marathon®

Vertical Pump Motors

Model No: 256TTDN16067
Catalog No: M718A

Vertical Pump Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256HPV Frame, DP

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Product Information Packet: Model No: 256TTDN16067, Catalog No: M718A Vertical Pump Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256HPV Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**20 Hp**
Output KW	**14.9 kW**	Voltage	**230/460 V**
Speed	**1775 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**256HPV**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**93 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**48.0/24.0 A**
Power Factor	**82.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**F**	Drive End Bearing Size	**6311**
Opp Drive End Bearing Size	**7308**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

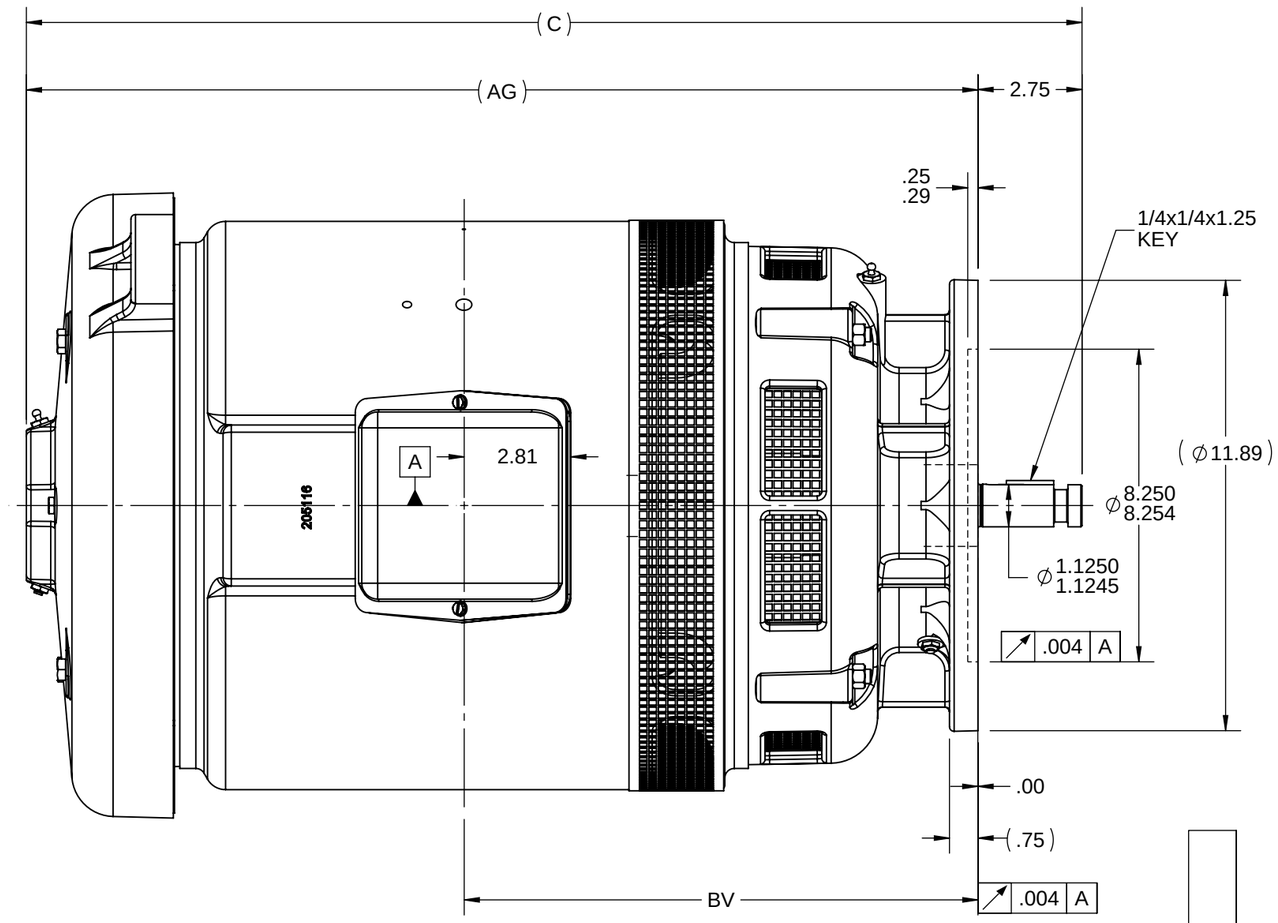
Technical Specifications

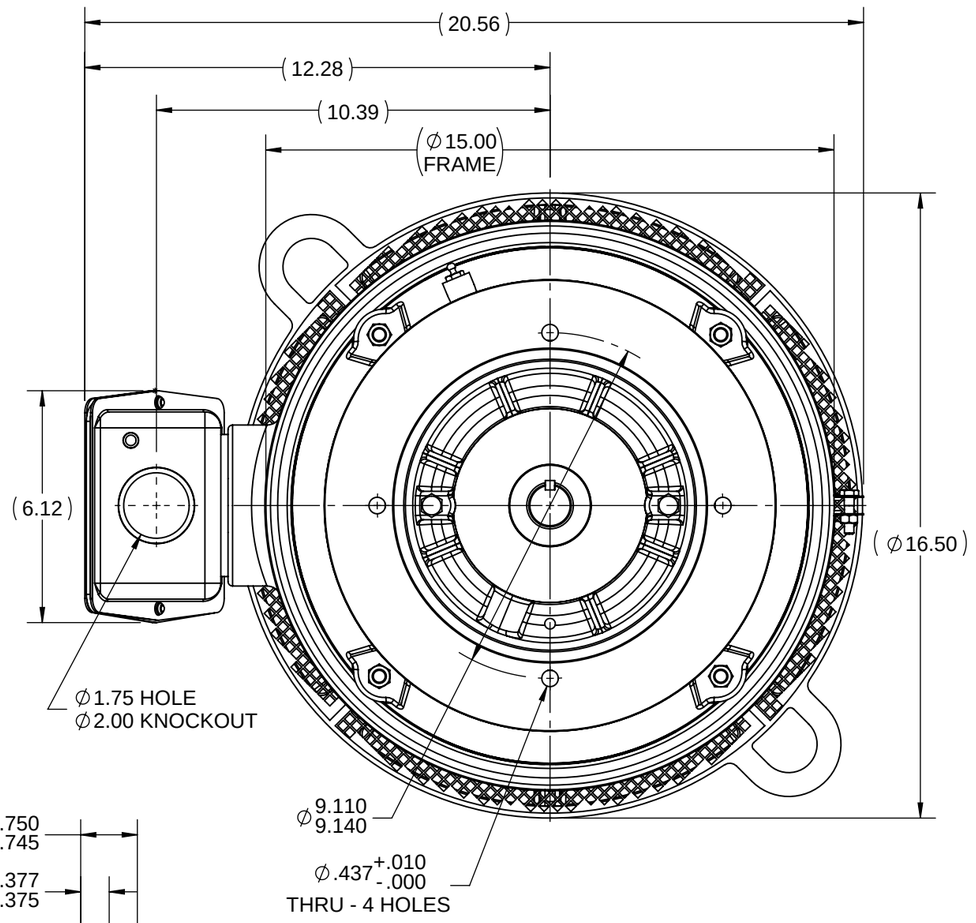
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.12 O**	Mounting	**Round**
Motor Orientation	**Shaft Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Duplex Tandem Angular Contact**	Frame Material	**Cast Iron**
Shaft Type	**HP**	Overall Length	**27.87 in**
Frame Length	**15.0 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**2.75 in**	Assembly/Box Mounting	**F1/F2 Capable**

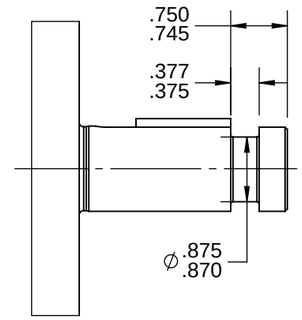
Drawings

Connection Drawing	**EE7308**	Outline Drawing	**B-SS208373-1500**

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SHAFT DETAIL
SCALE: 2X

NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATE READ FROM SHAFT EXTENSION SIDE OF MOTOR.

