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Close-Coupled Pump Motors

Model No: 256TTFCD6008
Catalog No: GT3224A

Close-Coupled Pump Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 256JM Frame, TEFC

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Product Information Packet: Model No: 256TTFCD6008, Catalog No: GT3224A Close-Coupled Pump Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 256JM 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	**256JM**
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

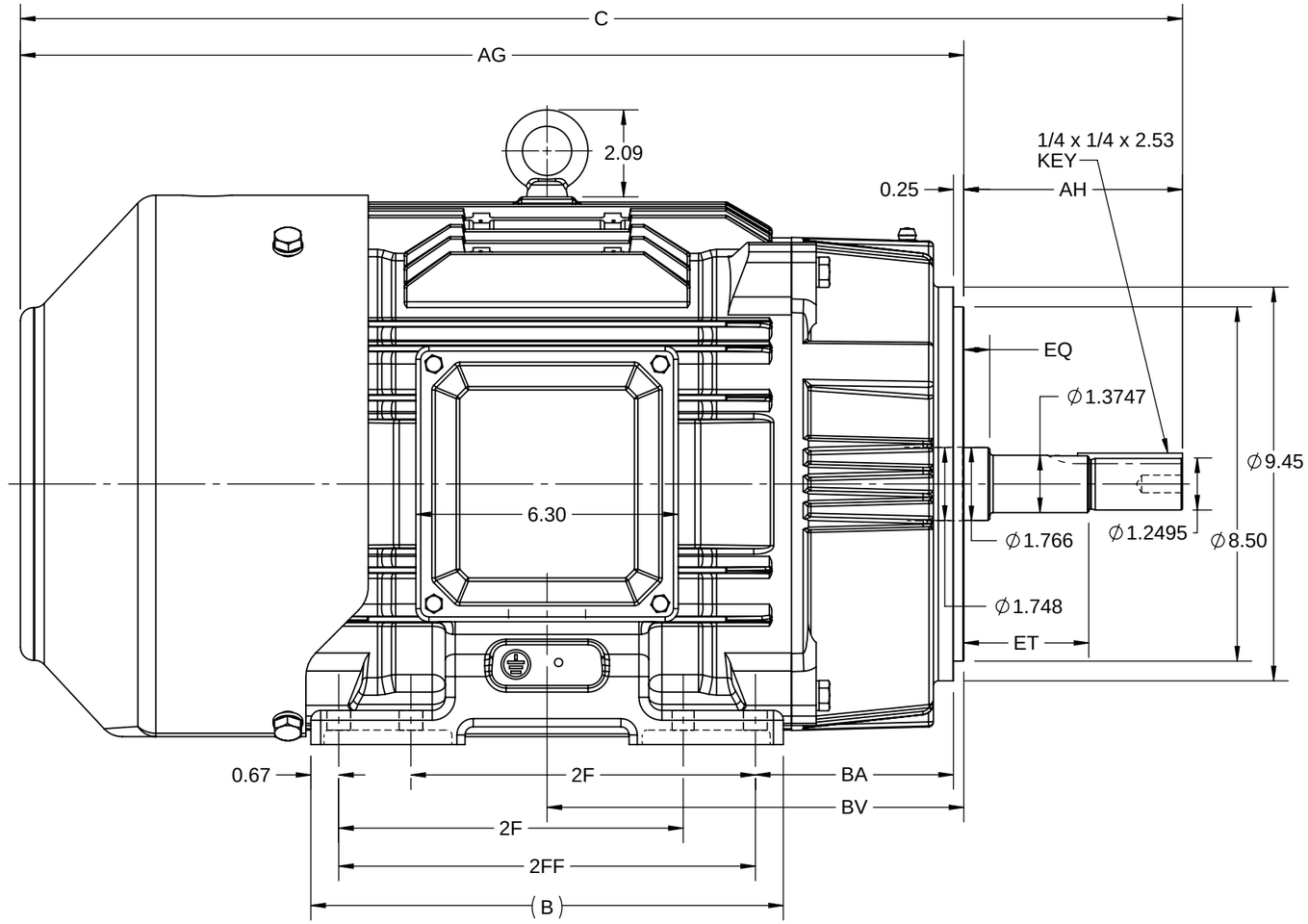
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.561 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**JM**	Overall Length	**27.89 in**
Frame Length	**11.73 in**	Shaft Diameter	**1.375 in**
Shaft Extension	**5.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

