

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFB6078

Catalog No: GT1205

Globetrotter® General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1200 & 1000 RPM, 182TC Frame, TEFC



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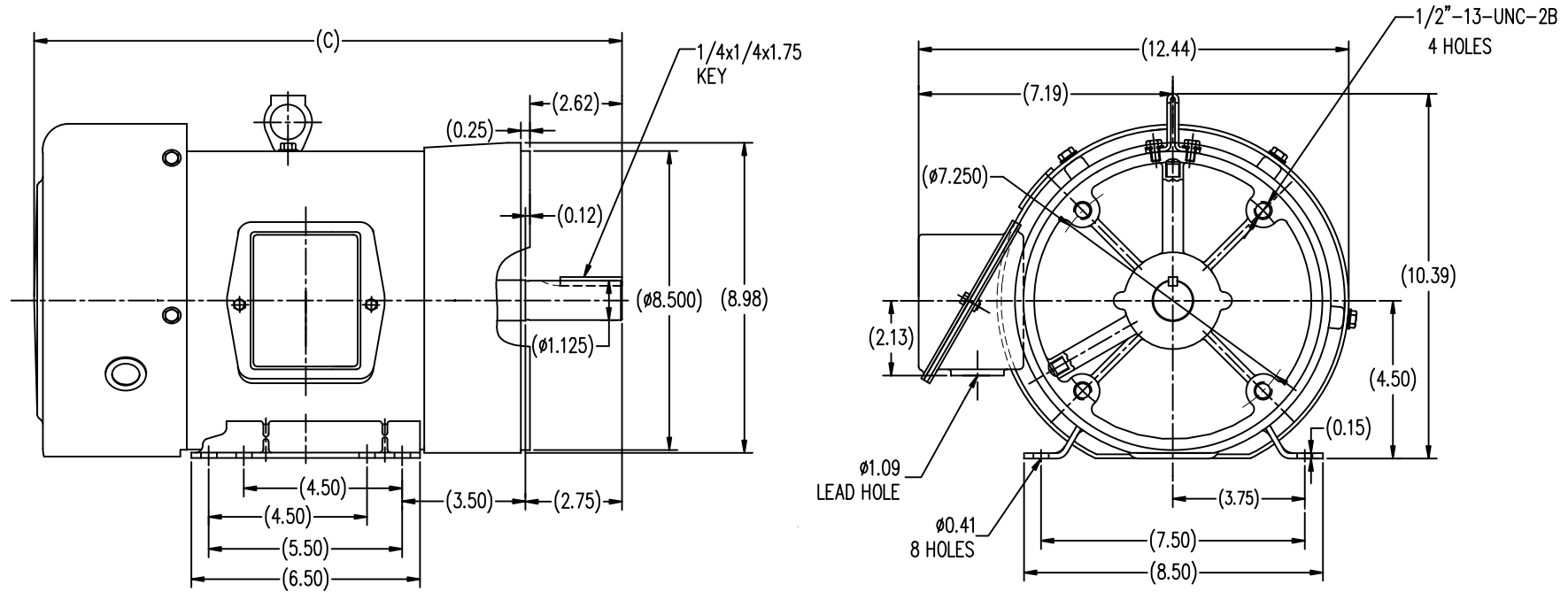
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1185 & 990 rpm	Service Factor	1.15 & 1.0
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.8/2.4 & 4/2 A	Power Factor	69
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

