

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 365THFS19101
Catalog No: W576
40,900,TEFC,365T,3/60/460
Severe Duty



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REGAL[®]



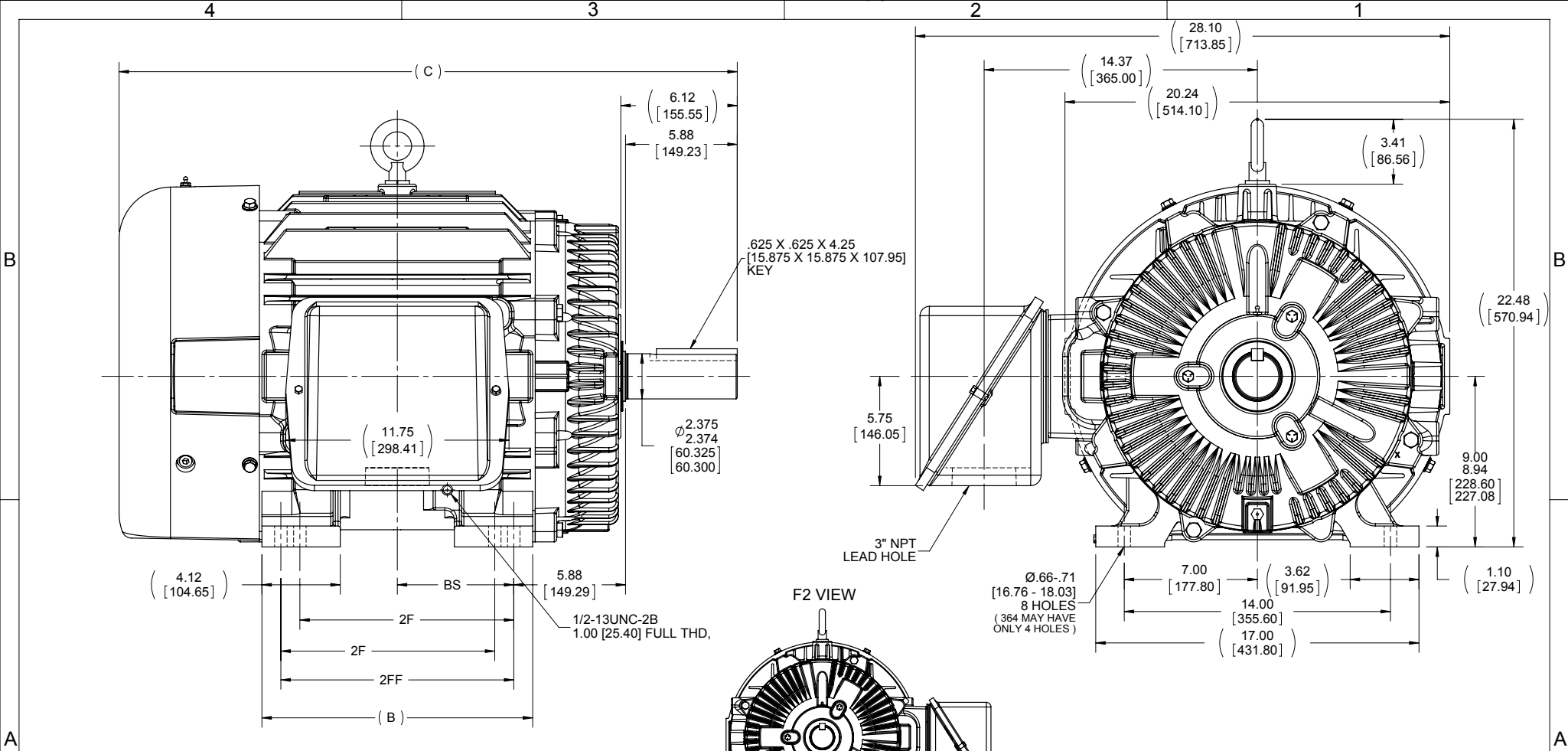
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	460 V
Current	53.0 A	Speed	875 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	365T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6314
Opp Drive End Bearing Size	6312	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	8	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	32.51 in	Frame Length	14.50 in
Shaft Diameter	2.375 in	Shaft Extension	6.12 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS508590-1450	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. 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
ECO ECO-0061089	APPROVED BY	DATE
CORRECTED F2 VIEW DISPLAY		
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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]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/ 381] CORNER FILLETS: .02 [51] MACHINED SURFACES: 200/ mm SHOWN IN [BRACKETS] 5.1			

DRAWN BY TLB	DATE 01-29-1988
APPROVED BY ML	DATE 01-29-1988
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 360T FR. - TEFC - GROUND LUG - TAPPED LEAD HOLE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS508590
	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 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

365THFS19101



Date: 6/29/2017
 Customer:
 Attention:
 Submitted by: FAREEDA DUDEKULA

365THFS19101
 Submittal
 Data @ 460 V

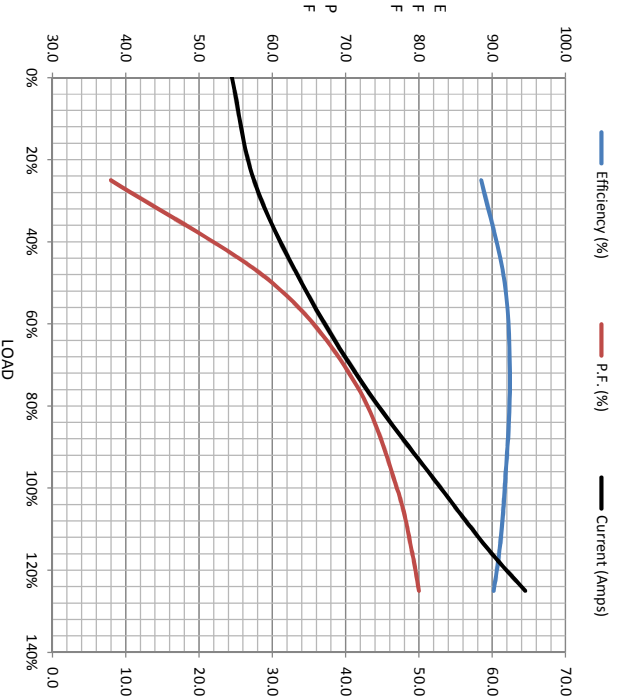
Load	Motor Load Data							
	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	24.5	27.5	34.0	42.5	53.0	59.5	64.5	290
Torque (ft-lb)	0.00	58.8	118	179	240	278	303	375
RPM	900	895	888	882	875	870	865	0
Efficiency (%)		88.5	91.7	92.4	91.7	91.0	90.2	
P.F. (%)	4.0	38.0	60.0	71.5	77.0	79.0	80.0	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	500	750	875	900
Current (Amps)	290	250	200	53.0	24.5
Torque (ft-lb)	375	300	625	240	0.00

Information Block

HP	40.0			
Sync. RPM	900			
Frame	365			
Enclosure	TEFC			
Construction	TFS			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ^e	18.5 Lb-Fe			
Ret Wdg	T365841 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS508590-1450			
Conn. Diag	A-EE7300			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1280	0.1490	0.6210	0.6700	10.2810



Speed - Torque Curve

