

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTDR16063

Catalog No: E791A-P

XRI® General Purpose General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 326T Frame, DP



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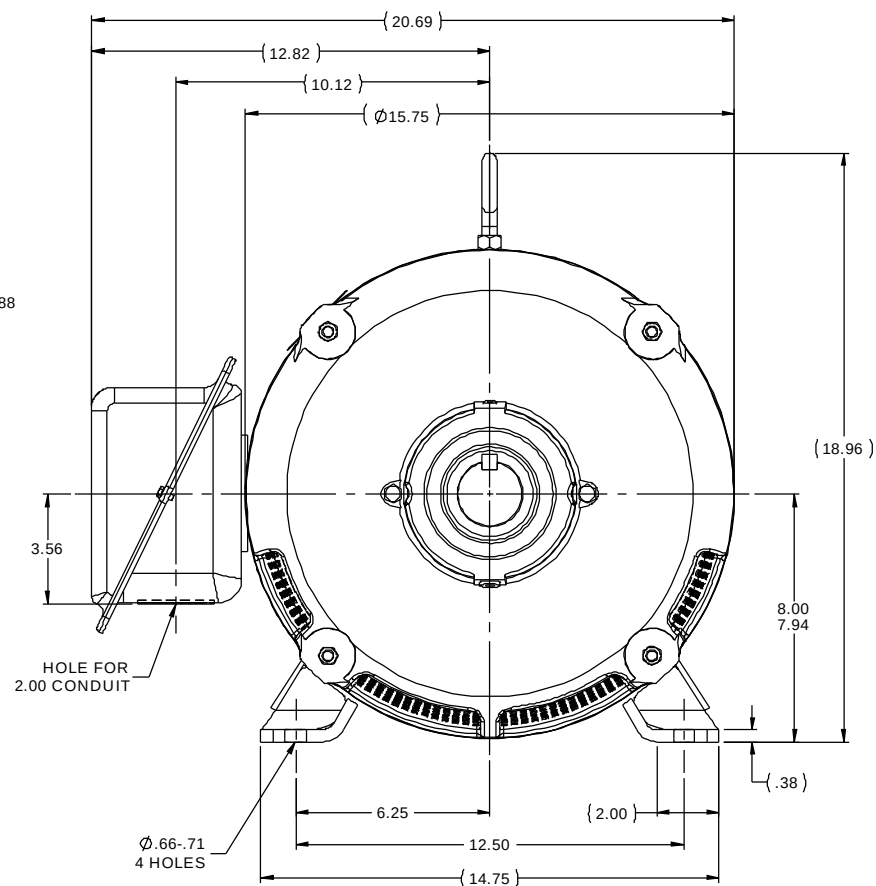
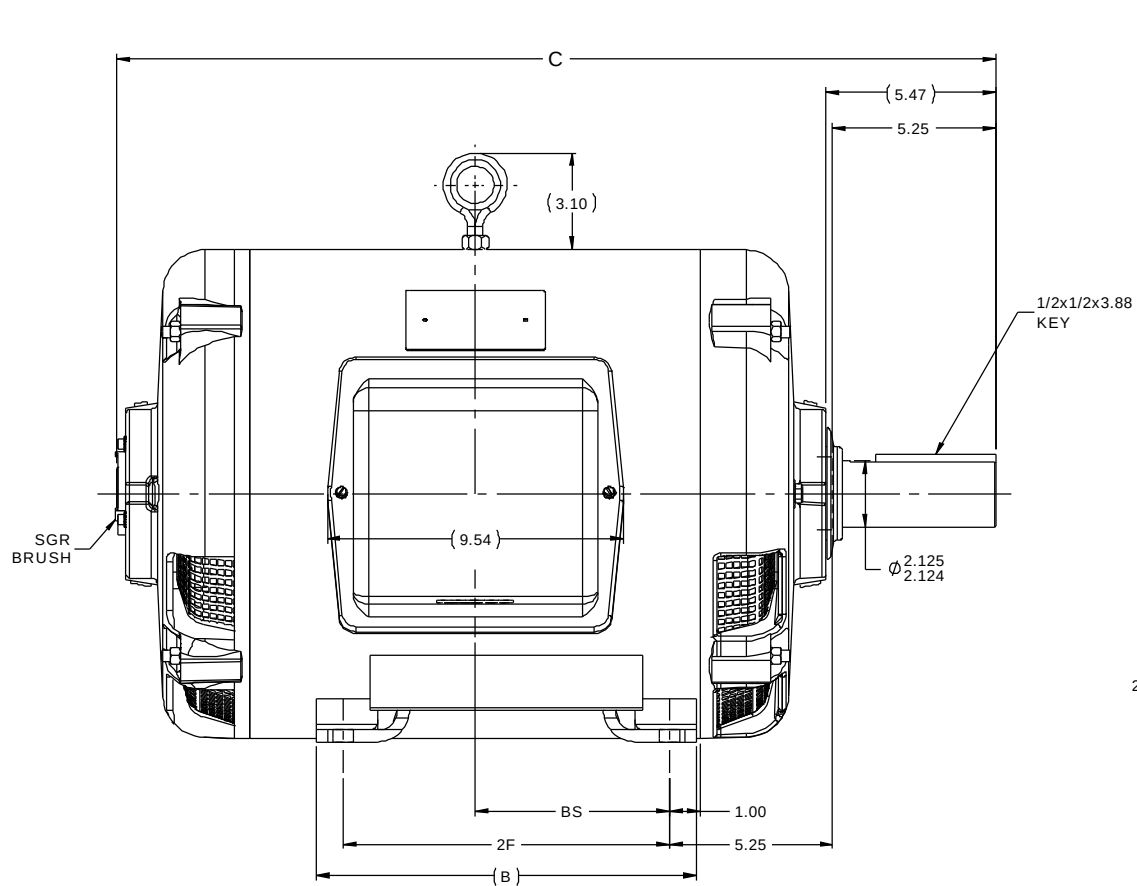
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	1775 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	326T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	121/60.5 & 116/58 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.027 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	28.81 in
Frame Length	15.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.47 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308K	Outline Drawing	A-SS301452-1500