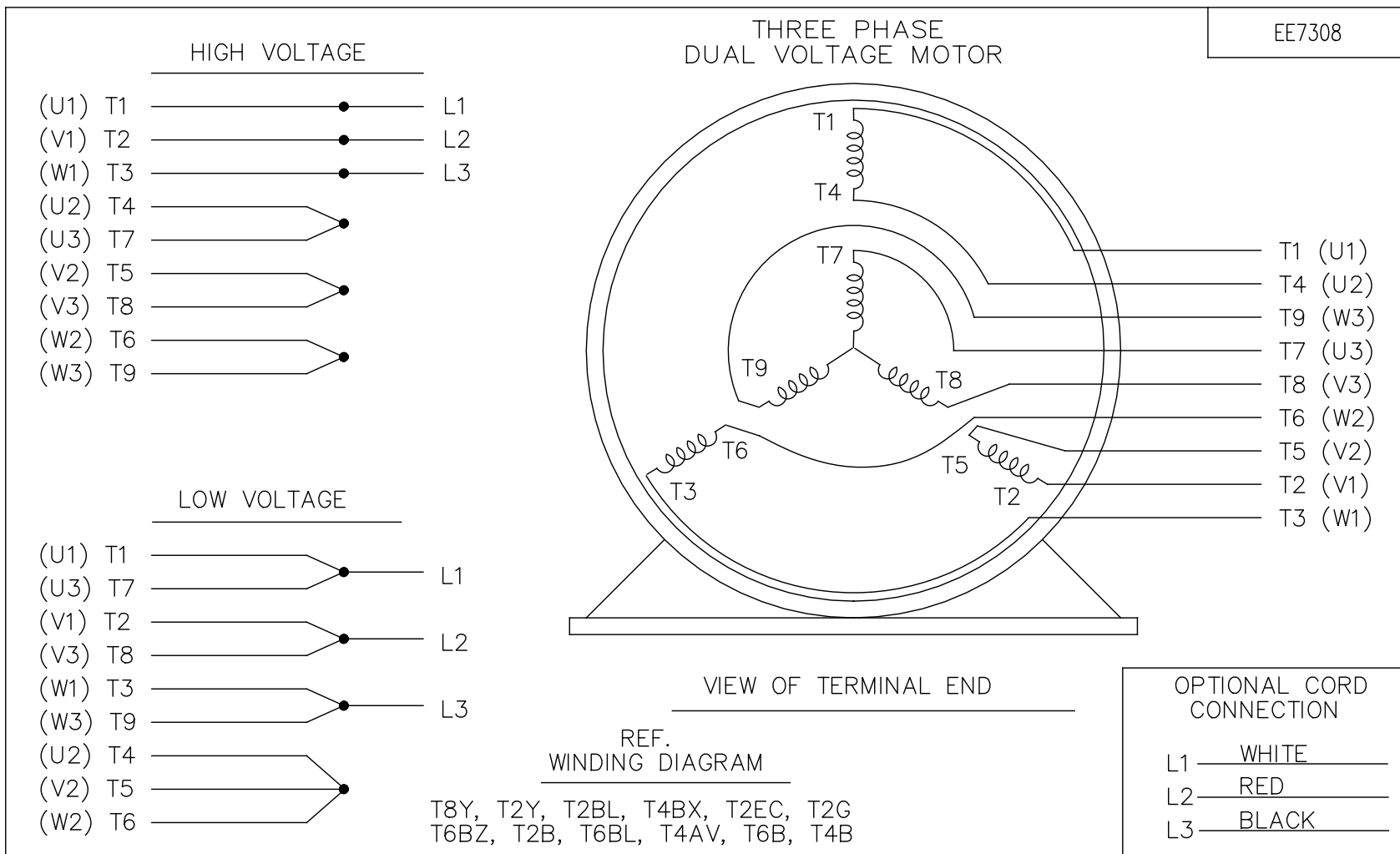
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	5.95 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	15.75 in
Shaft Diameter	1.125 in	Shaft Extension	2.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620296-182TC	Connection Drawing	A-EE7308



TTFB 182TC	15.75
TTFB 184TC	16.73
FRAME	C

TOLERANCES UNLESS SPECIFIED		DRAWN		SY 4-19-2010	
DEC.	INCHES	CHK		ZYH 4-19-2010	
.X	±.1	APPD		CL 4-19-2010	
.XX	±.03	SCALE		1=4	
.XXX	±.005	REF		FMF HWADA	
.XXXX	±.0005	PREV			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2
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	SS620296
			DIST	SIZE	B
			DRAWING NO.		SS620296
			REV.		