DASH	FRAME	C	AG	BV
1500	250HPV	27.87	25.12	13.56

DRAWING REVISION: C	REVISION BY: BISWA	REV DATE/© DATE: 21/05/2026
REQUEST NUMBER: CR-0026353	APPROVED BY: RMS	DATE: 21/05/2026
REQUEST NUMBER DESCRIPTION: DRAWINF TITLE BLOCK UPDATED		

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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: MSG	
DATE: 11-07-2013	
APPROVED BY: TB	
DATE: 11-11-2013	
REFERENCE	MATERIAL / PROCESS/FINISH: MU115611
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS208373 / SHEET: 1 OF 1

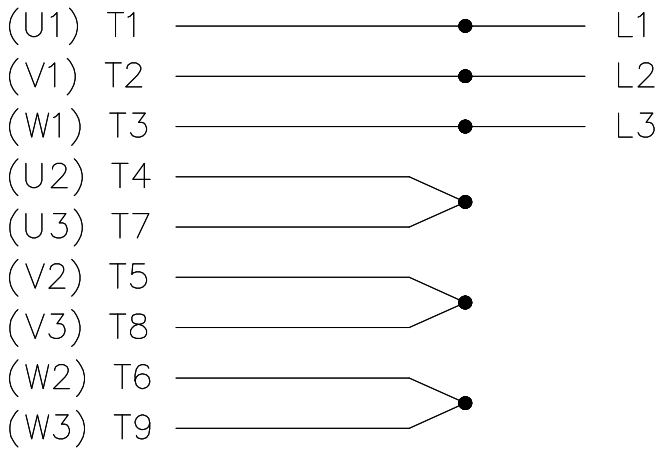
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DESCRIPTION: OUTLINE
250HPV FR. - DR. PR. - P' BASE

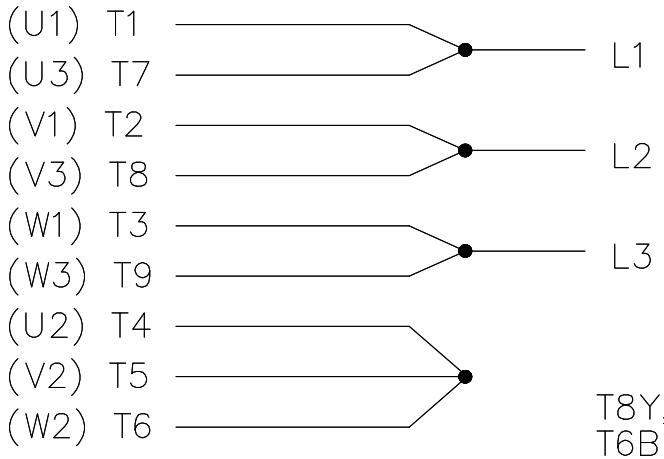
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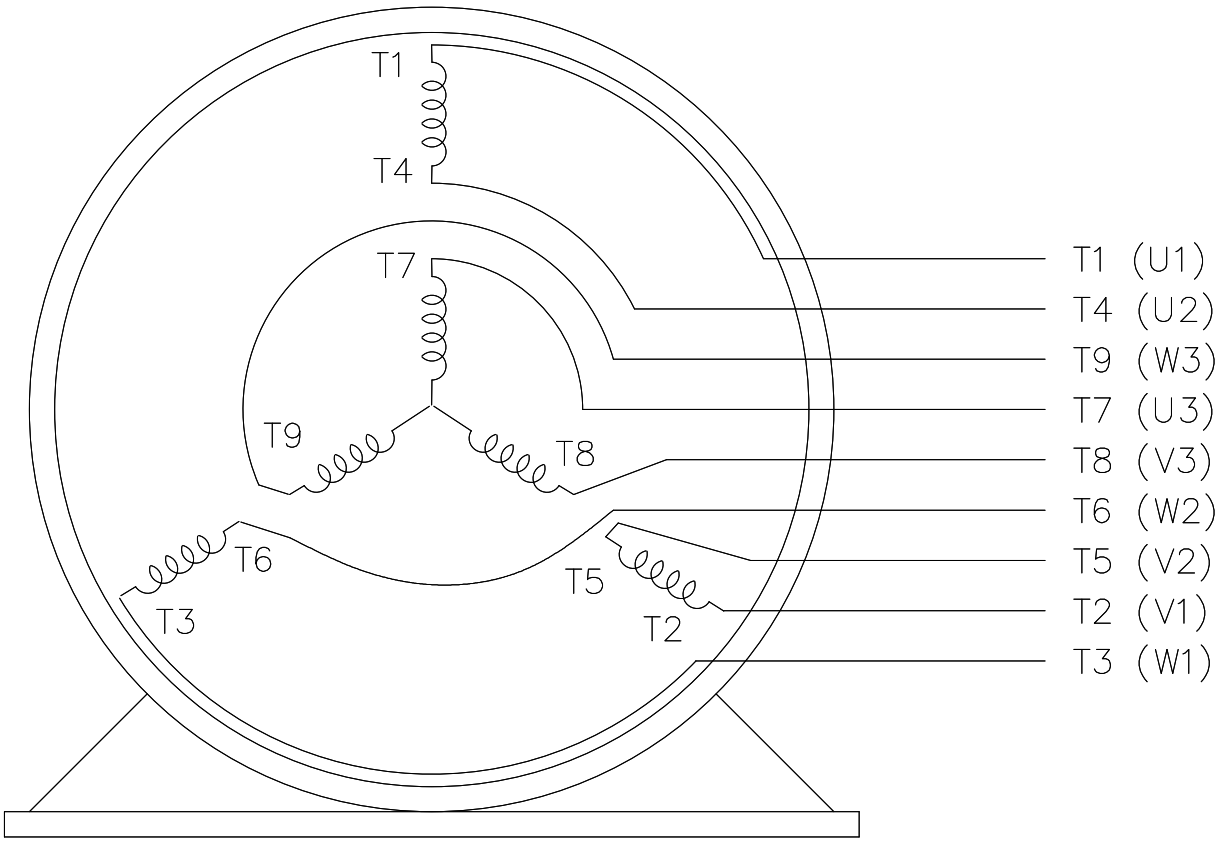
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: J	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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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: RM	
DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	4 of 5 EE7308	1 OF 1