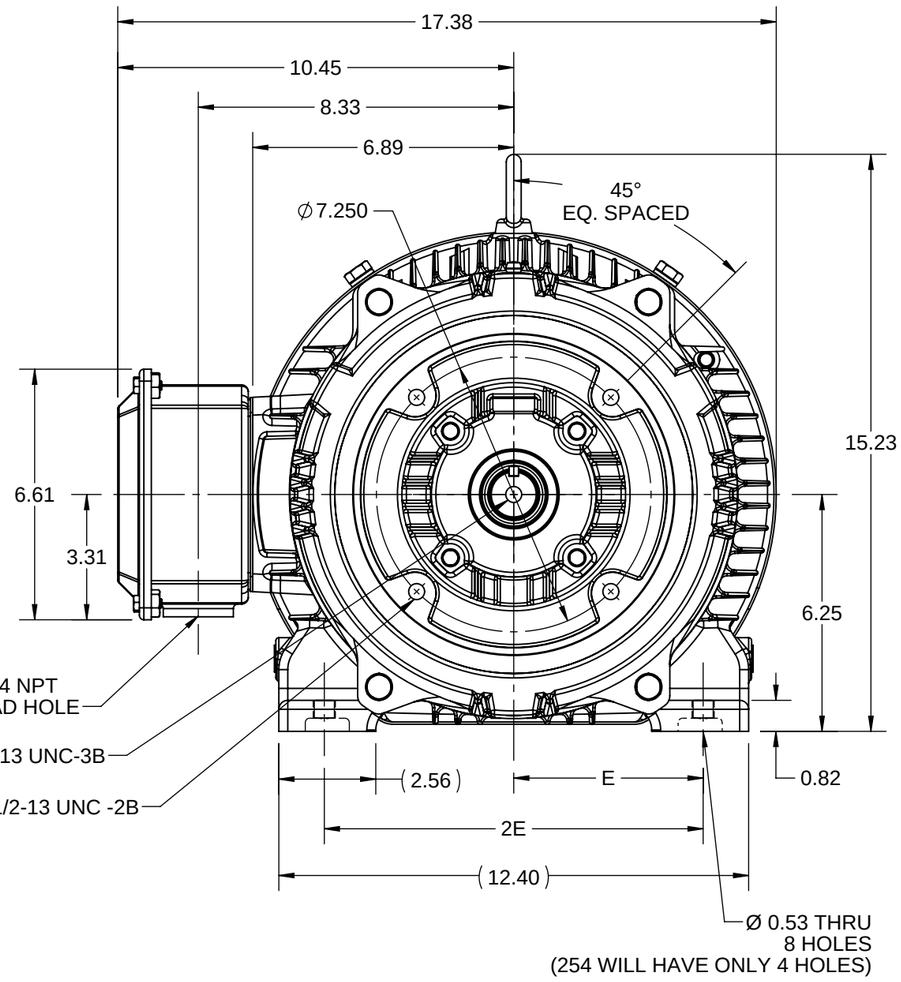
Drawings

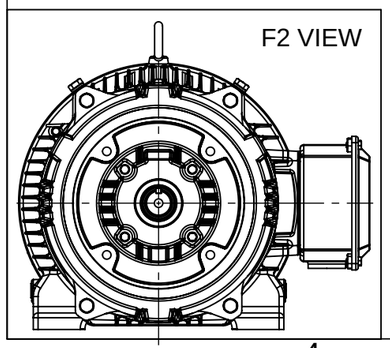
Connection Drawing	**EE7300**	Outline Drawing	**SS620795-200**

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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	EQ	ET	MOUNTING	FRAME
100	9.60	26.16	5.00	10.00	---	8.25	20.91	5.25	4.75	9.75	0.62	2.99	F1 OR F2	254JM
200	11.34	27.89			8.25	10.00	22.64			10.50				254/256JM







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	05/26/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026396	RMS	05/26/2026

REQUEST NUMBER DESCRIPTION
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THIRD ANGLE PROJECTION	

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DESCRIPTION
OUTLINE
TEFC-254/256 JM FR--CAST IRON

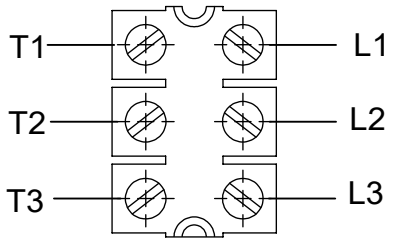
MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	SS620795	1 OF 1

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

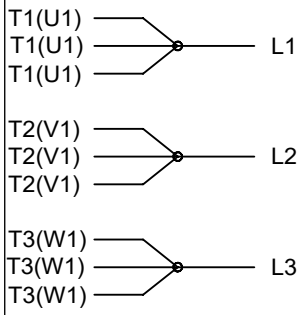
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

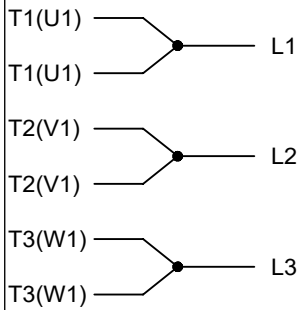


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AD	REVISION BY: SB	REV DATE/© DATE: 08/01/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025

