

# PRODUCT INFORMATION PACKET

Model No: 364THFS19077  
Catalog No: W639  
40,1200,TEFC,364T,3/60/575  
Severe Duty



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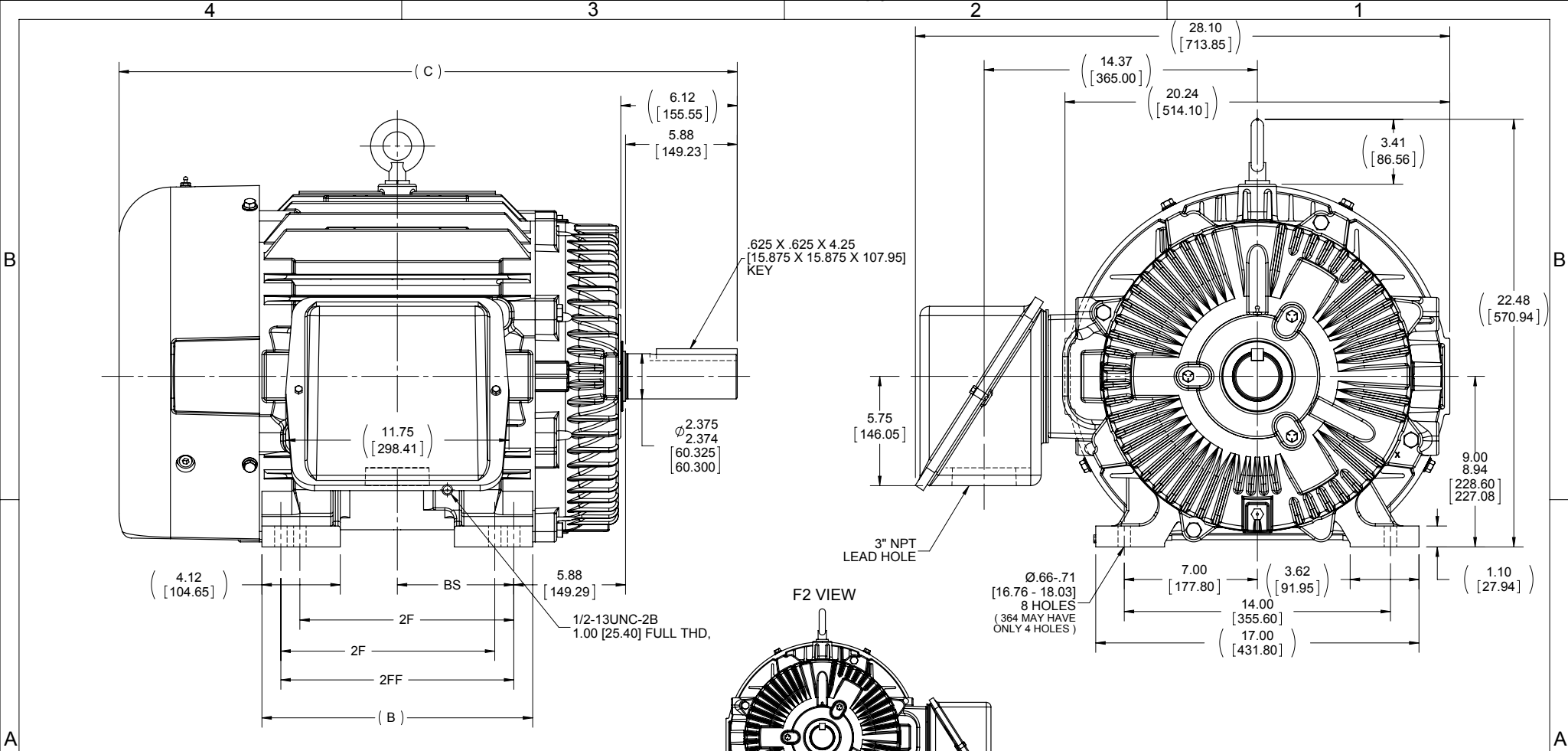
### Nameplate Specifications

Output HP	<b>40 Hp</b>	Output KW	<b>30.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>40.0 A</b>	Speed	<b>1185 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>94.1 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>364T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6314</b>
Opp Drive End Bearing Size	<b>6312</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>56</b>		

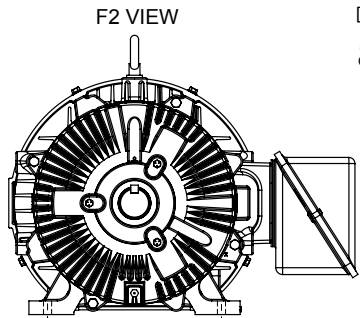
### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>T</b>
Overall Length	<b>31.51 in</b>	Frame Length	<b>13.50 in</b>
Shaft Diameter	<b>2.375 in</b>	Shaft Extension	<b>6.12 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>B-SS508590-1350</b>	Connection Diagram	<b>A-EE7300</b>

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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. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.  
 4. DIMENSION IN [ ] DESIGNATE MILLIMETERS.