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Data Sheet

Date: 12/13/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

256TTDN16067

Submittal

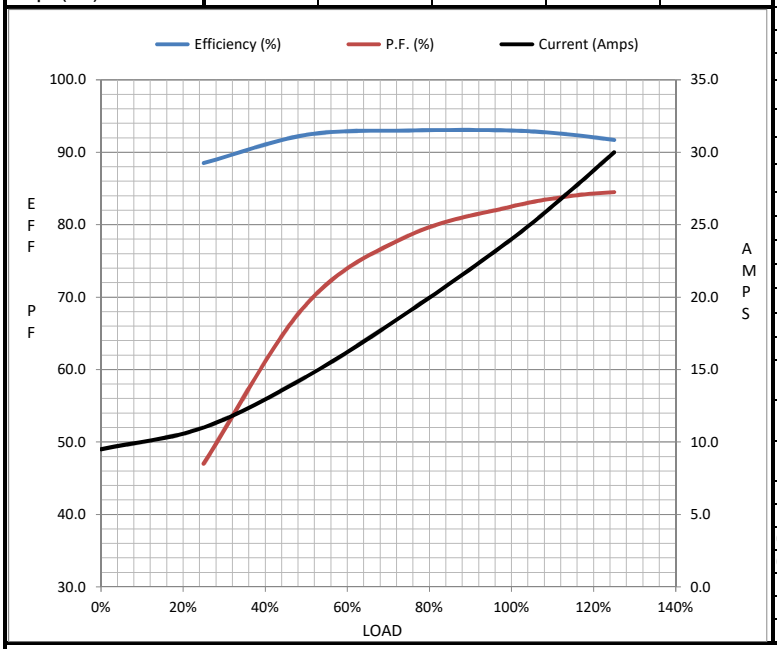
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.5	11.0	14.5	19.0	24.0	27.5	30.0	145	
Torque (ft-lb)	0.00	14.5	29.5	44.0	59.0	68.5	74.5	115	
RPM	1800	1795	1788	1780	1775	1,765	1760	0	
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7		
P.F. (%)	5.5	47.0	69.0	78.5	82.5	84.0	84.5	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1675	1775	1800
Current (Amps)	145	135	100	24.0	9.5
Torque (ft-lb)	115	100	150	59.0	0.00



Information Block

HP	20.0	
Sync. RPM	1800	
Frame	256	
Enclosure	DP	
Construction	TDS	
Voltage	230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	25	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	3.2	Lb-Ft²
Ref Wdg	K2564317 NONE	
Sound Pressure @ 1M	70	dBA
VFD Rating	NONE	
Outline Dwg	B-SS208373-1500	
Conn. Diag	A-EE7308	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2900	0.1790	1.0440	1.6050	29.9620

