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Vertical Pump Motors

Model No: 445TTFN16091
Catalog No: M926B

Vertical Pump Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445HPV Frame, TEFC

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Product Information Packet: Model No: 445TTFN16091, Catalog No: M926B Vertical Pump Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445HPV Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**125 Hp**
Output KW	**93.0 kW**	Voltage	**460 V**
Speed	**1185 r/min**	Synchronous RPM	**1200 r/min**
Service Factor	**1.15**	Frame	**445HPV**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**155.0 A**
Power Factor	**82**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6319**
Opp Drive End Bearing Size	**6319**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

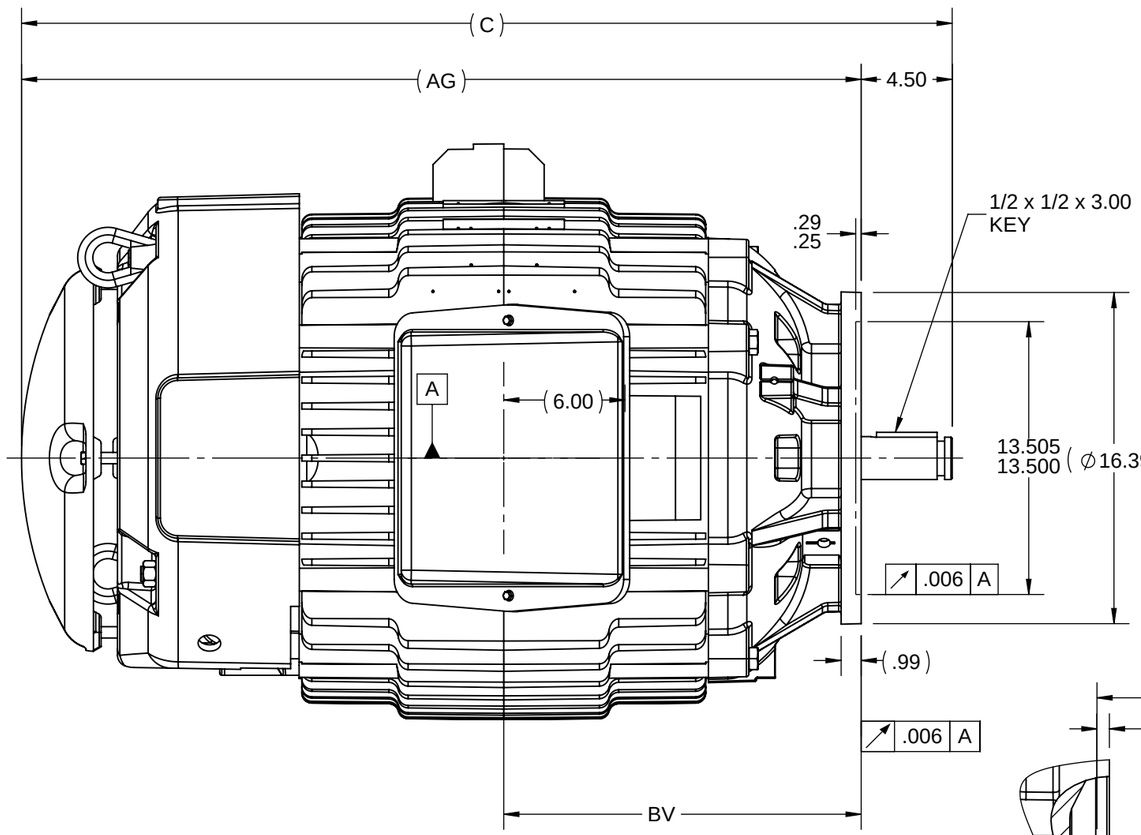
Technical Specifications

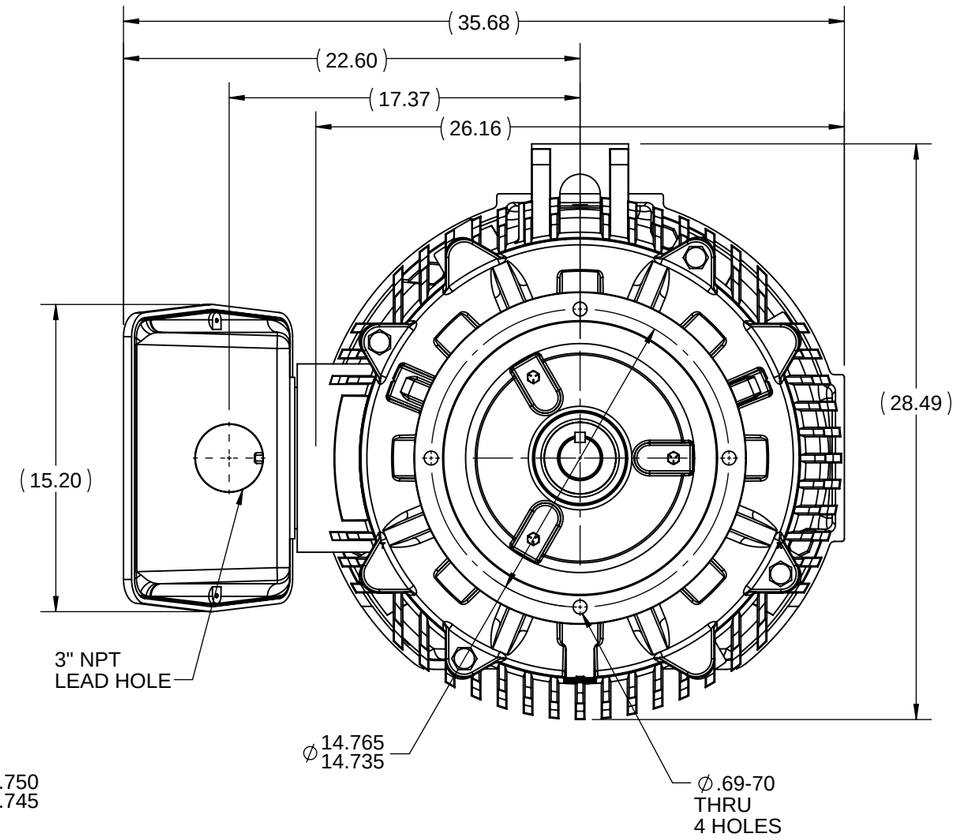
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.042 O**	Mounting	**Round**