DASH	FRAME	B	C	2F	2FF	BS
1350	364T	13.25 [336.55]	31.51 [800.35]	11.25 [285.75]	---	5.62 [142.74]
1450	364/365T	14.25 [361.95]	32.51 [825.75]	11.25 [285.75]	12.25 [311.15]	6.12 [155.44]

DRAWING REVISION G	REVISION BY JJB	DATE 09-25-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30' .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY TLB	Regal Beloit America, Inc.		
ECO ECO-0061089	APPROVED BY	DATE	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 200/INCH mm 5.1	DATE 01-29-1988			
CORRECTED F2 VIEW DISPLAY COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			APPROVED BY ML	DESCRIPTION <b>OUTLINE</b> 360T FR. - TEFC - GROUND LUG - TAPPED LEAD HOLE			
				DATE 01-29-1988	MATERIAL	PROCESS/FINISH	
				THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER <b>SS508590</b>	SHEET 1 OF 1

**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 <b>AB</b>	REVISION BY <b>JJB</b>	DATE <b>06-27-2017</b>
ECO <b>ECO-0125361</b>	APPROVED BY <b>TB</b>	DATE <b>06-27-2017</b>
ECO DESCRIPTION <b>UPDATED TO CURRENT STANDARDS</b>		
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DRAWN BY <b>DA</b>
DATE <b>03-26-1993</b>
APPROVED BY <b>TB</b>
DATE <b>03-26-1993</b>
REFERENCE
THIRD ANGLE PROJECTION

<b>Regal Beloit America, Inc.</b>		
		DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>	SHEET <b>1 OF 1</b>



Data Sheet

Date: 6/20/2017

364TFS19077

Customer:  
Attention:



Submitted by: FAREEDA DUDEKULA

Submital  
Data @ 575 V

Motor Load Data

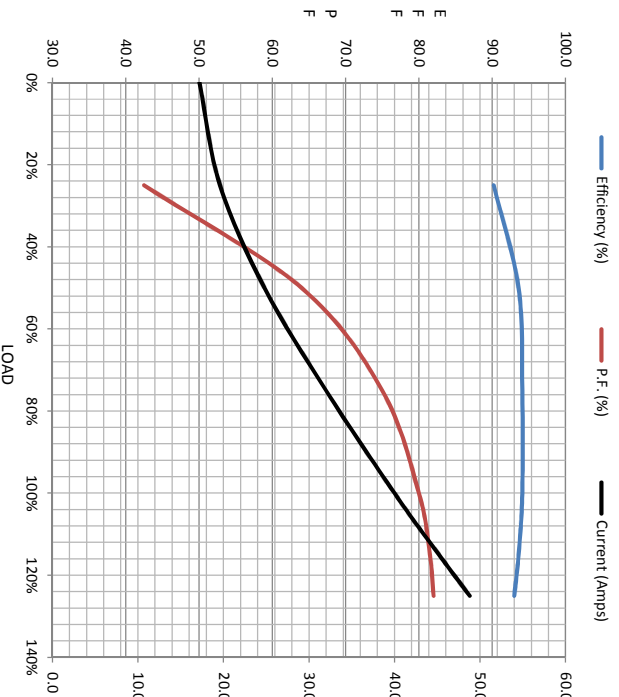
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	17.2	19.6	24.8	32.0	40.0	45.2	48.8	232
Torque (ft-lb)	0.00	44.0	88.0	133	177	205	223	350
RPM	1200	1195	1192	1188	1185	1,180	1178	0
Efficiency (%)		90.2	93.6	94.1	94.1	93.6	93.0	
P.F. (%)	4.0	42.5	64.0	75.0	80.0	81.5	82.0	32.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	600	1100	1185	1200
Current (Amps)	232	200	140	40.0	17.2
Torque (ft-lb)	350	325	450	177	0.00

Information Block

HP	40.0
Sync. RPM	1200
Frame	364
Enclosure	TEFC
Construction	TFS
Voltage	575 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	65 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk <sup>e</sup>	15.0 Lb-Fe
Ret Wdg	T365671 NONE
Sound Pressure @ 1M	58 dBA
VFD Rating	CONSTANT 2:1
Outline Dwg	B-SS08590-1350
Conn. Diag	A-EE7300
Additional Specifications:	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.1770	0.11230
X1	X2
0.8090	1.2650
Xm	Xm
	18.9440



Speed -Torque Curve