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM	11/20/1990
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML	11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS	04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR		REF
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH		PREV
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			DIST WP				A	EE7308

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CERTIFICATION DATA SHEET

Model#: 182TTFB6078 AA
 CONN. DIAGRAM: A-EE7308
 OUTLINE: B-SS620296

WINDING#: CHT18260001 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1200	1185&990	182TC	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	4.8/2.4&4/2	ACROSS THE LINE	CONTINUOU S	F7	1.15/1.0	40	3300

FULL LOAD EFF: 87.5&85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 69&63.5	3/4 LOAD PF: 61	1/2 LOAD PF: 48	86.5	SQ CAGE IND RUN	3 / 1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.7 LB-FT	34 / 17	11.5 LB-FT 170	20.5 LB-FT 305	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	0.45 LB-FT^2	32 LB-FT^2	25 SEC.	2	105 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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)	ROLLED STEEL
6206	6205						

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: 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: 06/27/2017 02:11:41 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 20-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

182TTFB6078



Submittal

Data @ 460 V

Motor Load Data

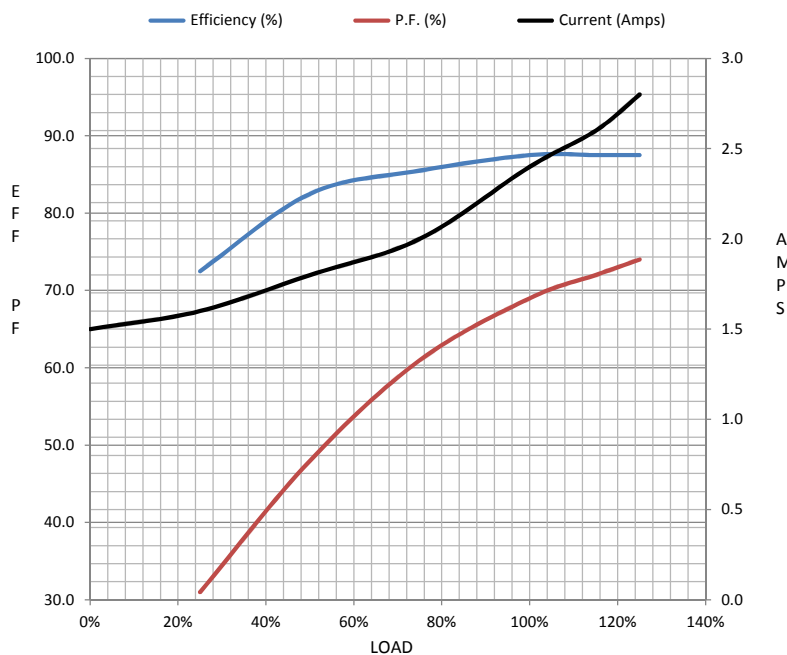
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.60	1.80	2.00	2.40	2.60	2.80	17.0	
Torque (ft-lb)	0.00	1.70	3.3	5.0	6.7	7.7	8.4	11.5	
RPM	1200	1195	1192	1188	1185	1,182	1180	0	
Efficiency (%)		72.5	82.5	85.5	87.5	87.5	87.5		
P.F. (%)	8.0	31.0	48.0	61.0	69.0	72.0	74.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1185	1200
Current (Amps)	17.0	14.0	9.5	2.40	1.50
Torque (ft-lb)	11.5	10.0	20.5	6.7	0.00

Information Block

HP	1.5			
Sync. RPM	1200			
Frame	182			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#190/38(V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.45 Lb-Ft²			
Ref Wdg	CHT18260001 NONE			
Sound Pressure @ 1M	55 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS620296			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.4020	1.8900	10.7730	14.5530	172.9350



Speed -Torque Curve

