

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 324TTFPA4076

Catalog No: E820

Other Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,
324T Frame, TEFC

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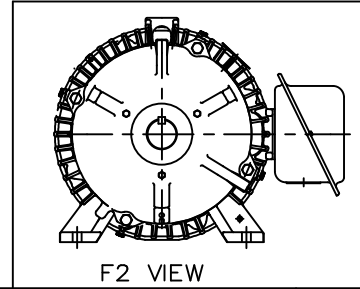
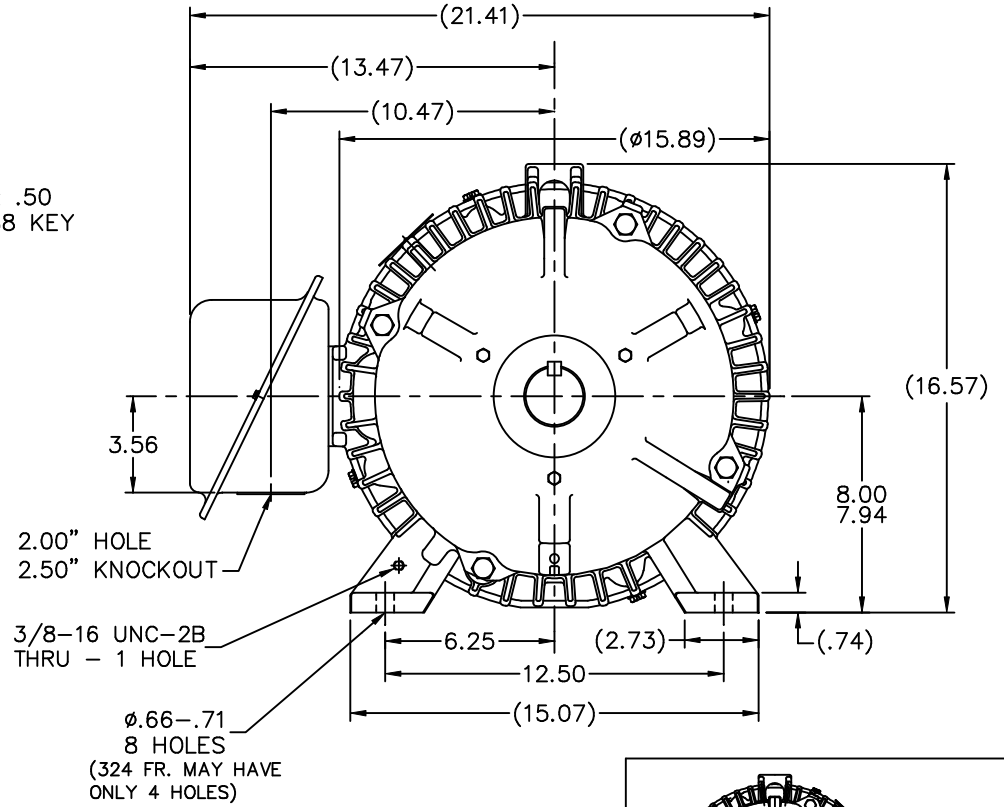
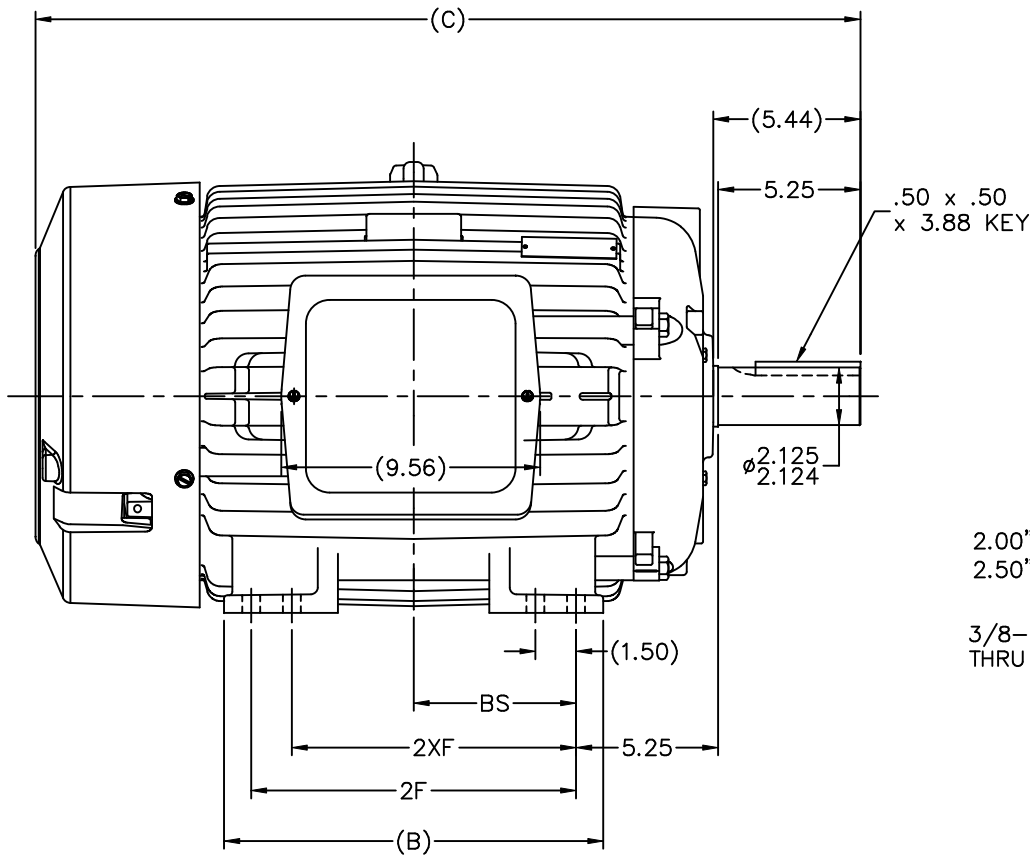
The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	1170 & 970 rpm	Service Factor	1.15 & 1.15
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	67/33.5 & 65/32.5 A	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
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	0.345 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	28.97 in
Frame Length	14.75 in	Shaft Diameter	2.130 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7308	Outline Drawing	B-SS311081-1475