Motor Orientation	**Shaft Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**HP**	Overall Length	**43.5 in**
Frame Length	**20.25 in**	Shaft Diameter	**2 1/8 in**
Shaft Extension	**4.50 in**	Assembly/Box Mounting	**F1/F2 Capable**

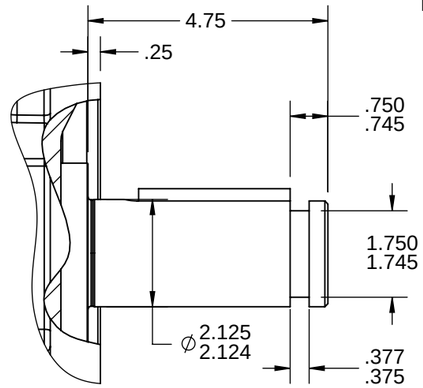
Drawings

Connection Drawing	**EE7300U**	Outline Drawing	**SS514394-2025**

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SHAFT EXTENSION DETAIL

NOTE:
1. CONDUIT BOX CAN BE ROTATED IN 90˚ STEPS.
2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF THE MOTOR.

DASH	FRAME	C	AG	BV
2025	444/445HP	46.06	41.56	17.69

DRAWING REVISION	REVISION BY	REV DATE/© DATE
F	SB	07/09/2026
REQUEST NUMBER	APPROVED BY	DATE
NMR-0240388	VG	07/09/2026

REQUEST NUMBER DESCRIPTION
PBOM SIMPLIFICATION

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TOLERANCES (EXCEPT AS NOTED):

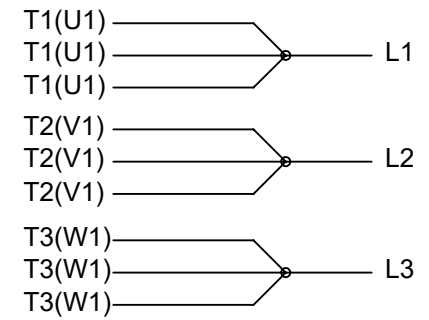
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

