

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 364TTFCA6086

Catalog No: GT1035

Globetrotter® General Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
1200 & 1000 RPM, 364T Frame, TEFC



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**RegalRexnord**

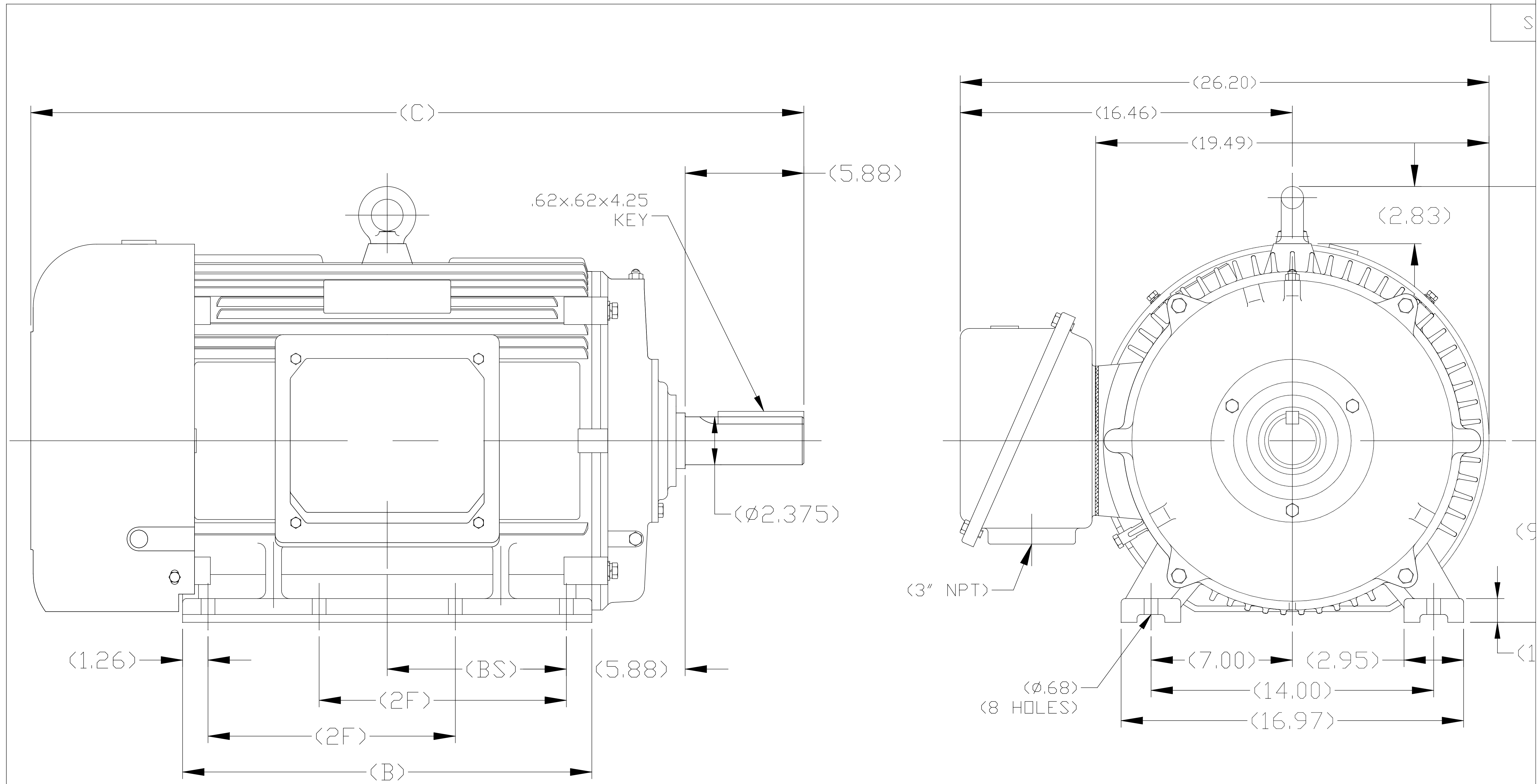
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>40 &amp; 30 Hp</b>
Output KW	<b>30.0 &amp; 22.4 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1188 &amp; 990 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>364T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>94.1 &amp; 94.1 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>94/47 &amp; 87/43.5 A</b>	Power Factor	<b>83</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6314</b>	Opp Drive End Bearing Size	<b>6313</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Wye Start Delta Run</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.1559 Ohms</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>36.61 in</b>
Shaft Diameter	<b>2.375 in</b>	Shaft Extension	<b>5.87 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Connection Drawing	<b>A-EE7308AA</b>	Outline Drawing	<b>SS620115-364T</b>


S



(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)

364T	36.61	18.50	11.25	7.99
365T	38.39	20.28	12.25	8.88
FRAME	C	B	2F	BS

(MAY NOT BE DRAWN TO SCALE)

		TOLERANCES UNLESS SPECIFIED		 <b>REGAL - BELOIT CORPORATION</b>	DRA
		DEC.	INCHES		CHK
		X	±.1		APP
		XX	±.03	TITLE	SCA
K	CORRECTED DESCRIPTION ECD-0112150	WGJ 10/31/16	EH XXX ±.005	364/365T FR. - TEFC - CAST IRON	REF
1	ADDED 'BS' DIM. PER. ECD-0048910	RFH04/07/2014	EH XXXX ±.0005	MAT'L.	FMP
NO.	REVISION	BY & DATE	CHK ANG ±1/2	FINISH	PRE
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT		RFP	CAD FILE	SS620115	SIZE
		DIST			DRAWING NO.
				B	SS62