- NOTES:
1. CONDUIT BOX BE ROTATED IN 90° STEPS.
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 3. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.

DASH	FRAME	B	C	2F	2XF	BS
1475	324T	14.00	28.97	10.50		5.25
1625	324/6T	14.00	30.47	12.00	10.50	6.00

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN NJS 11-07-2000	
		DEC.	INCHES			CHK	ML 11-07-2000
3	REDRAWN IN AUTOCAD	TAT	06-29-2004	ML	.XX ±.03	APPD TB 11-07-2000	
2	DASH 1475 (B) 14.00 WAS 12.50 CN 29200-1468	HLB	02-26-2001		.XXX ±.005	SCALE 7-32	
1	NEW DRAWING	NJS	11-07-2000		.XXXX ±.0005	REF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FMF	
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						SIZE	DRAWING NO. PAGE OF REV.
						DIST LB	B SS311081 3



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	DRAWN RM				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES	Regal Beloit America, Inc.	11/20/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		CHK ML 11/21/1990				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		APPD SAS 04/24/2003				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		SCALE 1=1				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		REF				
						MAT'L.	FMF				
							PREV				
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						DIST WP					

Data Sheet

Date: 11/27/2023
 Customer: _____
 Attention: _____
 Submitted by: RAMYA



324TFPA4076

Submittal

Data @ 460 V

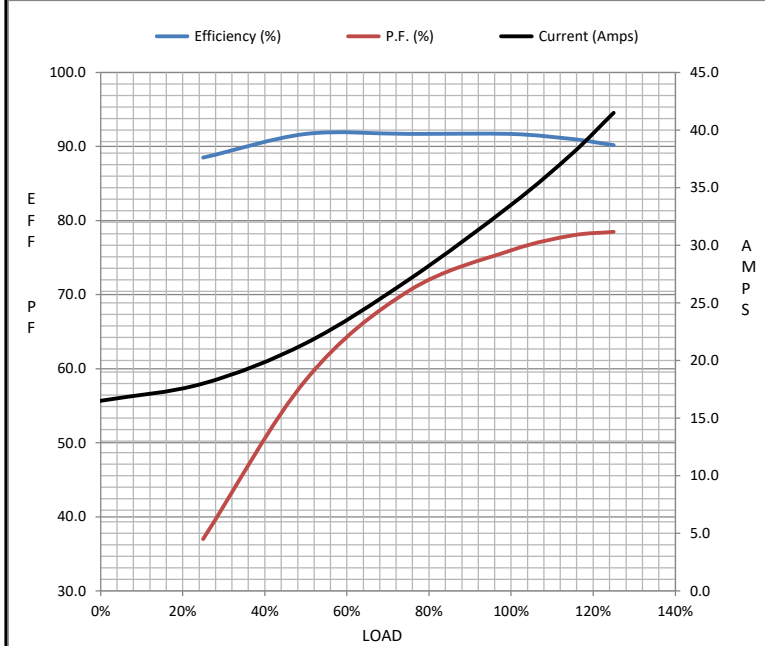
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	16.5	18.0	21.5	27.0	33.5	38.0	41.5	175
Torque (ft-lb)	0.00	27.5	55.0	84.0	112	130	142	180
RPM	1200	1195	1185	1175	1170	1,165	1160	0
Efficiency (%)		88.5	91.7	91.7	91.7	91.0	90.2	
P.F. (%)	4.0	37.0	58.5	70.5	76.0	78.0	78.5	37.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1050	1170	1200
Current (Amps)	175	150	115	33.5	16.5
Torque (ft-lb)	180	185	280	112	0.00

Information Block				
HP	25.0			
Sync. RPM	1200			
Frame	324			
Enclosure	TEFC			
Construction	TFP			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	65 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	4.8 Lb-F ²			
Ref Wdg	286685 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS311081-1475			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.2110	0.2000	1.0510	0.9130	14.1360



Speed - Torque Curve