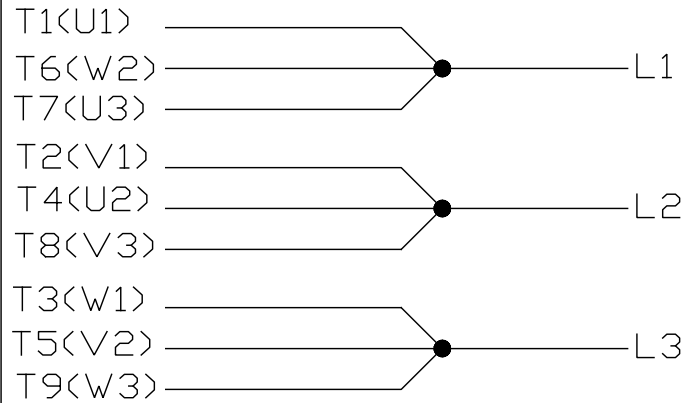
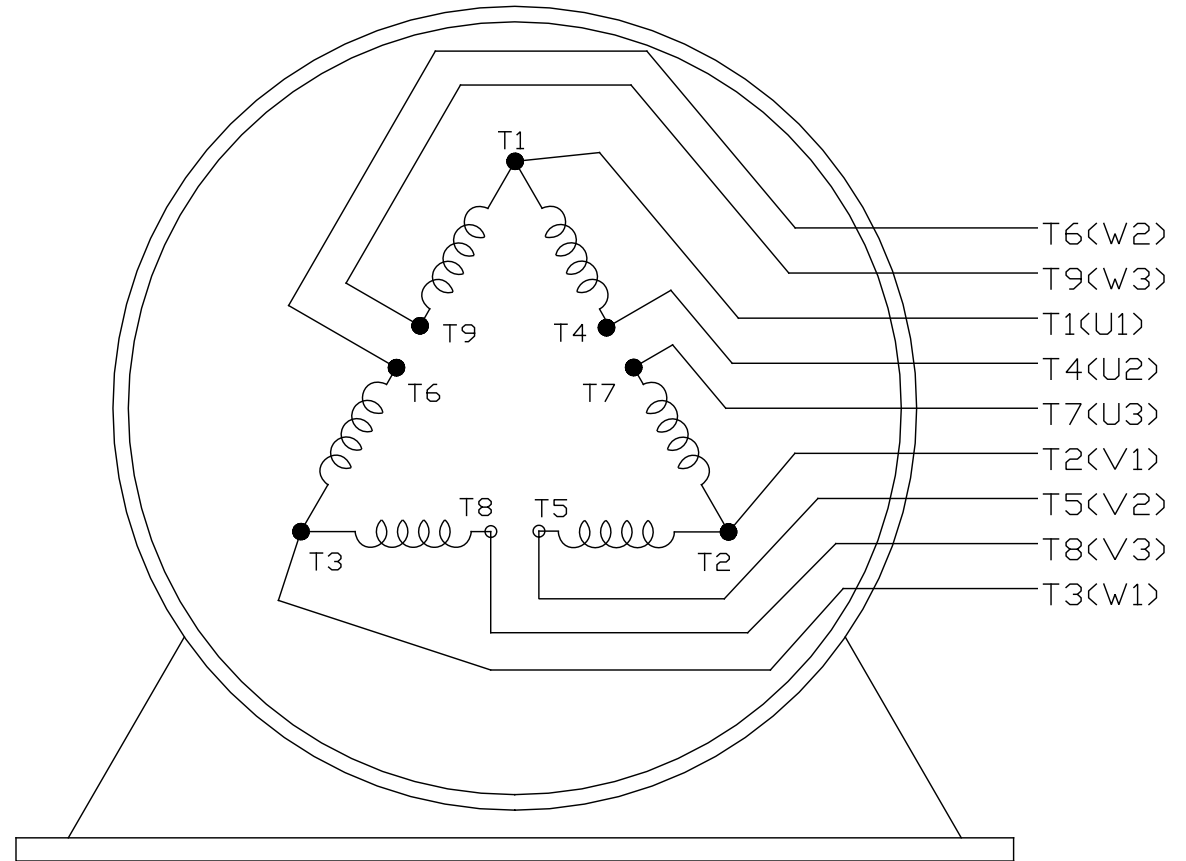
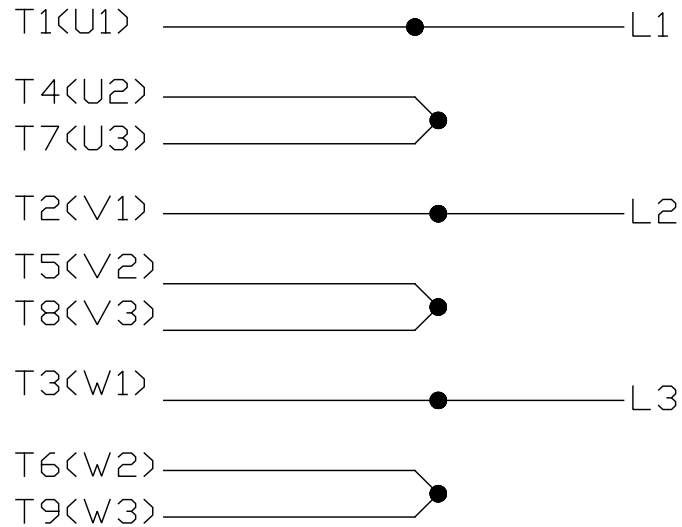


