

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 145TBDR5337

Catalog No: I127

2 HP Pressure Washers Motor, 1 phase, 1800 RPM, 115/208-230 V, 145T Frame, ODP
Pressure Washer Motors



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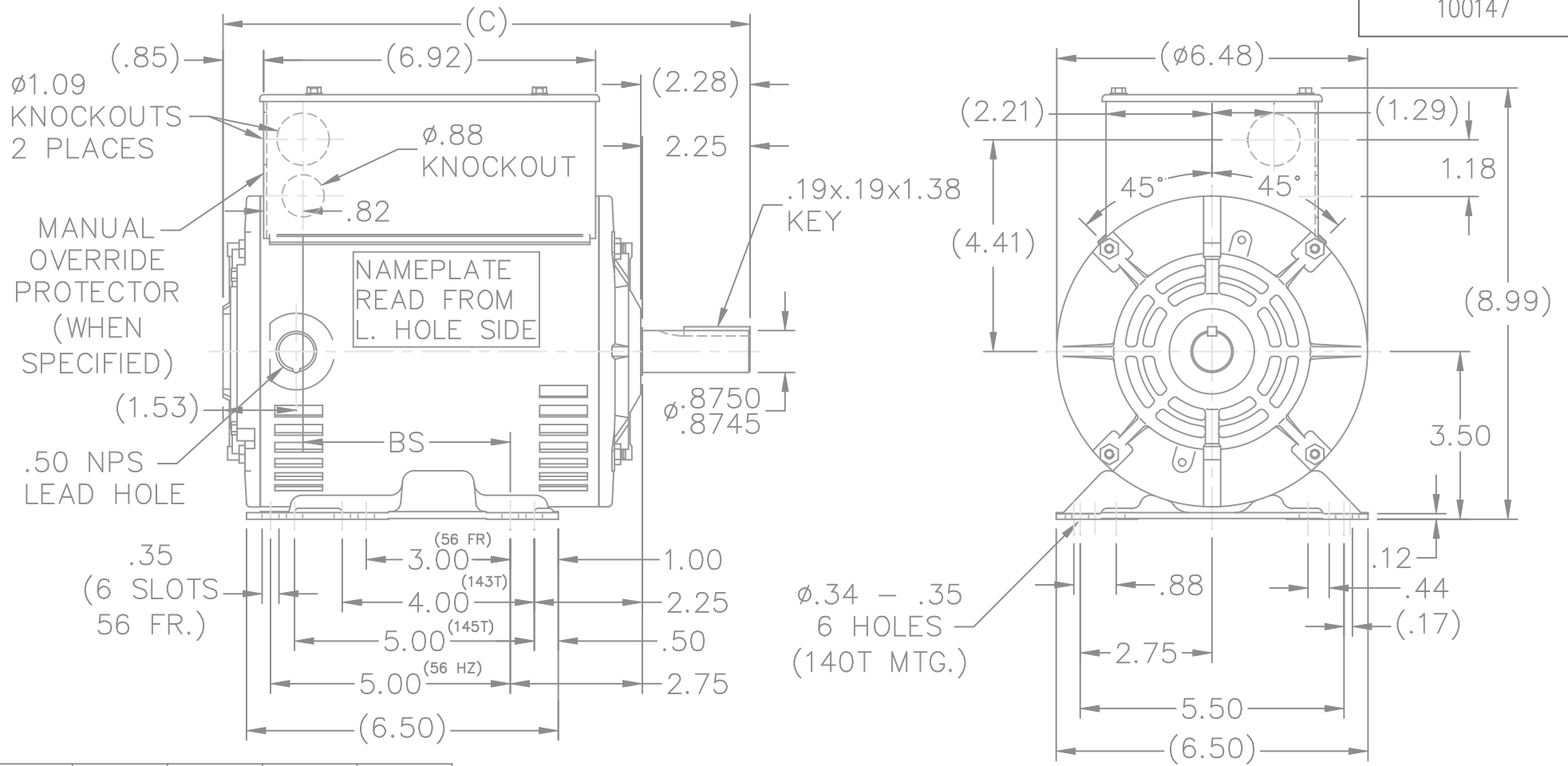
RegalRexnord

Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	18.8/10.2-9.4 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	81.5 %	Power Factor	86.1
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Frame	145T	Enclosure	Drip Proof
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized (Not Protector)	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

