

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 324TTFCA6013

Catalog No: GT3533

40 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 324JP Frame, TEFC
Close-Coupled Pump Motors



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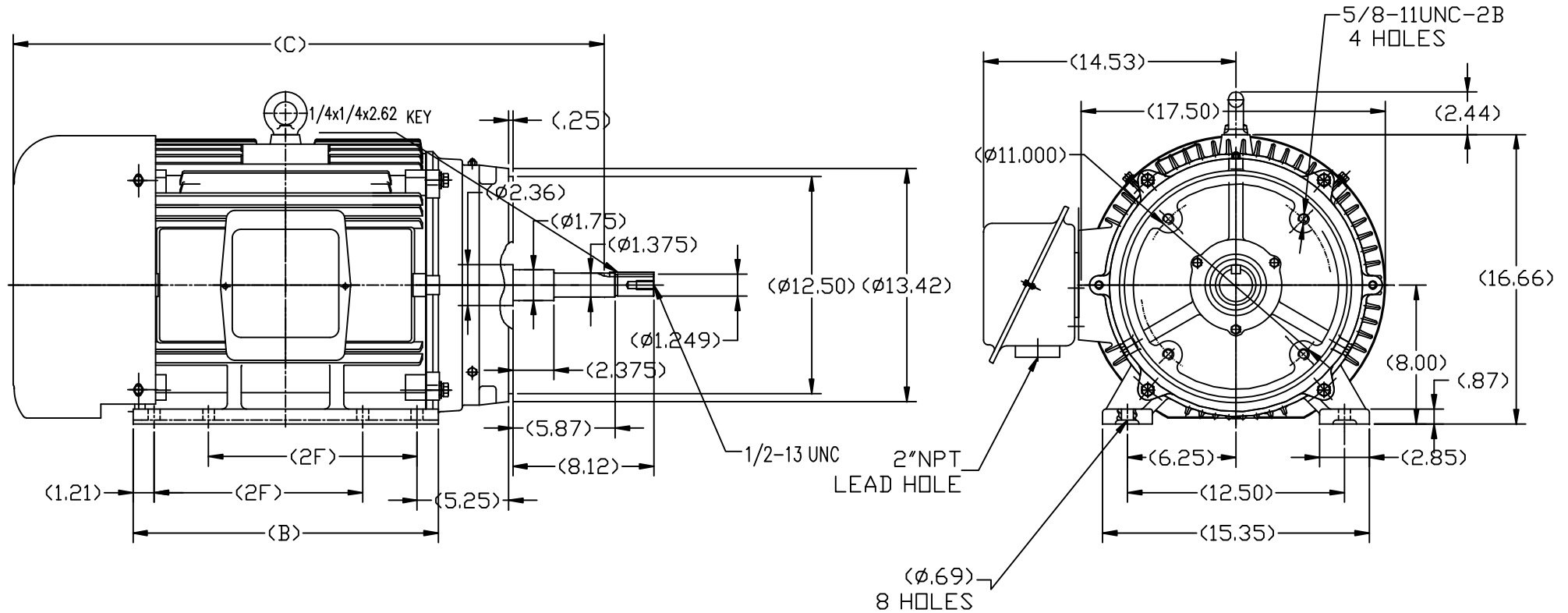
RegalRexnord

Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	575 V
Current	36.0 A	Speed	3570 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	89.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	324JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6212	Opp Drive End Bearing Size	6212
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.164 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Overall Length	35.81 in
Frame Length	15 in	Shaft Diameter	1.250 in
Shaft Extension	8.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7300	Outline Drawing	SS620569-324T