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

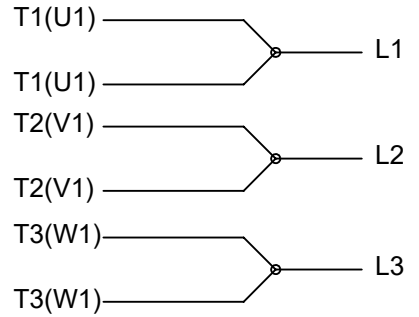
DRAWN BY	DESCRIPTION
DA	OUTLINE
DATE	444/445HP - FR. - TEFC
12/14/1992	
APPROVED BY	
TB	
DATE	
12/16/1992	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS514394 / SHEET 1 OF 1

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IF MOTOR HAS 9 LEADS

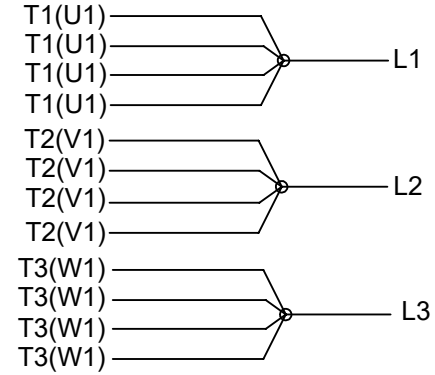


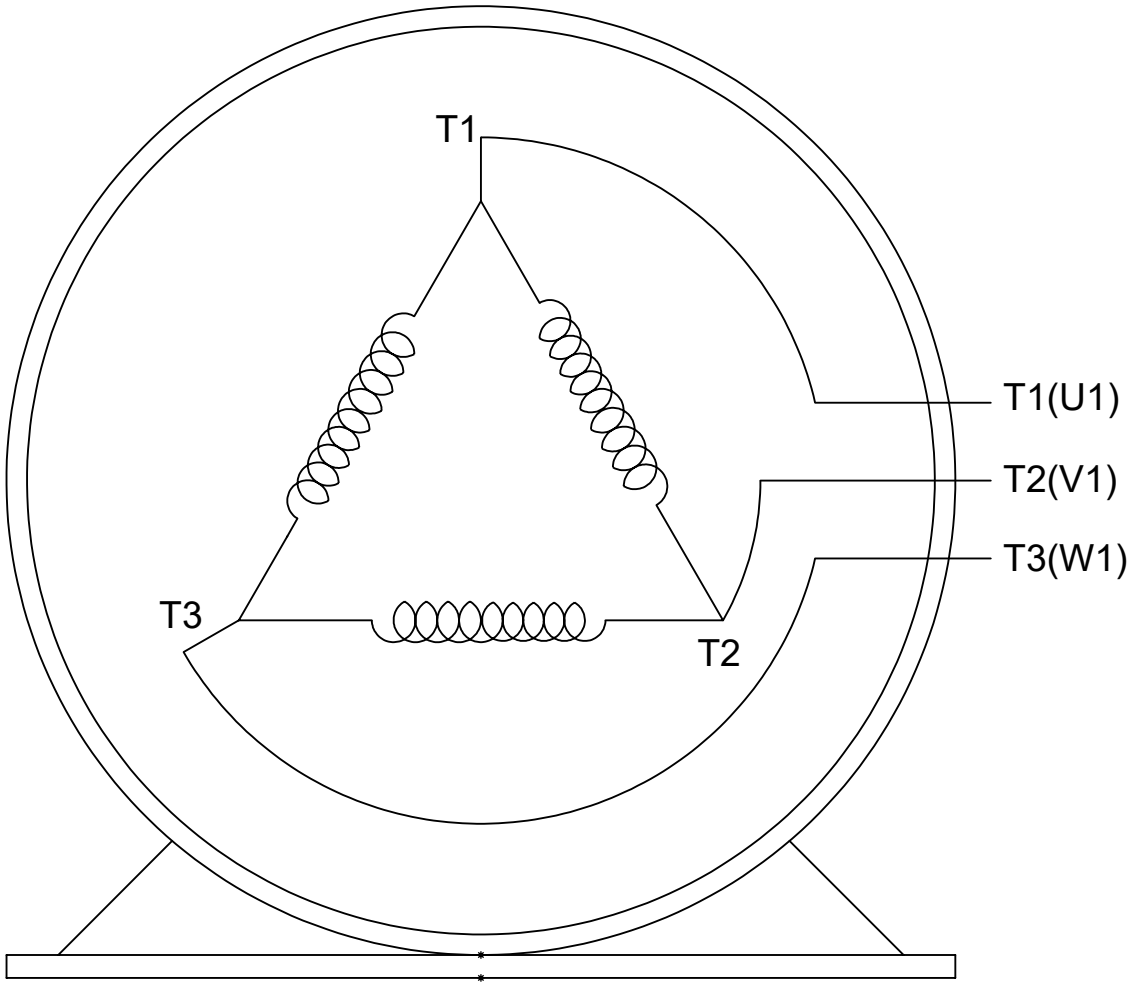
IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS





VIEW OF TERMINAL END

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

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	DRS
DATE	09-27-1996
APPROVED BY	GK
DATE	09-30-1996
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø SINGLE VOLTAGE

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300U	1 OF 1

Uncontrolled Copy

Data Sheet

Date: 12/3/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

445TTFN16091

Submittal

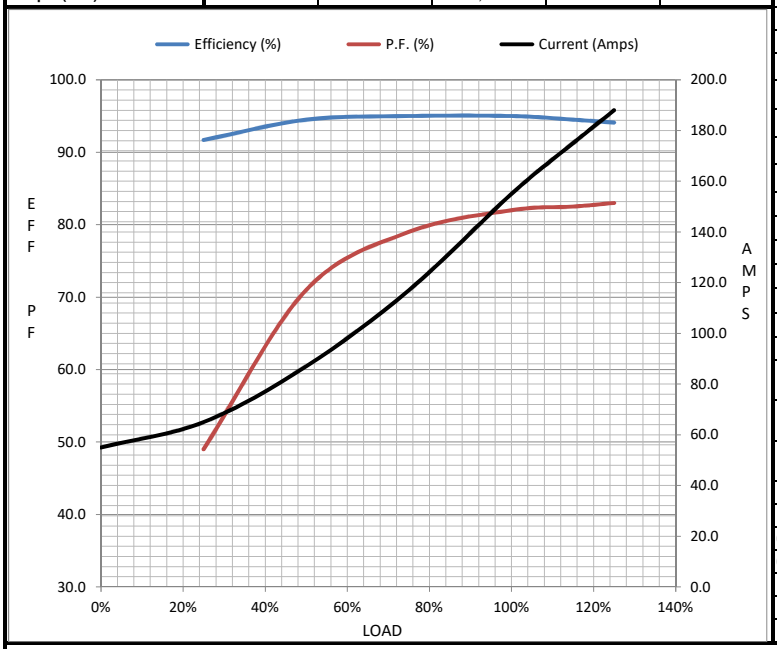
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	55.0	65.0	87.0	117	155	175	188	825	
Torque (ft-lb)	0.00	137	275	414	553	637	693	775	
RPM	1200	1196	1194	1190	1185	1,182	1180	0	
Efficiency (%)		91.7	94.5	95.0	95.0	94.5	94.1		
P.F. (%)	4.0	49.0	71.0	79.0	82.0	82.5	83.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1185	1200
Current (Amps)	825	750	500	155	55.0
Torque (ft-lb)	775	725	1,250	553	0.00



Information Block

HP	125.0	
Sync. RPM	1200	
Frame	445	
Enclosure	TEFC	
Construction	TFN	
Voltage	460	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	80	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	61.0	Lb-Ft²
Ref Wdg	T445693 NONE	
Sound Pressure @ 1M	72	dBA
VFD Rating	NONE	
Outline Dwg	B-SS514394-2025	
Conn. Diag	A-EE7300U	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0250	0.0180	0.2040	0.2410	3.8590