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

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DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

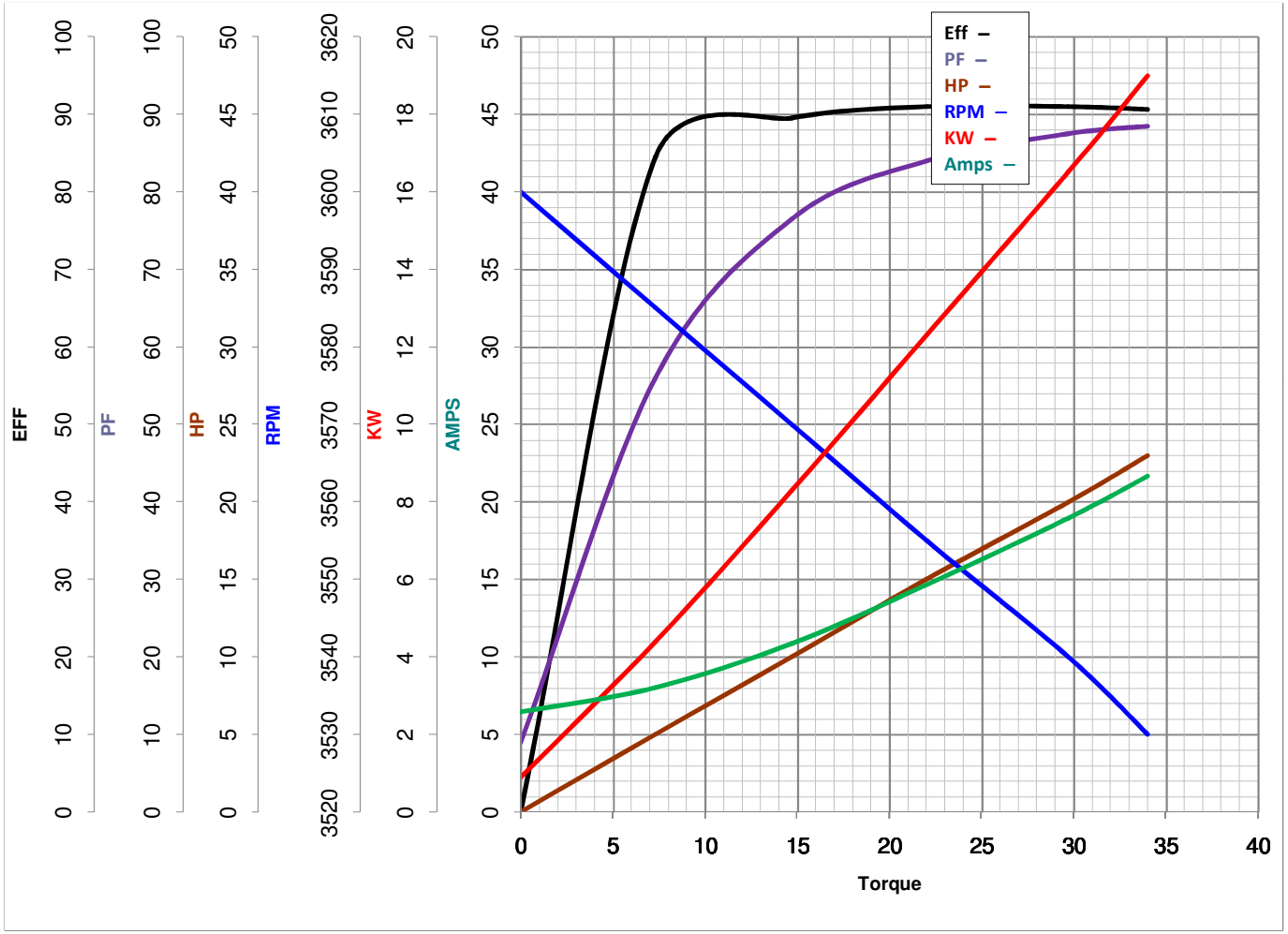
SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer		**Curve at**	575	**Volts**	**HP** 20.00	**PHASE**	3
			60	**HZ**			
Model No 256TTFCD6008			20	**HP**	**VOLTS** 575		
Catalog No GT3224A					**HZ** 60	**RPM**	3540



Torque in Lb.Ft

FL TORQUE	29.7	**Lb.Ft**	**FL AMPS**	19	
BD TORQUE	74.0	**Lb.Ft**	**PU TORQUE**	41.0	**Lb.Ft**
LR TORQUE	49	**Lb.Ft**	**LR AMPS**	114.4	
WINDING	HE31602007-3	**Prepared By**	FAREEDA	**Date**	5/4/2018