marathon®

Close-Coupled Pump Motors

Model No: 182TTDBD6008
Catalog No: GT0512A

Close-Coupled Pump Motor, 5 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 182JM Frame, DP

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Product Information Packet: Model No: 182TTDBD6008, Catalog No: GT0512A Close-Coupled Pump Motor, 5 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 182JM Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**575 V**
Speed	**3510 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**182JM**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**86.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**5.3 A**
Power Factor	**82**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**K**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

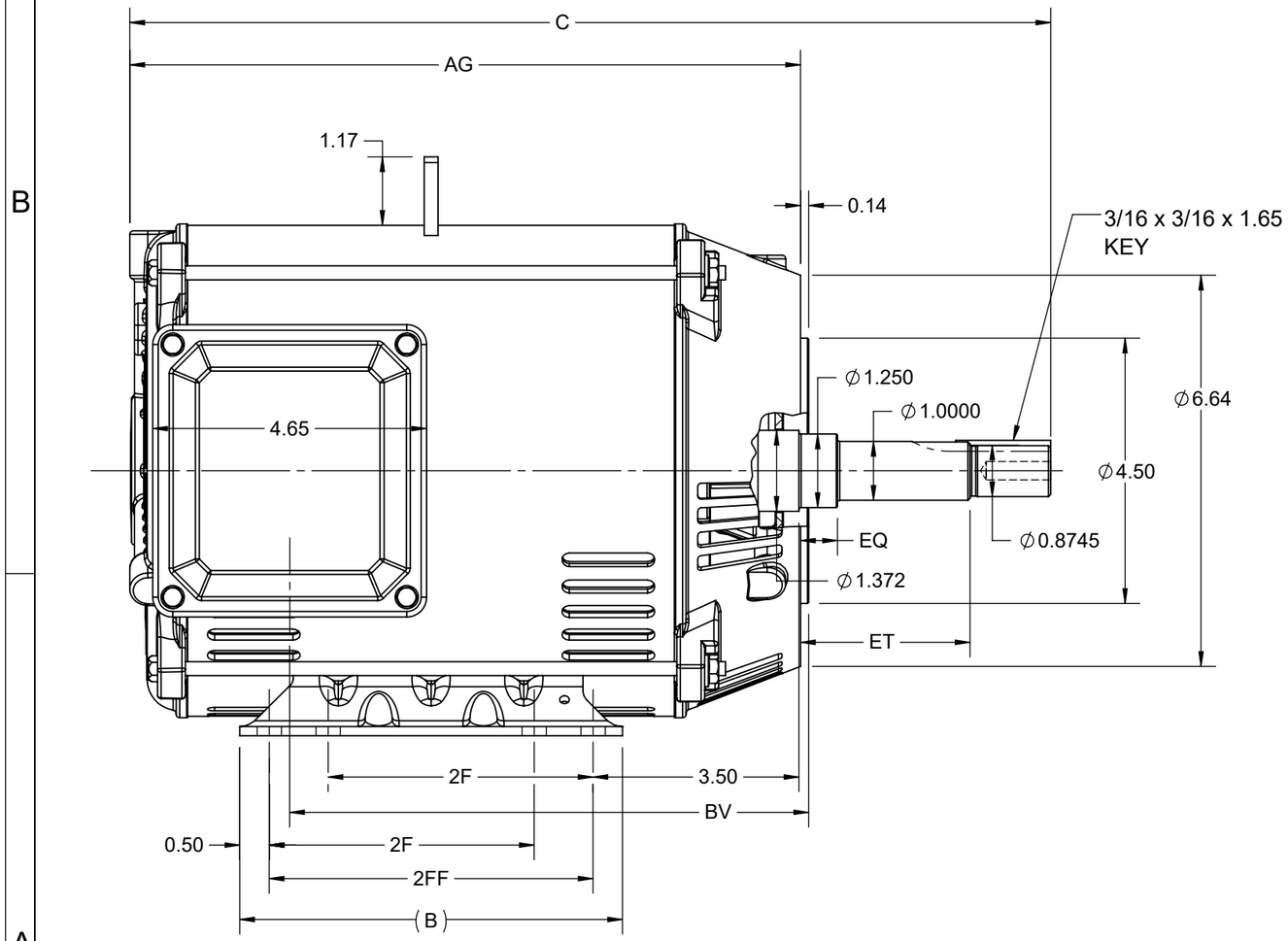
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**4.05 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Shaft Diameter	**0.874 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

