

PRODUCT INFORMATION PACKET

Model No: 145TTDR6013

Catalog No: GT0409

Globetrotter® Close-Coupled Pump Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 145JM Frame, DP

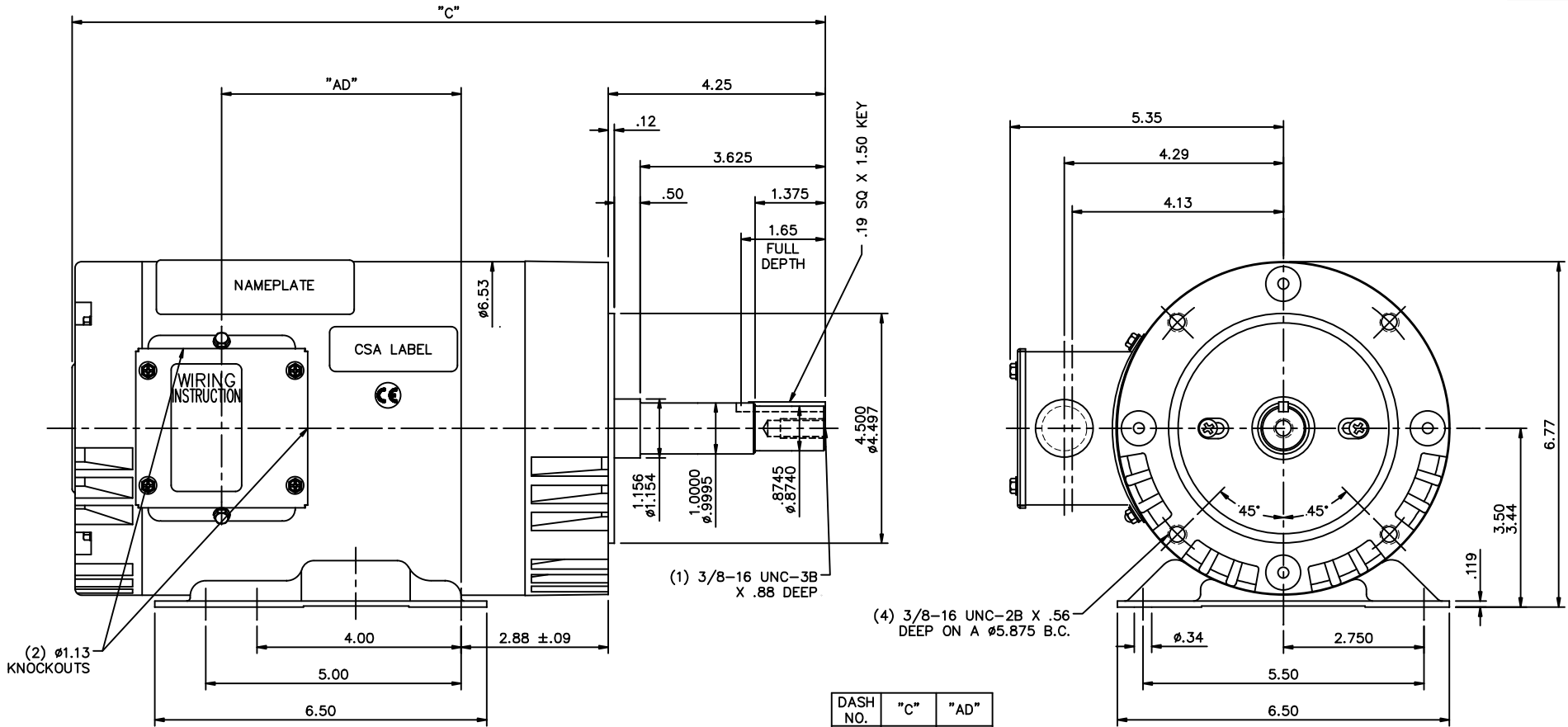


Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	3490 & 2880 rpm	Service Factor	1.15 & 1.0
Frame	145JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 & 89.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.2/3.6 & 6.2/3.1 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	14.75 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	029012-825	Connection Drawing	005010.01ME



DASH NO.	"C"	"AD"
650	13.75	3.69
700	14.25	4.19
750	14.75	4.69
800	15.25	5.19
825	15.50	5.44
850	15.75	5.69
875	16.00	5.94
900	16.25	6.19
950	16.75	6.69

MAXIMUM FACE RUNOUT .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

NO.		REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	MARATHON ELECTRIC		DRAWN	JD 10/11/10
						.X	±.1				CHK	
						.XX	±.03		TITLE		APPD	
						.XXX	±.005		OUTLINE - 145JM FRAME DRIP PROOF - RIGID "C"		SCALE	1=2
						.XXXX	±.0005		MAT'L		REF	028950
									JM PUMP MOTOR		FMF	
											PREV	
						RFP			CAD FILE	029012	SIZE	DRAWING NO.
						DIST					B	029012
												REV.

