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Close-Coupled Pump Motors

Model No: 256TTDBD6038
Catalog No: GT2562

Close-Coupled Pump Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 256JP Frame, DP

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Product Information Packet: Model No: 256TTDBD6038, Catalog No: GT2562 Close-Coupled Pump Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 256JP Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**20 Hp**
Output KW	**14.9 kW**	Voltage	**575 V**
Speed	**1770 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**256JP**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**93 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**19.5 A**
Power Factor	**83.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

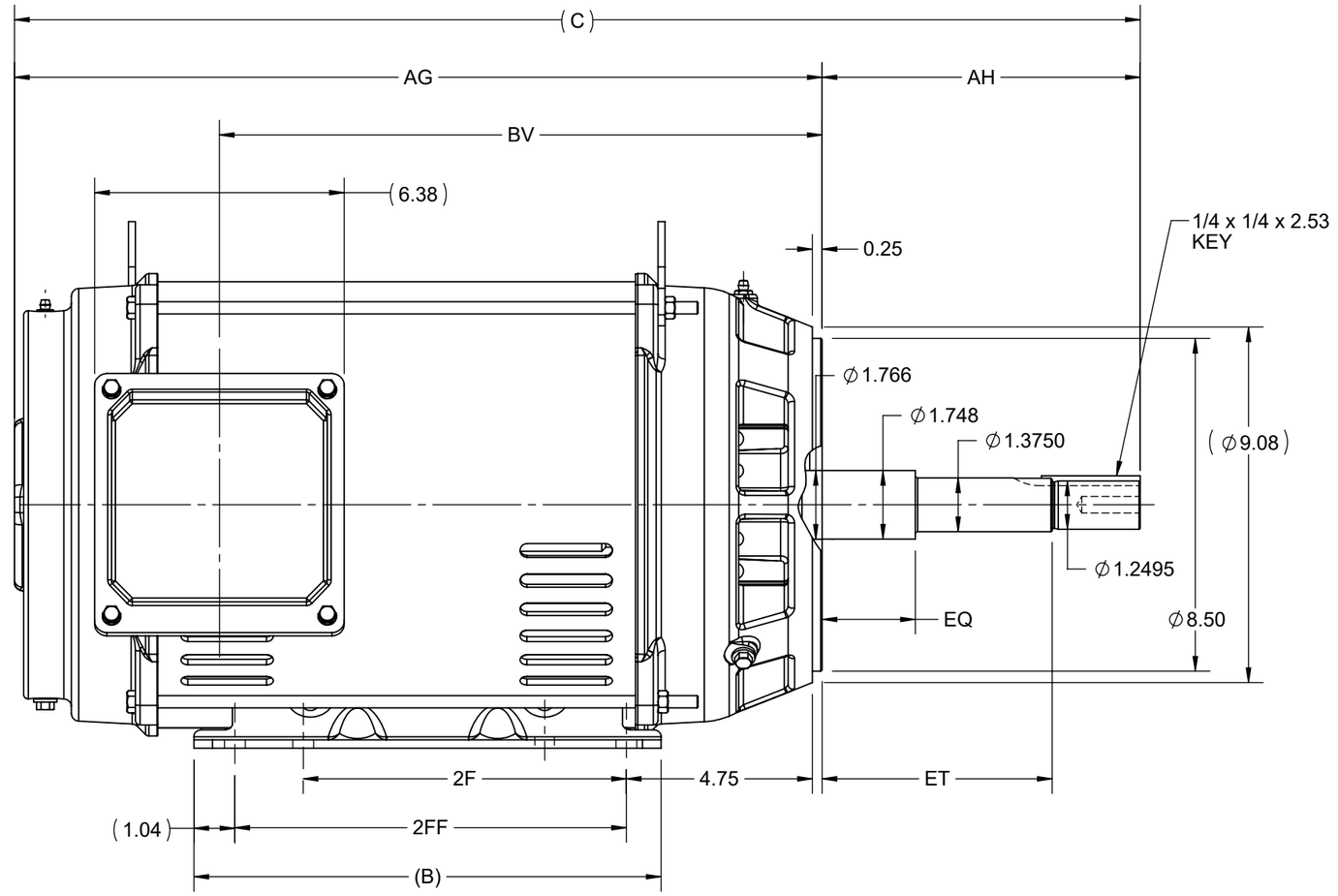
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.51 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Overall Length	**28.9 in**
Frame Length	**12.2 in**	Shaft Diameter	**1.249 in**
Shaft Extension	**8.41 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