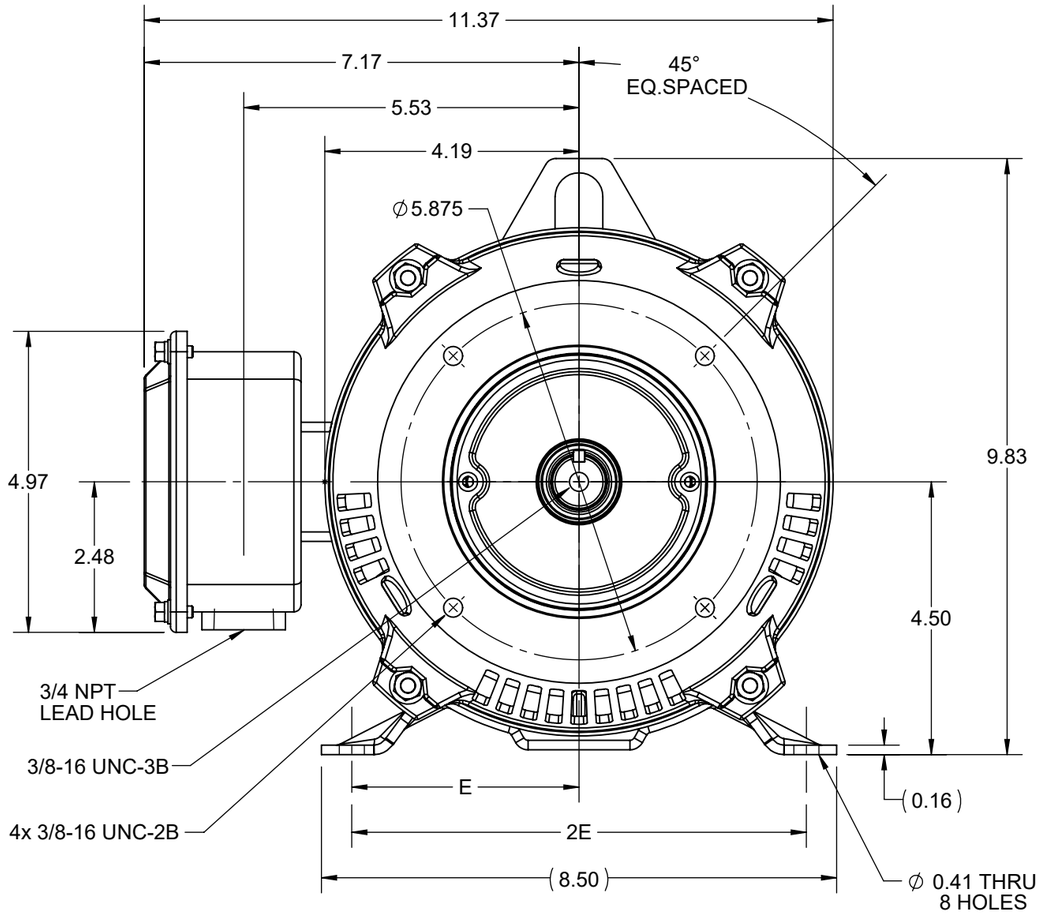
Drawings

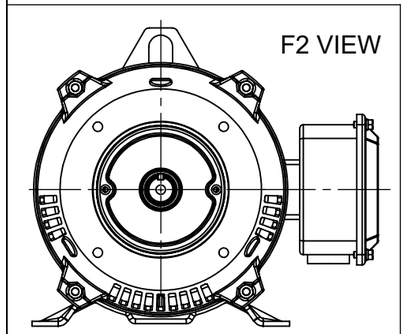
Connection Drawing	**EE7300**	Outline Drawing	**SS600204-100**

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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	6.50	14.64	3.75	7.50	4.50	5.50	10.39	4.25	8.81	0.62	2.87	F1 OR F2	182JM
200		15.64					11.39						184JM