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CERTIFICATION DATA SHEET

Model#: 145TTDR6013 AA WINDING#: T632175 NONE 3
 CONN. DIAGRAM: 005010.01ME ASSEMBLY: F1 ONLY
 OUTLINE: 029012-750

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3490&2880	145JM	DP	K	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	7.2/3.6&6.2/3. 1	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 86.5&89.4	3/4 LOAD EFF: 88.6	1/2 LOAD EFF: 87.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&84.4	3/4 LOAD PF: 83	1/2 LOAD PF: 74.6	0	SQ CAGE INV RATED	2.7 / 1.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	/	- LB-FT -	- LB-FT -	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.084 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 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	JM	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	6203						

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

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INVERTER TORQUE: CONSTANT 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

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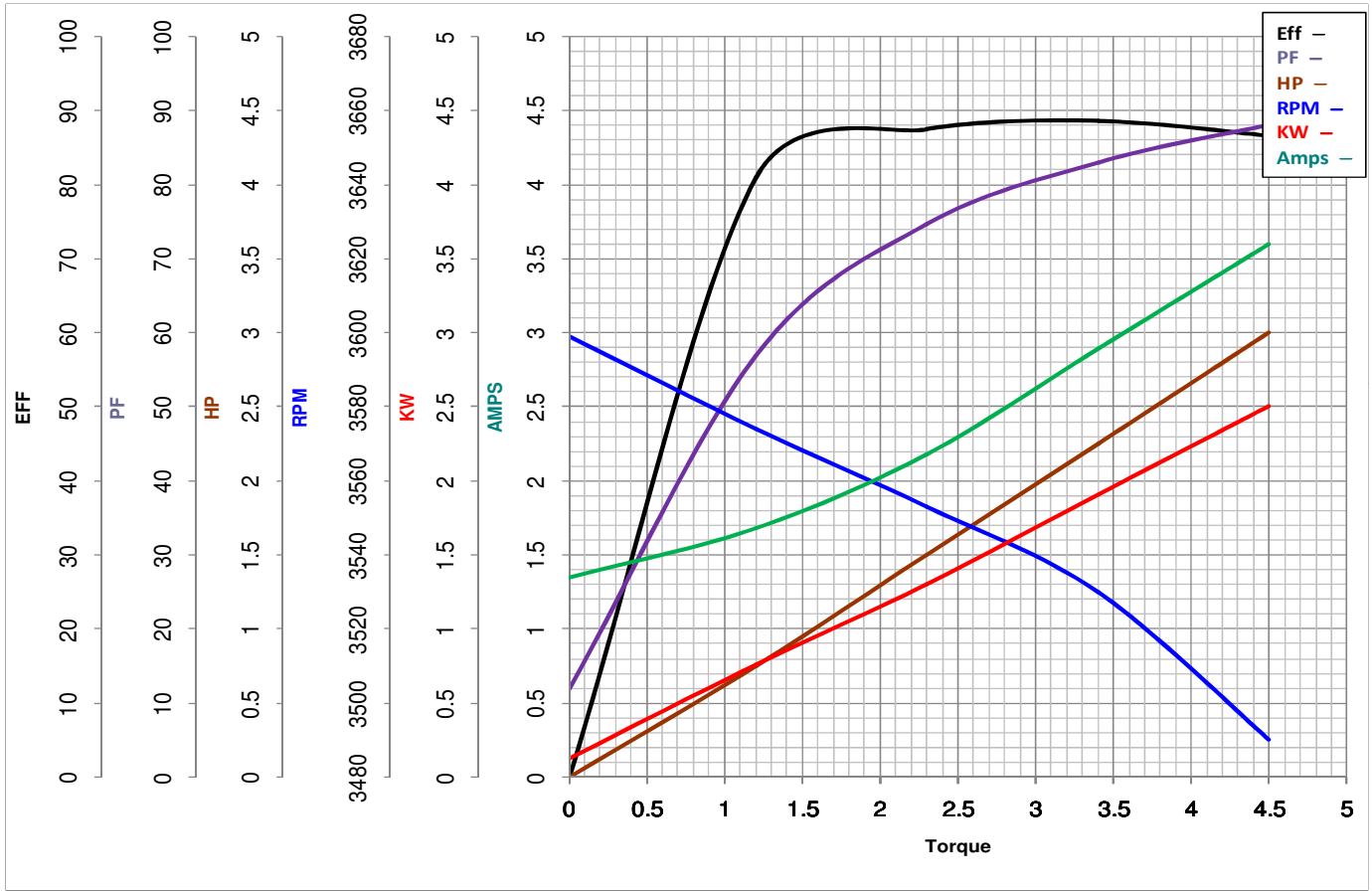
FORM 3531 REV.3 02/07/99

** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 3&2 PHASE 3
60 HZ
3 HP VOLTS 230/460&190/380
 Model No 145TTDR6013
 Catalog No GT0409 HZ 60&50 RPM 3490&2880



		Torque in Lb.Ft	
FL TORQUE	<u>4.5</u> Lb.Ft	FL AMPS	<u>7.2/3.6</u>
BD TORQUE	<u>26.6</u> Lb.Ft	PU TORQUE	<u>22.2</u> Lb.Ft
LR TORQUE	<u>22.7</u> Lb.Ft	LR AMPS	<u>38.6</u>
WINDING	T632175-3	Date	1/25/2019

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 145TTDR6013

(Model No. may contain prefix and/or suffix characters)

Catalog No : GT0409

Rework No : N/A

Directives :

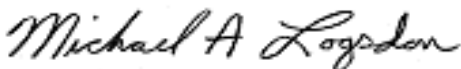
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

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