

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 404TTDC6086

Catalog No: GT0041

Globetrotter® General Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1200 & 1000 RPM, 404T Frame, DP



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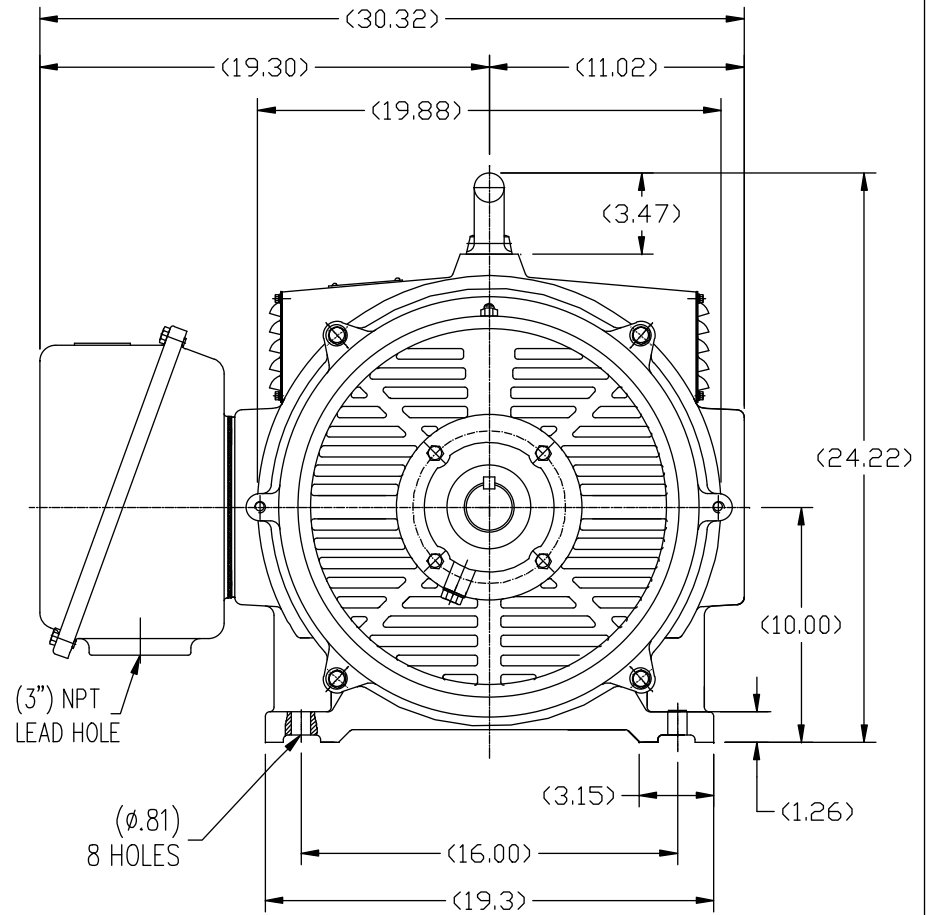
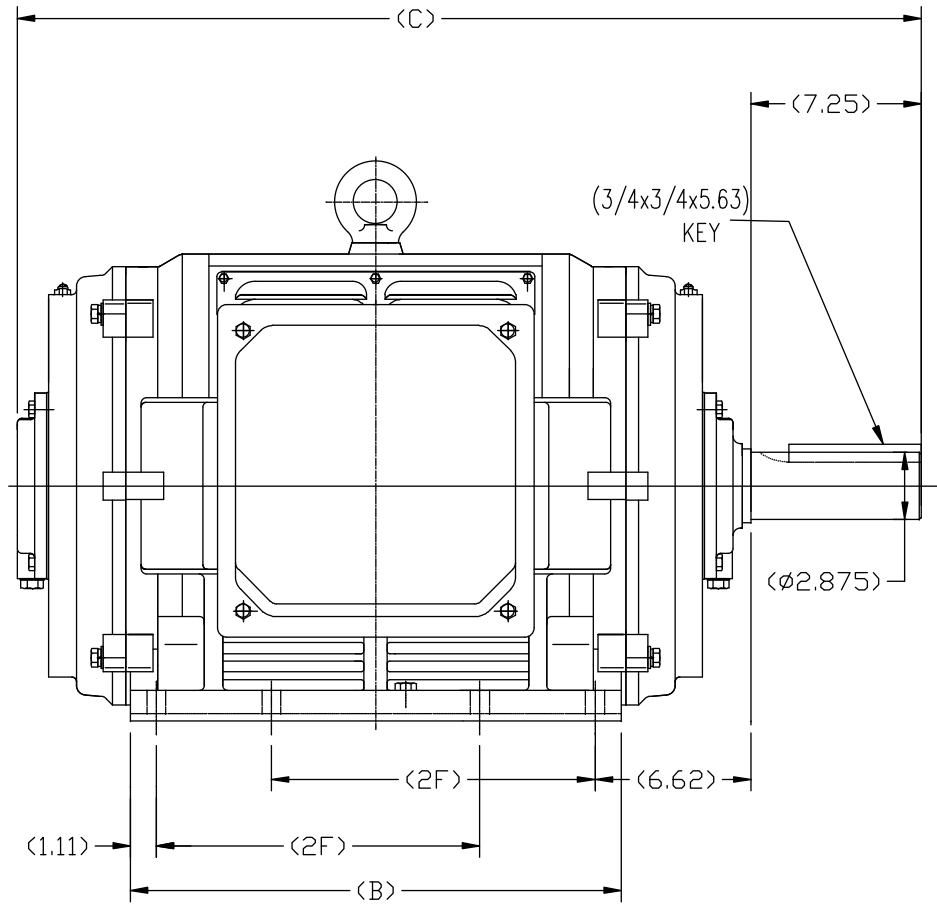
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	60 & 50 Hp
Output KW	45.0 & 37.0 kW	Voltage	230/460 & 190/380 V
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15
Frame	404T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	144/72 & 144/72 A	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6315
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.102 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	37.20 in
Shaft Diameter	2.875 in	Shaft Extension	7.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620253-404T	Connection Drawing	A-EE7308AA