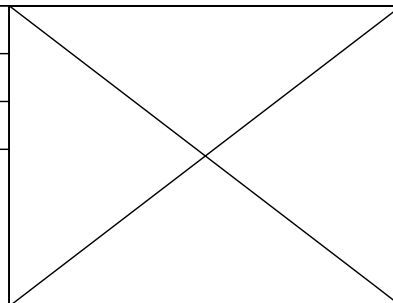
### LOW VOLTAGE



### HIGH VOLTAGE



DRAWING REVISION <b>K</b>	REVISION BY <b>AJW</b>	DATE <b>07-17-2015</b>
ECO <b>ECO-0081632</b>	APPROVED BY <b>T. VUE</b>	DATE <b>07-17-2015</b>
ECO DESCRIPTION <b>REV'D IEC MARKINGS PER IEC 60034-8</b>		
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DRAWN BY <b>LZ</b>	<b>Regal Beloit America, Inc.</b>		
DATE <b>01-12-1994</b>			
APPROVED BY <b>GK</b>	DESCRIPTION <b>CONN DIAGRAM-EXTERNAL</b>		
DATE <b>01-14-1994</b>	<b>3Ø-2/1 DELTA-12 LEADS</b>		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE <b>A</b>	DRAWING NUMBER <b>EE7308AA</b>	SHEET <b>1 OF 1</b>

**CERTIFICATION DATA SHEET**

**Model#:** 364TTFCA6086 AB      **WINDING#:** CHT36460001 NONE 1  
**CONN. DIAGRAM:** A-EE7308AA      **ASSEMBLY:** F1/F2 CAPABLE  
**OUTLINE:** B-SS620115

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30&22.4	1200	1188&990	364T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	94/47&87/43.5	WYE START DELTA RUN	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 94.1&94.1	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83&83	3/4 LOAD PF: 78	1/2 LOAD PF: 69	94.1	SQ CAGE IND RUN	36 / 18

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	556 / 278	315 LB-FT 180	475 LB-FT 268	48

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	25 LB-FT^2	- LB-FT^2	20 SEC.	2	1075 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	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	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	6313						

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

\*  
N  
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S  
\*

INVERTER TORQUE: NONE
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

DATE: 06/21/2017 08:21:40 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

**Data Sheet**

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



364TTFCA6086

**Submittal**

Data @ 460 V

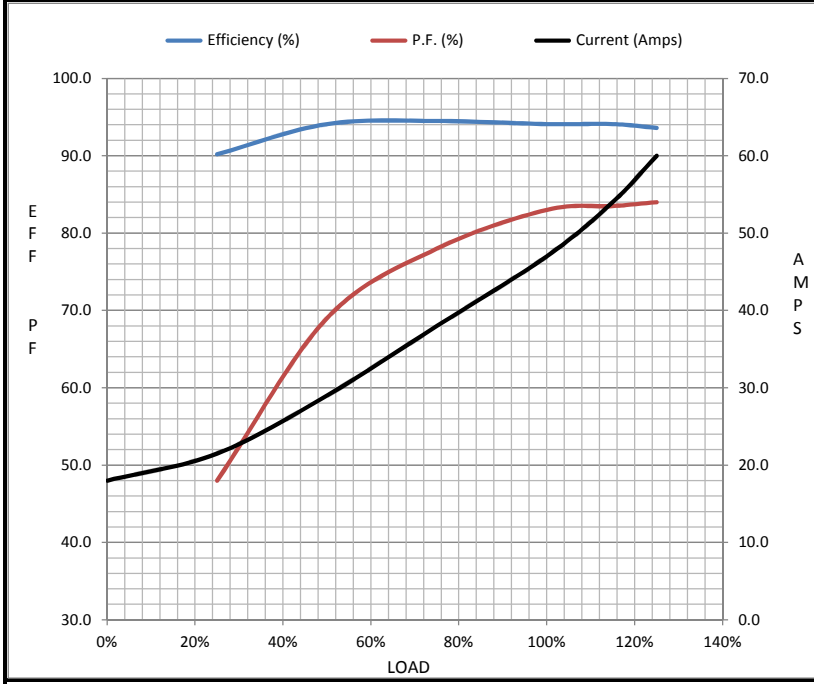
**Motor Load Data**

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	18.0	21.5	29.0	38.0	47.0	54.0	60.0	278
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	315
RPM	1200	1198	1195	1192	1188	1,185	1182	0
Efficiency (%)		90.2	94.1	94.5	94.1	94.1	93.6	
P.F. (%)	5.0	48.0	69.0	78.0	83.0	83.5	84.0	33.0

**Motor Speed Data**

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1130	1188	1200
Current (Amps)	278	250	182	47.0	18.0
Torque (ft-lb)	315	282	475	177	0.00

Information Block				
HP	40.0			
Sync. RPM	1200			
Frame	364			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#190/38(V)			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	48 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	25.0 Lb-Ft <sup>2</sup>			
Ref Wdg	CHT36460001 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS620115			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1060	0.0590	0.4430	0.8140	14.7470



**Speed - Torque Curve**