NOTES:
CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY
REMOVING BRACKETS AND TURNING FRAME 180

DASH	FRAME	C	B	2F	BS	MOUNTING	NO	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	SIZE	DRAWING NO	REV
1250	324T	26.31	12.25	10.50	5.25	F1 OR F2										
1400	326T	27.81	13.75	12.00	6.00	F1 OR F2										
1450	324T	28.31	12.25	10.50	6.25	F1 ONLY										
1450	326T	28.31	13.75	12.00	6.25	F1 ONLY										
1500	326T	28.81	13.75	12.00	6.50	F1 ONLY										
1750	326T	31.31	13.75	12.00	9.12	F1 ONLY										
							1	REVD FOR SHAFT & LARGER SGR BRUSH ECO 0038059	DRO 09-10-2013	CSE	XXXX	±.0005	MAT'L			

LOW VOLTAGE

EE7308K

HIGH VOLTAGE

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997			
E	CORRECTED IEC MARKINGS	ECO-0111208	WGJ 01-23-2017	EMH	DEC.		INCHES	CHK	ML	06-05-1997
D	RE-DRAWN WITH REGAL LOGO	ECO-0110493	WGJ 09-30-2016	EMH	.X		±.1	APPD	GK	06-15-1997
8	ADDED IEC DESIGNATIONS	MU95020	TJW 4/30/2010	MJS	.XX		±.02	TITLE CONNECTION DIAGRAM DELTA CON. - 3ø - 9 LEADS		SCALE
7	REVISED HIGH VOLTAGE L2 WAS L3	CN52600-354	MRB 09-21-1998		.XXX		±.005			REF
6	REDRAWN ON CADD		PGK 06-05-1997		.XXXX	±.0005	MAT'L.		FMF	
NO.	REVISION		BY & DATE	CHK	ANG	± 7'30"	FINISH		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE EE7308K		SIZE A	DRAWING NO. PAGE OF EE7308K	REV. E
				DIST						

CERTIFICATION DATA SHEET

Model#: 326TTDR16063 AN
 CONN. DIAGRAM: A-EE7308K
 OUTLINE: A-SS301452-1500

WINDING#: 3264160 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37&30	1800	1775&1470	326T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	121/60.5&116/ 58	LINE OR INVERTER	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 94.5&94.1	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82&82.5	3/4 LOAD PF: 79	1/2 LOAD PF: 70	94.1	SQ CAGE INV RATED	46 / 23

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
148 LB-FT	716 / 358	283 LB-FT 191	387 LB-FT 261	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	8.8 LB-FT^2	300 LB-FT^2	20 SEC.	2	615 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6312	6311						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

* N O T E S *	INVERTER TORQUE: VARIABLE 10:1
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE NONE NONE PPR
	BRAKE: NONE NONE NONE P/N NONE NONE NONE - FT-LB NONE V NONE Hz

DATE: 06/21/2017 06:53:58 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



326TTDR16063

Submittal

Data @ 460 V

Motor Load Data

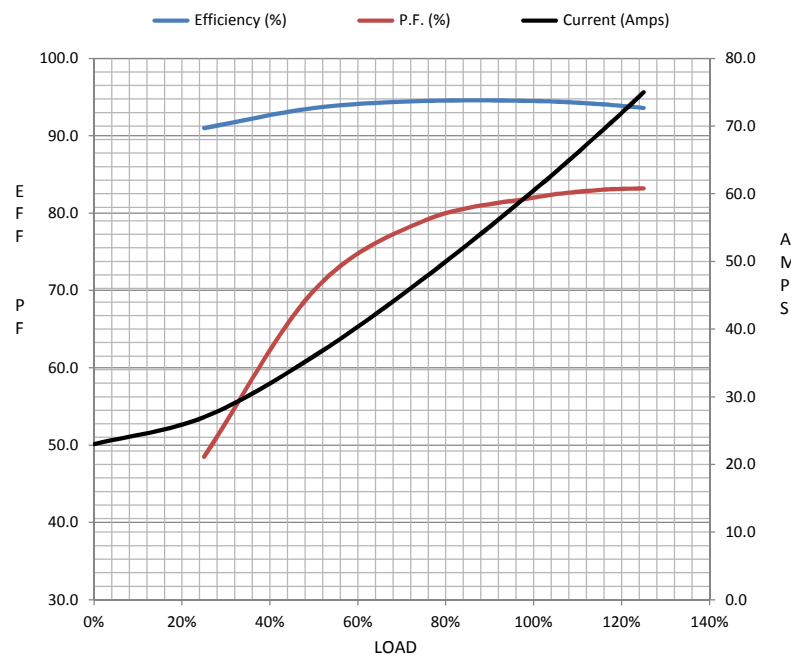
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	23.0	27.0	36.0	47.5	60.5	69.0	75.0	358	
Torque (ft-lb)	0.00	36.5	73.5	111	148	171	186	283	
RPM	1800	1795	1790	1780	1775	1,773	1770	0	
Efficiency (%)		91.0	93.6	94.5	94.5	94.1	93.6		
P.F. (%)	4.5	48.5	70.0	79.0	82.0	83.0	83.2	34.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1775	1800
Current (Amps)	358	305	198	60.5	23.0
Torque (ft-lb)	283	240	387	148	0.00

Information Block

HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/38(V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	8.8 Lb-Ft ²			
Ref Wdg	3264160 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	A-SS301452-1500			
Conn. Diag	A-EE7308K			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0780	0.0650	0.5140	0.6420	10.9620



Speed -Torque Curve