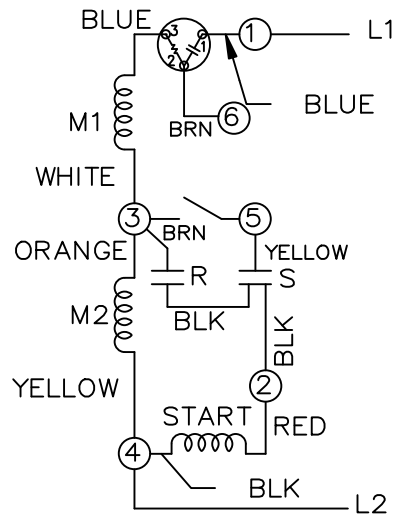
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.49 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	2.28 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100147-956	Connection Drawing	102006-2



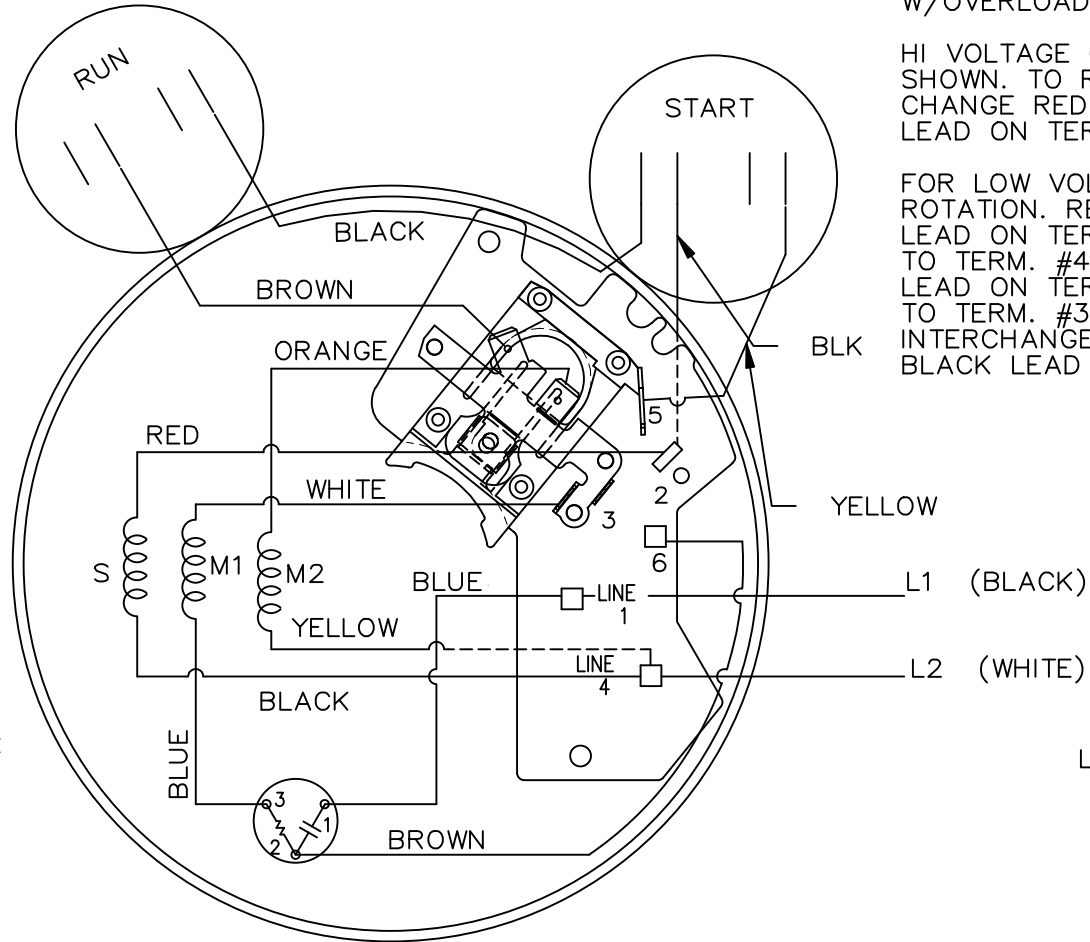
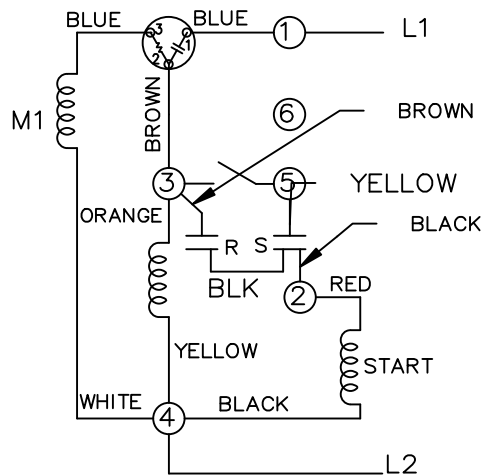
DASH	FR.	C	BS	
956	145T	13.49	6.82	

