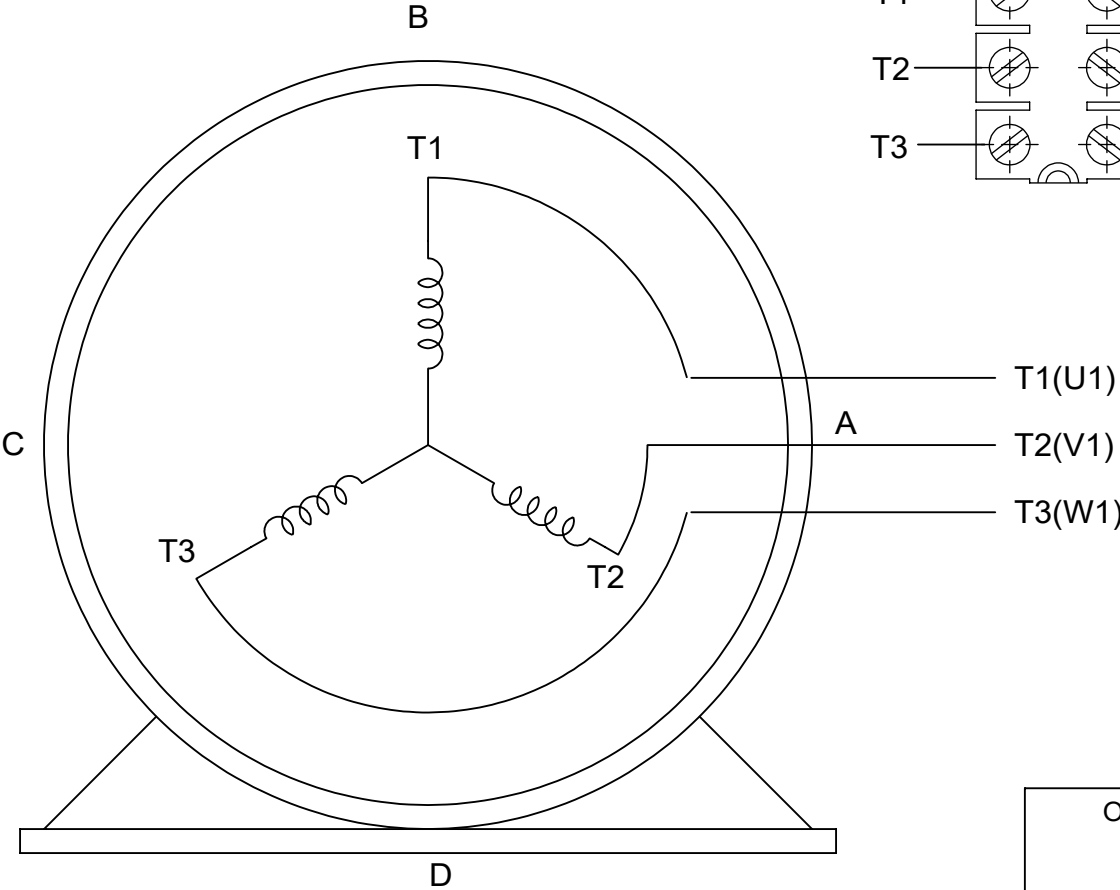
IF MOTOR HAS 6 LEADS

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

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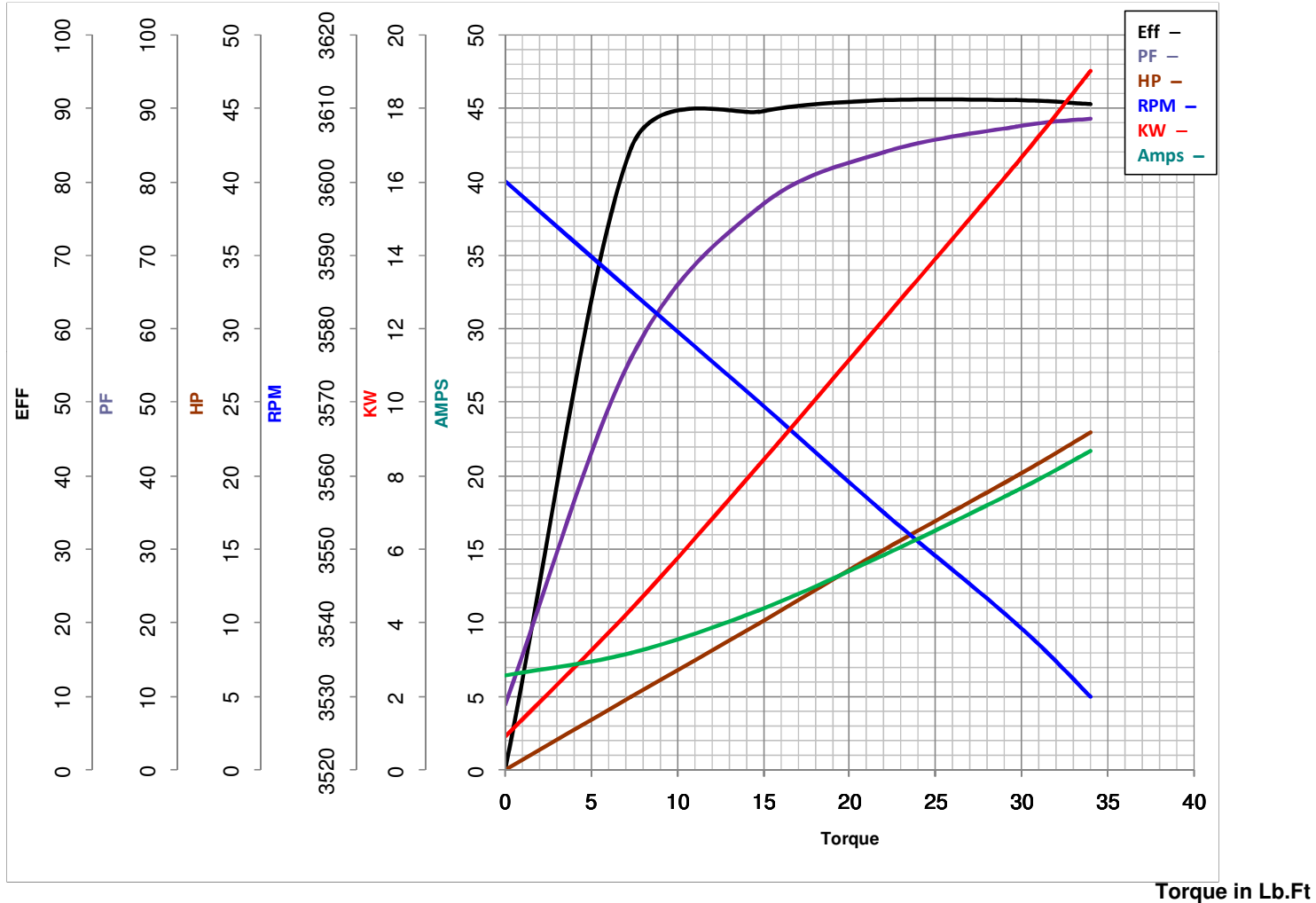
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DRAWN BY DA	DATE 03-26-1993
APPROVED BY TB	
DATE 03-26-1993	REFERENCE
THIRD ANGLE PROJECTION	

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** 20.00**PHASE** 3**Model No** 256TTFCD600560**HZ****VOLTS** 57520**HP****Catalog No** GT1124A**HZ** 60**RPM** 3540

Torque in Lb.Ft

FL TORQUE 29.7 **Lb.Ft****BD TORQUE** 74.0 **Lb.Ft****LR TORQUE** 49 **Lb.Ft****FL AMPS** 19**PU TORQUE** 41.0 **Lb.Ft****LR AMPS** 114.4**WINDING** HE31602007-3**Prepared By**

ANUSHA M

Date

5/4/2018