

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 324TTFCA6095

Catalog No: GT3529

25 HP Close-Coupled Pump Motor, 3 phase, 1200 RPM, 575 V, 324JP Frame, TEFC
Close-Coupled Pump Motors



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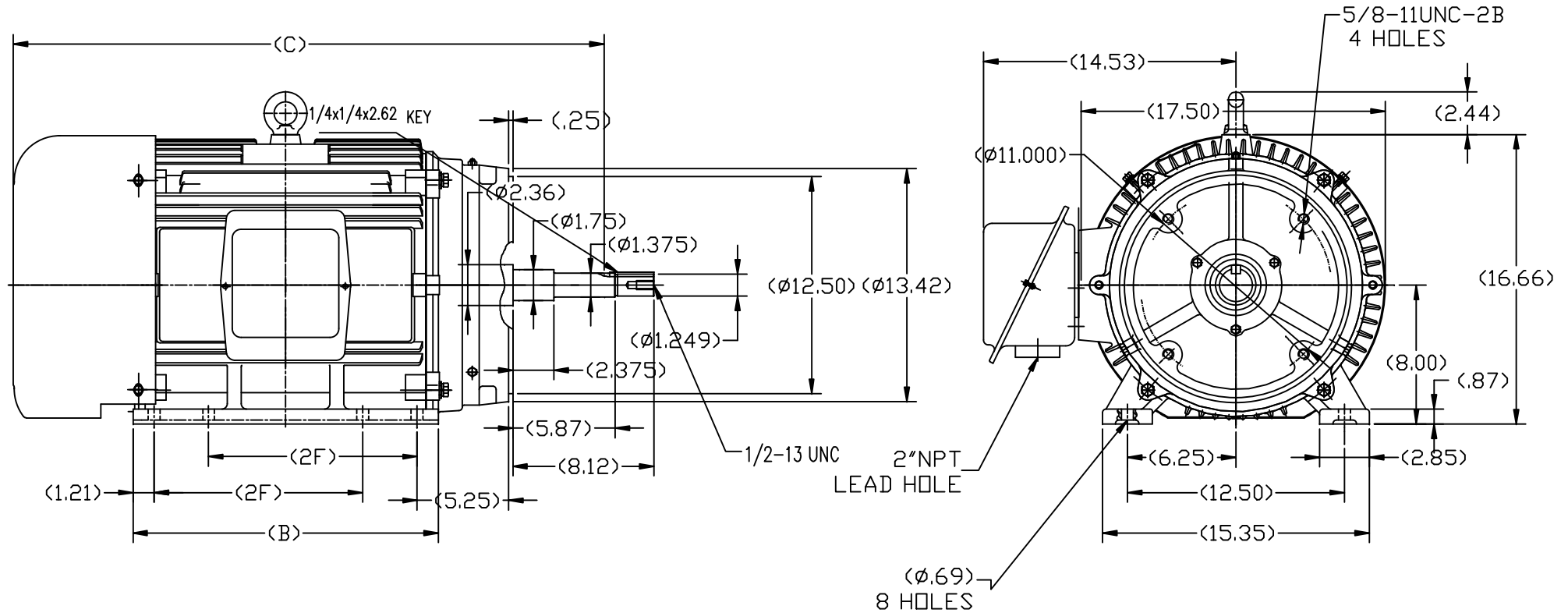
RegalRexnord

Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	26.8 A	Speed	1188 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	75
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	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 Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.255 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Overall Length	35.81 in
Shaft Diameter	1.250 in	Shaft Extension	8.12 in
Assembly/Box Mounting	F1/F2 CAPABLE		
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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							SS620569
							REV.

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
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CERTIFICATION DATA SHEET

Model#: 324TTFCA6095 AA

WINDING#: CHT32460001 NONE 2

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620569

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25	18.7	1200	1188	324JP	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	26.8	LINE OR INVERTER	CONTINUOU S	F7	1.15	40	3300

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75	3/4 LOAD PF: 69	1/2 LOAD PF: 58	92.4	SQ CAGE INV RATED	13.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
111 LB-FT	144	205 LB-FT 185	300 LB-FT 270	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	11.8 LB-FT^2	- LB-FT^2	20 SEC.	2	725 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 OR SHAFT DOWN	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6312	6311	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 05:02:40 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 19-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



324TTFCA6095

Submittal

Data @ 575 V

Motor Load Data

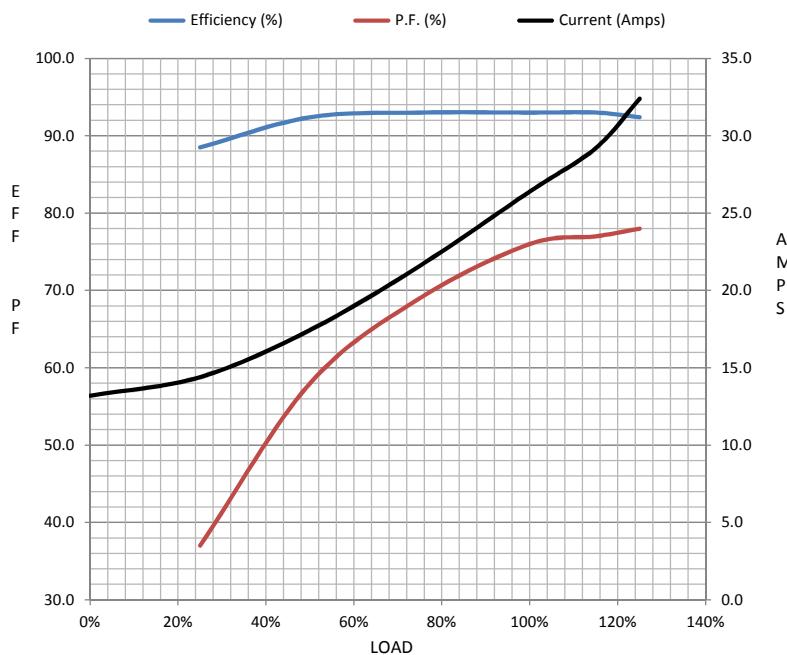
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	13.2	14.4	17.4	21.6	26.4	29.2	32.4	144	
Torque (ft-lb)	0.00	27.5	55.0	82.5	111	127	139	205	
RPM	1200	1198	1195	1192	1190	1,188	1185	0	
Efficiency (%)		88.5	92.4	93.0	93.0	93.0	92.4		
P.F. (%)	4.5	37.0	58.0	69.0	76.0	77.0	78.0	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1125	1190	1200
Current (Amps)	144	136	108	26.4	13.2
Torque (ft-lb)	205	186	300	111	0.00

Information Block

HP	25.0			
Sync. RPM	1200			
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 wk ²	11.8 Lb-Ft ²			
Ref Wdg	CHT32460001 NONE			
Sound Pressure @ 1M	56 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
0.2750	0.2130	1.6350	2.0390	28.3040



Speed -Torque Curve