				TOLERANCES UNLESS SPECIFIED			DRAWN MH 03-24-1998			
				DEC.	INCHES		CHK ML 03-31-1998			
				.X	$\pm .1$		APPD GK 03-31-1998			
				.XX	$\pm .03$		SCALE 5=16			
4	REDRAWN IN AUTOCAD	TAT 05-09-2005	ML	.XXX	$\pm .005$	TITLE OUTLINE 140T & 56HZ FR. - DR.PR. - 1 ϕ MAT'L. FINISH	REF			
3	REDRAWN ON CADD - NO CHANGES	MH 03-31-1998		.XXXX	$\pm .0005$		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 7'30''$		PREV			
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 100147		SIZE A	DRAWING NO. 100147	PAGE OF 4
				DIST	WP					

HIGH VOLTAGE C.C.W.



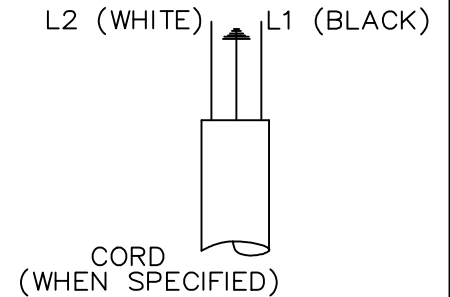
LOW VOLTAGE C.C.W.



DUAL VOLTAGE CAPACITOR
START, CAPACITOR RUN
W/OVERLOAD AND SELECT ROTATION

HI VOLTAGE C.C.W. ROTATION
SHOWN. TO REVERSE INTER-
CHANGE RED WITH BLACK
LEAD ON TERMS. 2 & 4.

FOR LOW VOLTAGE C.C.W.
ROTATION. REMOVE WHITE
LEAD ON TERM. #3 & ATTACH
TO TERM. #4. REMOVE BROWN
LEAD ON TERM. #6 ATTACH
TO TERM. #3. TO REVERSE
INTERCHANGE RED WITH
BLACK LEAD ON TERMS. 2 & 4.



				TOLERANCES UNLESS SPECIFIED			DRAWN PGK 08-26-1996					
				DEC.	INCHES		CHK	ML	09-05-1996			
				.X	±.1		APPD	GK	09-05-1996			
				.XX	±.02		SCALE 5=8					
7	UPDATED PER IS11-3490	PN 8/31/2011	VC	.XXX	±.005	TITLE CONNECTION DIAGRAM				REF		
6	REDRAWN ON CADD	PGK 09-05-1996		.XXXX	±.0005	MAT'L.				FMP		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH				PREV		
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			DIST WP					A	102006-2		7	

CERTIFICATION DATA SHEET

Model#: 145TBDR5337 AF
 CONN. DIAGRAM: 102006-2
 OUTLINE: A-100147-956

WINDING#: ZB411 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1740	145T	DP	J	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	18.8/10.2-9.4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 81.5	3/4 LOAD EFF: 79.2	1/2 LOAD EFF: 74.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86.1	3/4 LOAD PF: 82	1/2 LOAD PF: 73.7	0	CAP START CAP RUN	7.8 / 3.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.02 LB-FT	127 / 63.5	15.9 LB-FT 264	14.9 LB-FT 248	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	0 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	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6205	6203	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	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 PPR
* N O T E S *	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