404T	37.20	19.29	12.25
405T	38.78	20.87	13.75
FRAME	C	B	2F

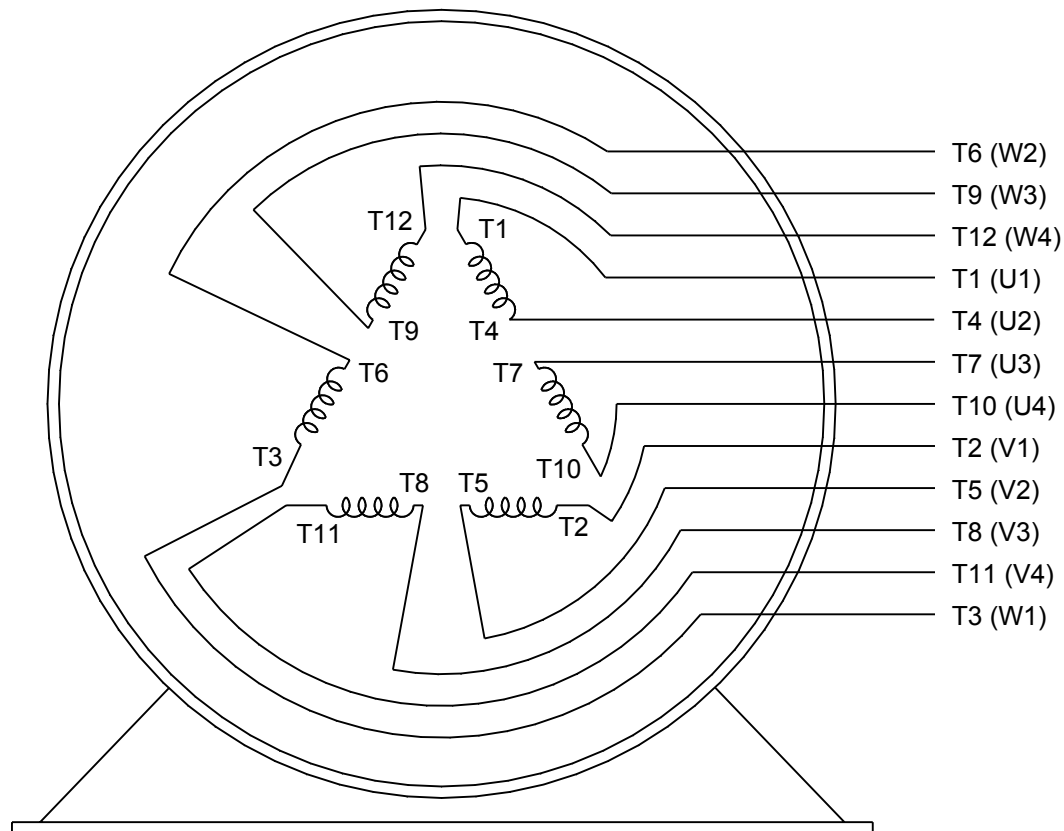
TOLERANCES UNLESS SPECIFIED				REGAL REGAL-BELOIT CORPORATION		DRAWN HZJ 03-04-2010	
DEC.	INCHES					CHK	ZYH 03-04-2010
.X	±.1			TITLE OUTLINE 404/405T FR-ODP-CAST IRON		APPD	CL 03-04-2010
.XX	±.03					SCALE	1=75
.XXX	±.005					REF	
.XXXX	±.0005					FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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				DIST			DRAWING NO.
							B
							SS620253
							REV.



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 404TTDC6086 AA
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS620253

WINDING#: CHT40460002 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45&37	1200	1190&990	404T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	144/72&144/7 2	PWS & YDRUN OR INV	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 94.5&94.1	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82.5&83	3/4 LOAD PF: 79	1/2 LOAD PF: 69.5	94.1	SQ CAGE INV RATED	54 / 27

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
265 LB-FT	870 / 435	525 LB-FT 198	700 LB-FT 250	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	42 LB-FT^2	850 LB-FT^2	20 SEC.	2	1150 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
6316	6315						

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 O T E S *	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

DATE: 06/21/2017 07:54:55 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



404TTDC6086

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	27.0	32.0	43.0	56.5	72.0	83.0	90.0	435	
Torque (ft-lb)	0.00	66.0	132	198	265	305	332	525	
RPM	1200	1198	1195	1192	1190	1,188	1186	0	
Efficiency (%)		91.0	94.1	94.5	94.5	94.5	94.1		
P.F. (%)	4.5	48.0	69.5	79.0	82.5	83.0	83.0	37.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	500	1125	1190	1200	HP	60.0			
Current (Amps)	435	400	270	72.0	27.0	Sync. RPM	1200			
Torque (ft-lb)	525	450	700	265	0.00	Frame	404			
— Efficiency (%) — P.F. (%) — Current (Amps) EFFICIENCY, P.F., AND CURRENT VS. LOAD						Enclosure	DP			
						Construction	TDC			
						Voltage	30/460#190/381 V			
						Frequency	60 Hz			
						Design	B			
						LR Code letter	G			
						Service Factor	1.15			
						Temp Rise @ FL	35 ° C			
						Duty	CONT			
						Ambient	40 ° C			
						Elevation	1,000 feet			
						Rotor/Shaft wk ²	42.0 Lb-Ft ²			
						Ref Wdg	CHT40460002 NONE			
						Sound Pressure @ 1M	75 dBA			
						VFD Rating	VARIABLE 10:1			
						Outline Dwg	B-SS620253			
						Conn. Diag	A-EE7308AA			
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1		R2		X1		X2		Xm		
0.0640		0.0330		0.2900		0.6080		10.0700		

Speed -Torque Curve