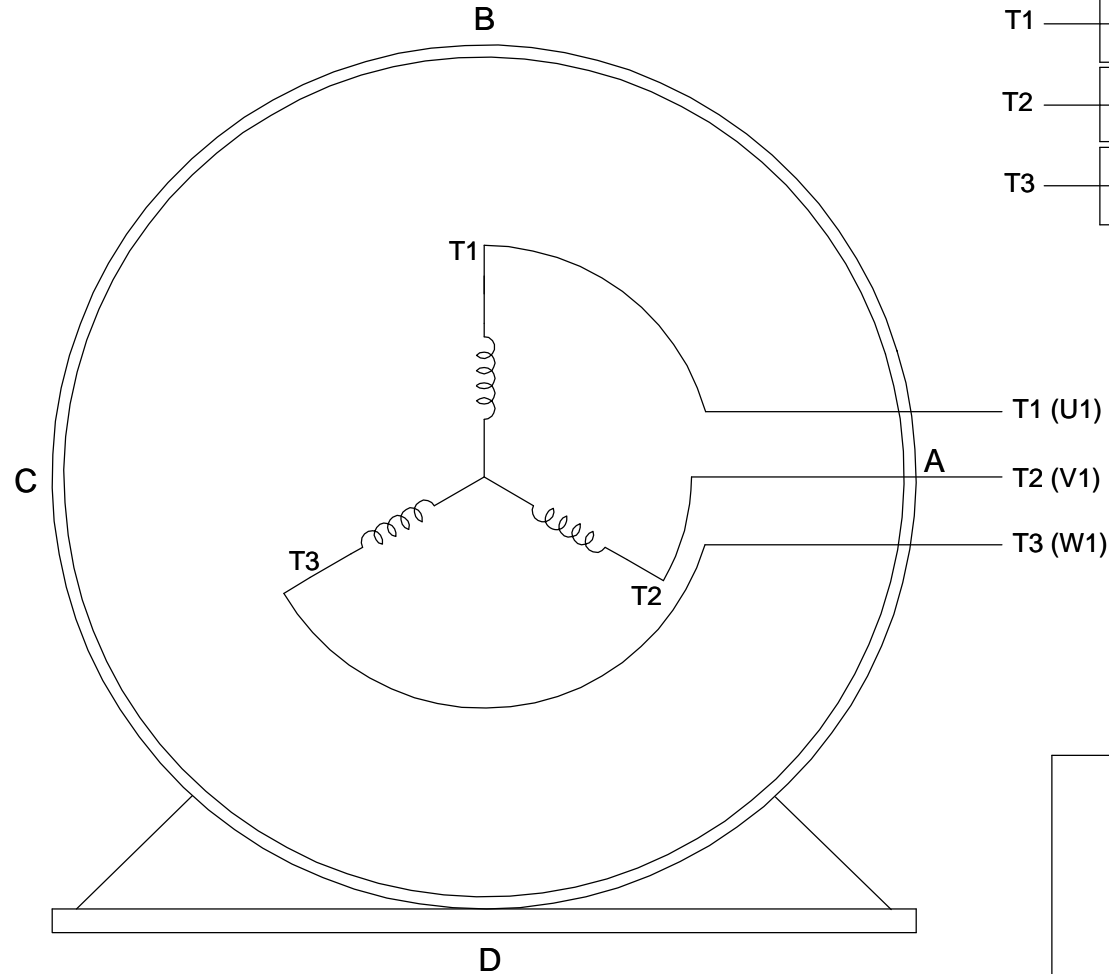
324T	35.81	16.38	10.50
326T	36.99	17.56	12.00
FRAME	C	B	2F

TOLERANCES UNLESS SPECIFIED		DEC. INCHES		REGAL-BELOIT CORPORATION		DRAWN VY 05-23-2012	
.X	±.1	TITLE OUTLINE TEFC-324/326JP FR-CAST IRON		CHK ZYH 05-23-2012		APPD WGH 05-23-2012	
.XX	±.03						
.XXX	±.005						
.XXXX	±.0005	MATERIAL		REF		FMF HWADA	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH	PREV
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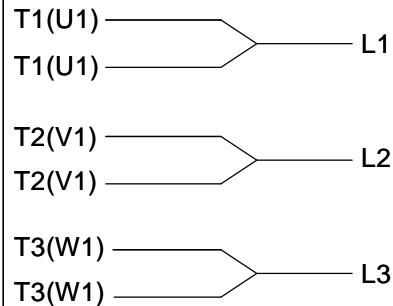
THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL

PROCESS/FINISH

SIZE
A

DRAWING NUMBER

EE7300

SHEET
1 OF 1

CERTIFICATION DATA SHEET

Model#: 324TTFCA6013 AA
 CONN. DIAGRAM: EE7300
 OUTLINE: SS620569

WINDING#: CHT32420004 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40	30	3600	3570	324JP	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	36	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89.5	3/4 LOAD PF: 87	1/2 LOAD PF: 81.5	91.7	SQ CAGE INV RATED	9.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59 LB-FT	216	85 LB-FT 144	135 LB-FT 230	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	4.8 LB-FT^2	25 LB-FT^2	20 SEC.	2	700 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6212	6212	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

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
 NONE FT-LB NONE V NONE Hz

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DATE: 06/21/2017 04:38:27 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



324TTFCA6013

Submittal

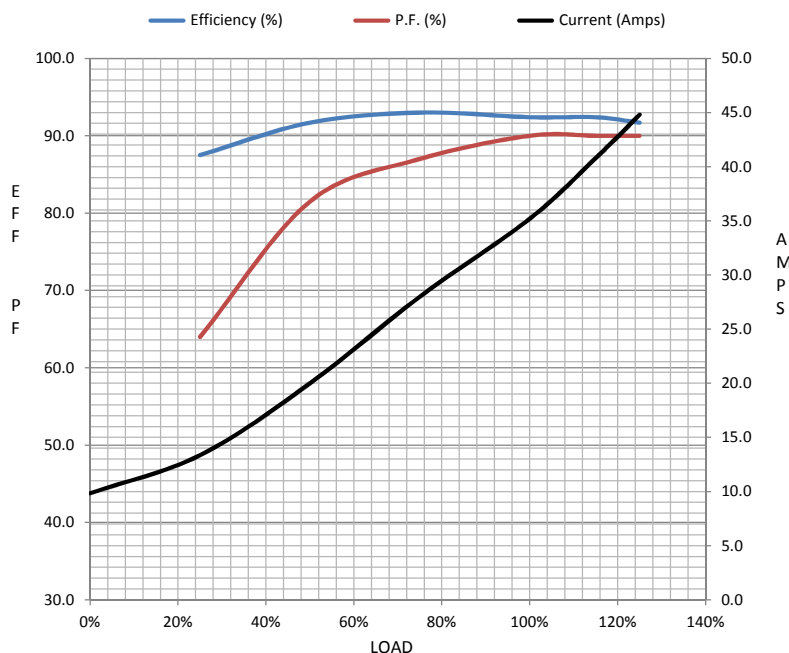
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.8	13.4	20.0	28.0	35.2	40.8	44.8	216	
Torque (ft-lb)	0.00	14.6	29.3	44.0	59.0	68.0	74.0	85.0	
RPM	3600	3592	3582	3575	3570	3560	3550	0	
Efficiency (%)		87.5	91.7	93.0	92.4	92.4	91.7		
P.F. (%)	8.5	64.0	81.5	87.0	90.0	90.0	90.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1800	3450	3570	3600	HP	40.0
Current (Amps)	216	194	126	35.2	9.8	Sync. RPM	3600
Torque (ft-lb)	85.0	73.0	135	59.0	0.00	Frame	324



HP	40.0			
Sync. RPM	3600			
Frame	324			
Enclosure	TEFC			
Construction	TFC			
Voltage	575	V		
Frequency	60	Hz		
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	4.8	Lb-Ft²		
Ref Wdg	CHT32420004 NONE			
Sound Pressure @ 1M	75	dBA		
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620569			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1880	0.0980	0.9420	0.9970	34.0150

Speed -Torque Curve

