

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 445TTFN16361
Catalog No: M929B
150,1800,TEFC,445HPV,3/60/460
Vertical Solid Shaft P-Base



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REGAL[®]



Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	170.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	445HPV
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6316	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	HP
Overall Length	43.50 in	Frame Length	20.25 in
Shaft Diameter	2.125 in	Shaft Extension	4.50 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS514394-2025	Connection Diagram	A-EE7300U

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Data Sheet

445TFN16361



Submital

Data @ 460 V

Date: 9/11/2018

Customer: _____
Attention: _____

Submitted by: FAREEDA DUDEKULA

Motor Load Data

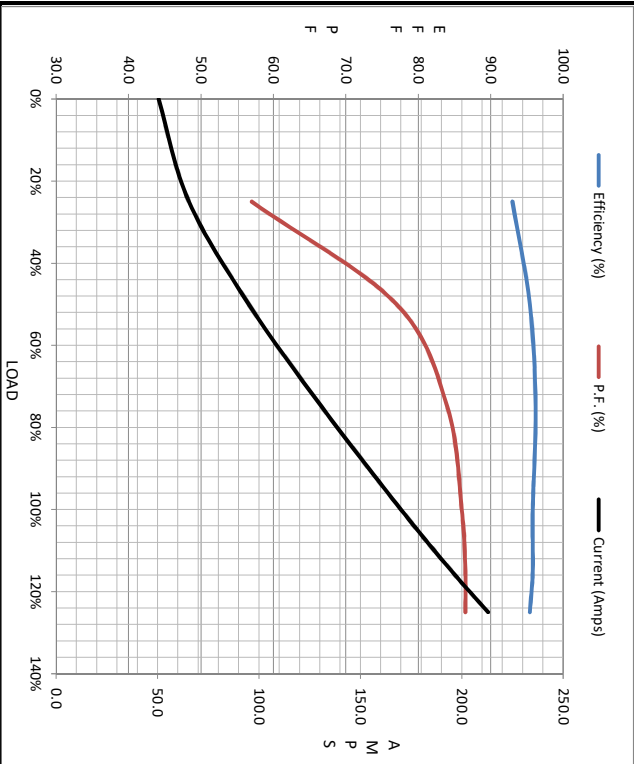
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	50.5	65.5	95.0	131	170	195	213	1,025
Torque (ft-lb)	0.00	110	220	330	441	508	553	600
RPM	1800	1796	1793	1790	1785	1,782	1,780	0
Efficiency (%)		93.0	95.4	96.2	95.8	95.8	95.4	25.5
P.F. (%)	3.0	57.0	77.0	84.0	86.0	86.5	86.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1740	1785	1800
Current (Amps)	1,025	925	582	170	50.5
Torque (ft-lb)	600	510	1,020	441	0.00

Information Block

HP	1500			
Sync. RPM	1800			
Frame	4451B2TFC6080			
Enclosure	TEFC			
Construction	TFN			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ^e	47.0 Lb-Ft ^e			
Ret Wdg	T4454228 NONE			
Sound Pressure @ 1M	75 DBA			
VFD Rating	NONE			
Outline Dwg	B-SS514394-2025			
Conn. Diag	A-EE7300U			
Additional Specifications:				
0				
0				
R1	R2	X1	X2	Xm
0.02240	0.0140	0.1890	0.1780	5.1030



Speed - Torque Curve