DRAWING REVISION: C	REVISION BY: SB	REV DATE/© DATE: 08/11/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 08/11/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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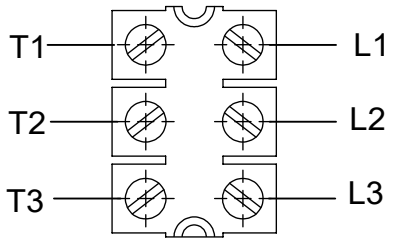
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: PRIYA	marathon™	
DATE: 12/03/2018	DESCRIPTION: OUTLINE 182/184JM FR-NEMA-ODP RS	
APPROVED BY: SBD		
DATE: 12/03/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600204	SHEET: 1 OF 1

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

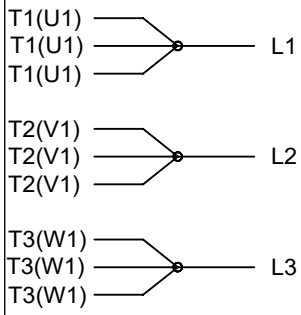
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

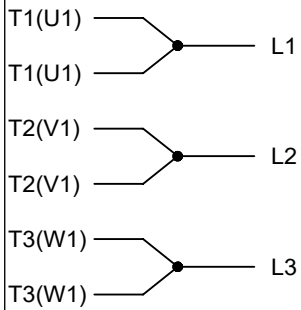


VIEW OF TERMINAL END

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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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	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

Data Sheet

Date: 12/1/2021
Customer:
Attention:
Submitted by:

marathon® Motors

182TTDBD6008

Submittal

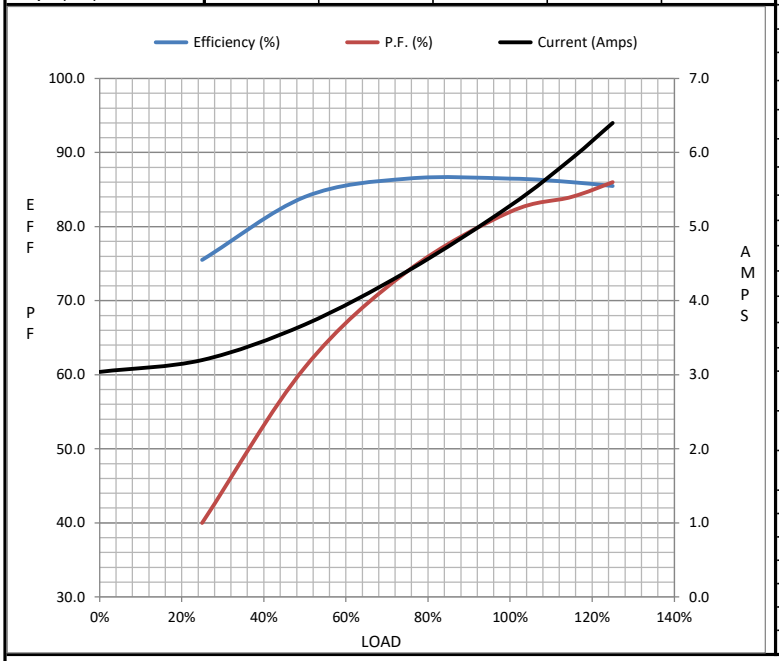
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.0	3.2	3.7	4.4	5.3	5.9	6.4	40.0	
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5	13.0	
RPM	3600	3575	3555	3535	3510	3,495	3485	0	
Efficiency (%)		75.5	84.0	86.5	86.5	86.0	85.5		
P.F. (%)	10.0	40.0	61.0	74.0	82.0	84.0	86.0	55.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2950	3510	3600
Current (Amps)	40.0	35.2	22.0	5.3	3.0
Torque (ft-lb)	13.0	10.0	22.0	7.5	0.00



Information Block

HP	5.0	
Sync. RPM	3600	
Frame	182	
Enclosure	DP	
Construction	TDB	
Voltage	575	V
Frequency	60	Hz
Design	A	
LR Code letter	K	
Service Factor	1.15	
Temp Rise @ FL	55	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.20	Lb-Ft²
Ref Wdg	HA31122024 NONE	
Sound Pressure @ 1M	55	dBA
VFD Rating	VARIABLE 20:1	
Outline Dwg	SS600204-100	
Conn. Diag	EE7300	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
3.4550	1.6390	6.8660	2.1260	119.9560

Speed -Torque Curve