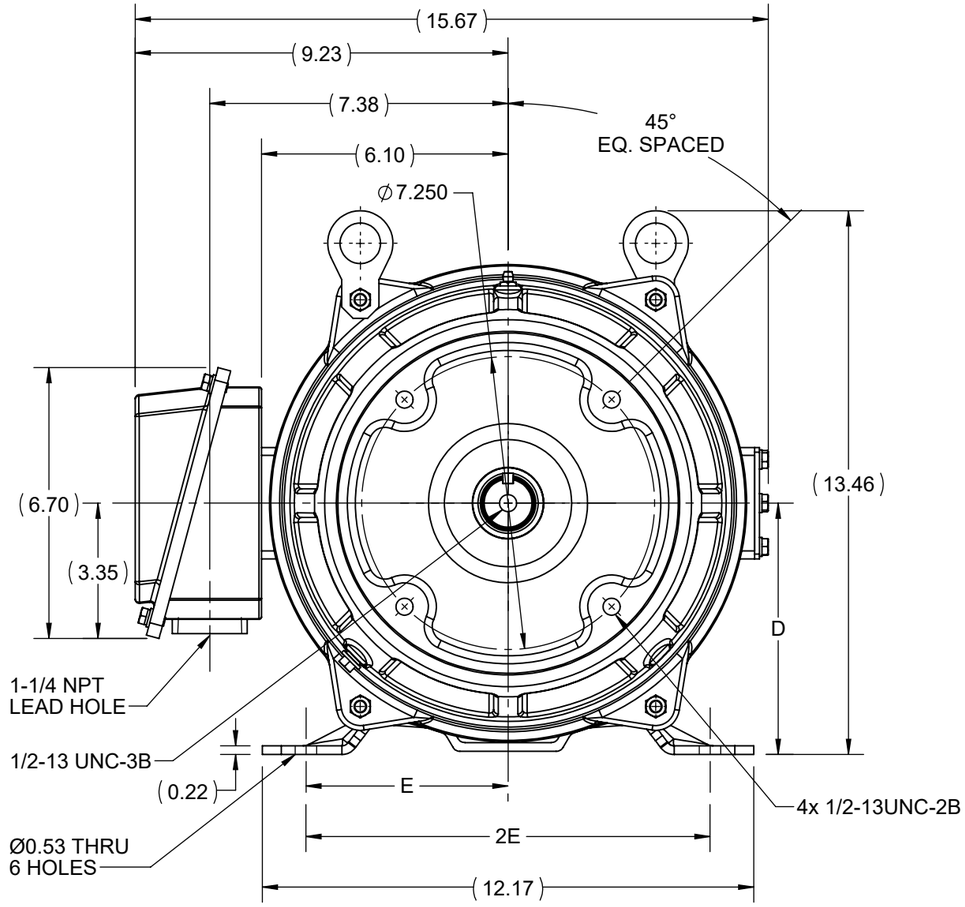
Drawings

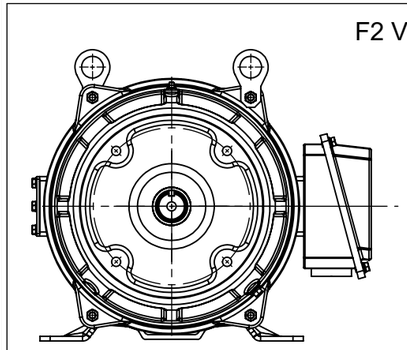
Connection Drawing	**EE7300**	Outline Drawing	**SS620825-200**

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DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	11.93	27.18	6.25	5.00	10.00	8.25	10.00	19.06	8.122	13.82	2.38	5.87	F1 OR F2	254JP
200		28.76						20.63		15.40				254/256JP







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	VS	07/10/2025
REQUEST NUMBER	APPROVED BY	DATE
NMR-0237981	VS	07/10/2025

