

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 326THFS19078
Catalog No: W643
30,1200,TEFC,326T,3/60/575
Severe Duty



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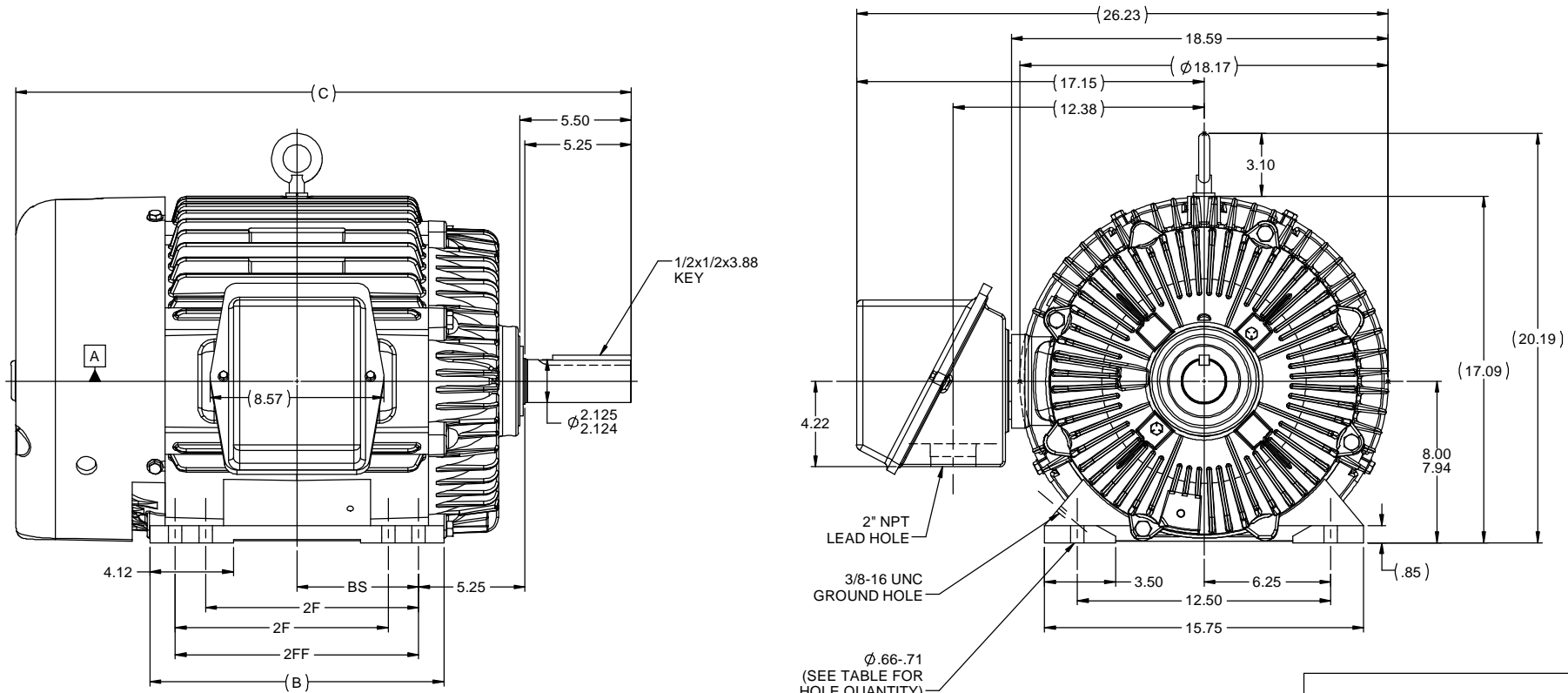
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	31.0 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	326T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6311	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

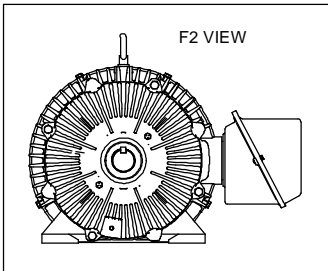
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	30.37 in	Frame Length	13.00 in
Shaft Diameter	2.125 in	Shaft Extension	5.5 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS300575-1300	Connection Diagram	A-EE7300

