

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 365PART17002
Catalog No: 365PART17002
75,3600,DP,365TDZ,3/60/230/460 PARTIAL MOTOR

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RegalRexnord



Nameplate Specifications

Phase	3	Output HP	75 Hp
Output KW	56.0 kW	Voltage	230/460 V
Speed	3560 rpm	Service Factor	1
Frame	365 D	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	183.0/91.5 A	Power Factor	82
Duty	Continuous	Insulation Class	NONE
Design Code	B	KVA Code	F
Drive End Bearing Size	NONE	Opp Drive End Bearing Size	NONE
UL	No	CSA	Y
CE	N	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.34 Ohms	Mounting	Round
Motor Orientation	Horizontal	Frame Material	Cast Iron
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	NONE	Connection Drawing	NONE

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Data Sheet

Date: 8/21/2024
 Customer: _____
 Attention: _____
 Submitted by: VESHNU G



365PART17002

Submittal

Data @ 460 V

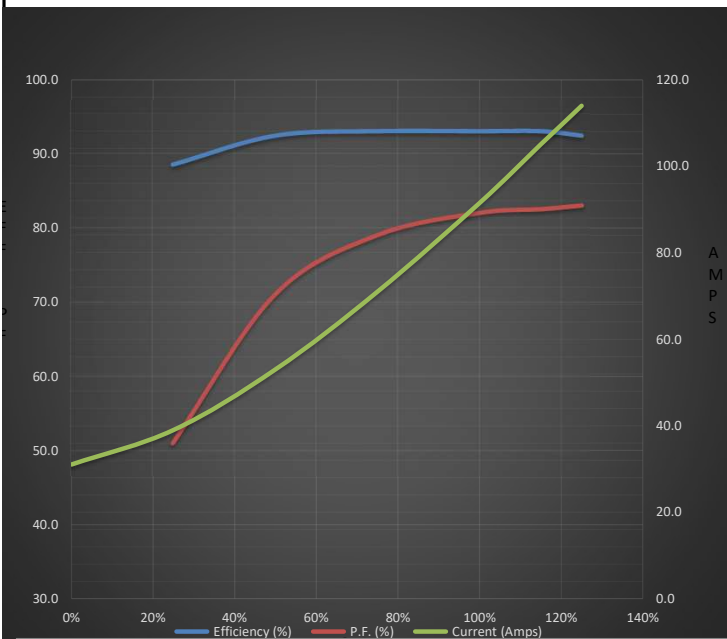
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	31.0	39.0	53.0	71.0	91.5	105	114	500
Torque (ft-lb)	#NAME?	27.5	55.0	83.0	111	128	140	175
RPM	3600	3588	3578	3565	3560	3,550	3540	0
Efficiency (%)		88.5	92.4	93.0	93.0	93.0	92.4	
P.F. (%)	6.5	51.0	71.0	79.0	82.0	82.5	83.0	34.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3375	3560	3600
Current (Amps)	500	450	325	91.5	31.0
Torque (ft-lb)	175	165	260	111	0.00

Information Block				
HP	75.0			
Sync. RPM	3600			
Frame	365			
Enclosure	DP			
Construction	TDS			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	6.1 Lb-Ft ²			
Ref Wdg	T364263 NONE			
Sound Pressure @ 1M	80 dBA			
VFD Rating	NONE			
Outline Dwg	NONE			
Conn. Diag	NONE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0600	0.0400	0.3650	0.3260	8.8450



Speed - Torque Curve