REQUEST NUMBER DESCRIPTION
F2 MOUNTING PLATE ADDED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	ZXW
DATE	25/02/2016
APPROVED BY	WY
DATE	25/02/2016
REFERENCE	

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DESCRIPTION
OUTLINE
254/256JP FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

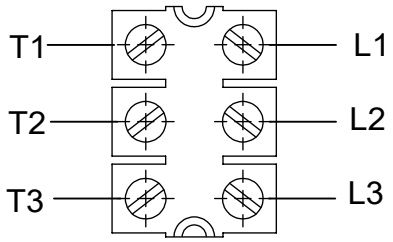
THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS620825	1 OF 1

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

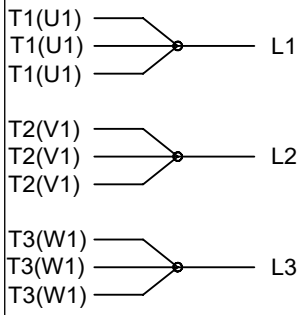
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

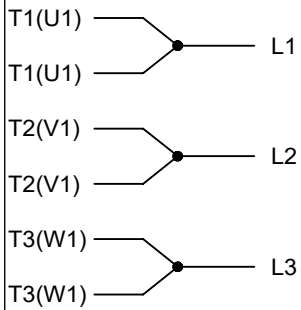


VIEW OF TERMINAL END

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

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: DA	
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

Data Sheet

Date: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

256TTDBD6038

Submittal

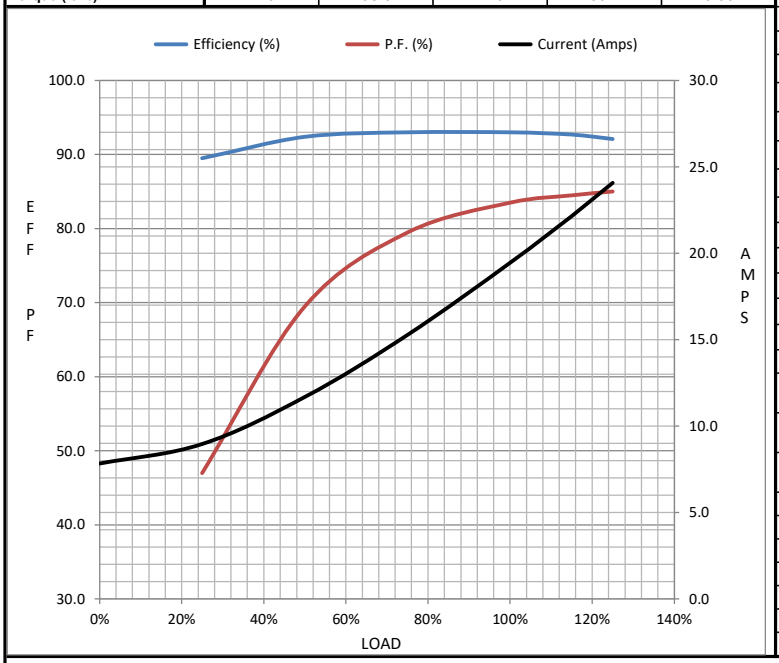
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.8	9.0	11.7	15.3	19.4	22.2	24.1	116	
Torque (ft-lb)	0.00	14.5	29.5	44.3	59.4	68.4	74.5	120	
RPM	1800	1793	1785	1778	1770	1,765	1762	0	
Efficiency (%)		89.5	92.4	93.0	93.0	92.7	92.1		
P.F. (%)	5.0	47.0	69.5	79.5	83.5	84.5	85.0	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1628	1770	1800
Current (Amps)	116	103	65.6	19.4	7.8
Torque (ft-lb)	120	98.0	146	59.4	0.00



Information Block

HP	20.0	
Sync. RPM	1800	
Frame	256	
Enclosure	DP	
Construction	TDB	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	2.80	Lb-Ft²
Ref Wdg	HA31604020 NONE	
Sound Pressure @ 1M	74	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 20:1	
Outline Dwg	SS620825-200	
Conn. Diag	EE7300	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.5280	0.3000	1.6690	1.9300	42.6890

Speed -Torque Curve