DATE: 06/21/2017 11:29:47 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

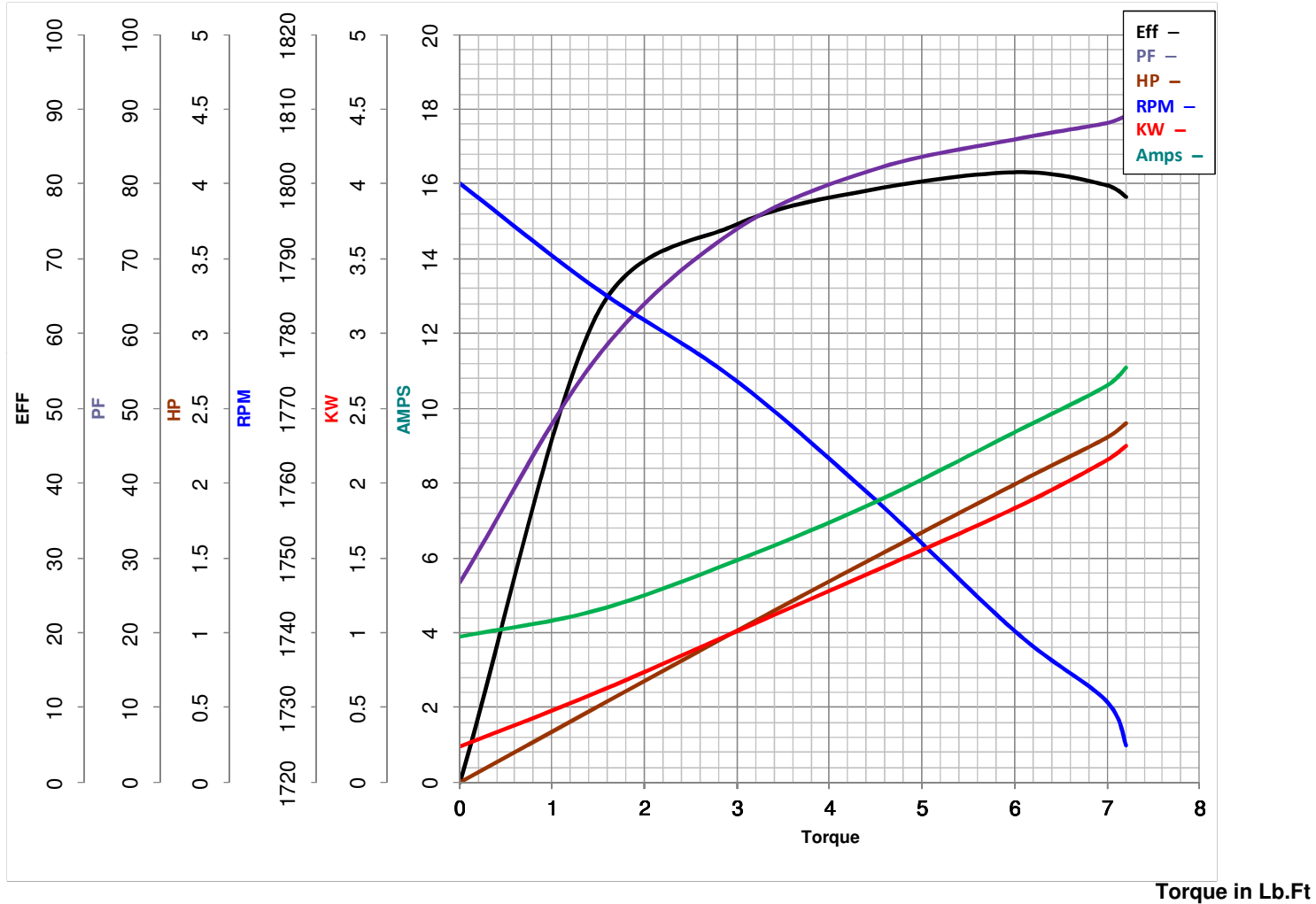
Volts

HP 2.00PHASE 1Model No 145TBDR533760

HZ

VOLTS 115/208-2302

HP

Catalog No 1127HZ 60RPM 1740

Torque in Lb.Ft

FL TORQUE 6.02 Lb.FtBD TORQUE 14.9 Lb.FtLR TORQUE 15.9 Lb.FtFL AMPS 18.8/10.2-9.4PU TORQUE 14.3 Lb.FtLR AMPS 63.5

WINDING ZB411-3

Prepared By

VINAYAK

Date

8/23/2017