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



DASH	FRAME	C	B	BS	2F	2FF	--	MTG HOLES
1150	324T	28.87	13.00	5.25	--	10.50		4
1300	324/6T	30.37	14.50	6.00	10.50	12.00		8
1450	326T	31.87	15.00	6.75	12.00	13.00		8

8	REDRAWN IN CURRENT CAD SYSTEM (MU106311)	REP 02-02-2012	BW	TOLERANCES UNLESS SPECIFIED		DRAWN	MH 01-23-1998
7	ADDED F-2 VIEW (MU106696)	REP 12-27-2011	SJW	DEC		INCHES	CHK
6	REVISED DASH 1450 (CN 33720)	RJW 12-21-2004	ML	X	±.1	APPR	DD 01-26-1998
5	ADDED DASH -1450 TO TABLE	HLB 10-04-2004	LC	XX	±.03	TITLE	OUTLINE
4	ADDED FOOT HOLE QTY & MTG. TO TABLE (CN37323)	TAT 12-09-2003	ML	XXX	±.005		SCALE 3:16
3	UPDATED C'BOX GEOMETRY (CN 28424)	DRS 01-06-2000	-	XXXX	±.0005	MATL	REF
NO	REVISION	BY & DATE	CHK	LANG	±1/2"	FINISH	FMF
						PREV	PAGE OF
						SIZE	DRAWING NO
						B	SS300575
						REV	8
						NETWORK FILE NAME	SS300575



**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

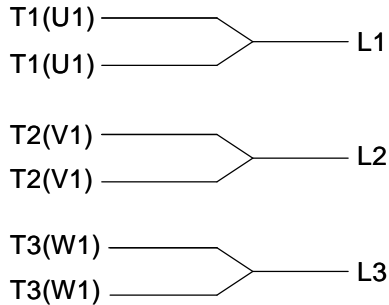
**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 _____ WHITE
- L2 _____ RED
- L3 _____ BLACK

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

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



326THFS19078

Submittal

Data @ 575 V

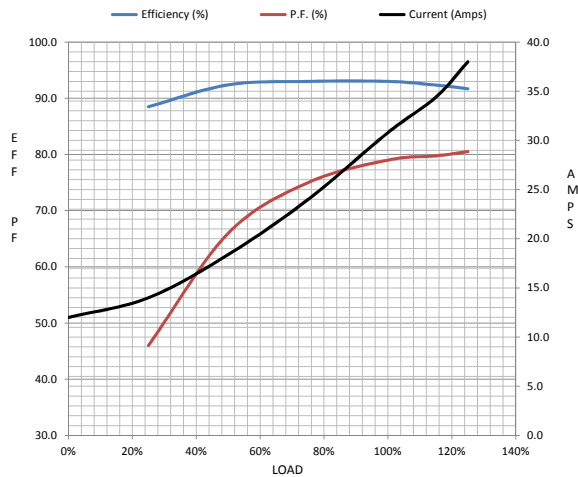
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	12.0	14.0	18.4	24.0	30.8	34.4	38.0	174
Torque (ft-lb)	0.00	33.0	66.0	100	134	151	168	200
RPM	1200	1195	1190	1185	1182	1,179	1175	0
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7	
P.F. (%)	5.0	46.0	66.0	75.0	79.0	79.8	80.5	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	174	160	112	30.8	12.0
Torque (ft-lb)	200	175	375	134	0.00

Information Block				
HP	30.0			
Sync. RPM	1200			
Frame	326			
Enclosure	TEFC			
Construction	TFN			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.0			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	9.4 Lb-Ft ²			
Ref Wdg	3266102 R4			
Sound Pressure @ 1M	58 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	B-SS300575-1300			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.2290	0.1890	1.4260	1.8030	25.4240



Speed -Torque Curve

