

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTWW6003

Catalog No: N317A

PowerWash™ XT Wash Down Duty™ General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz,
230/460 & 190/380 V, 3600 & 3000 RPM, 184T Frame, TEFC



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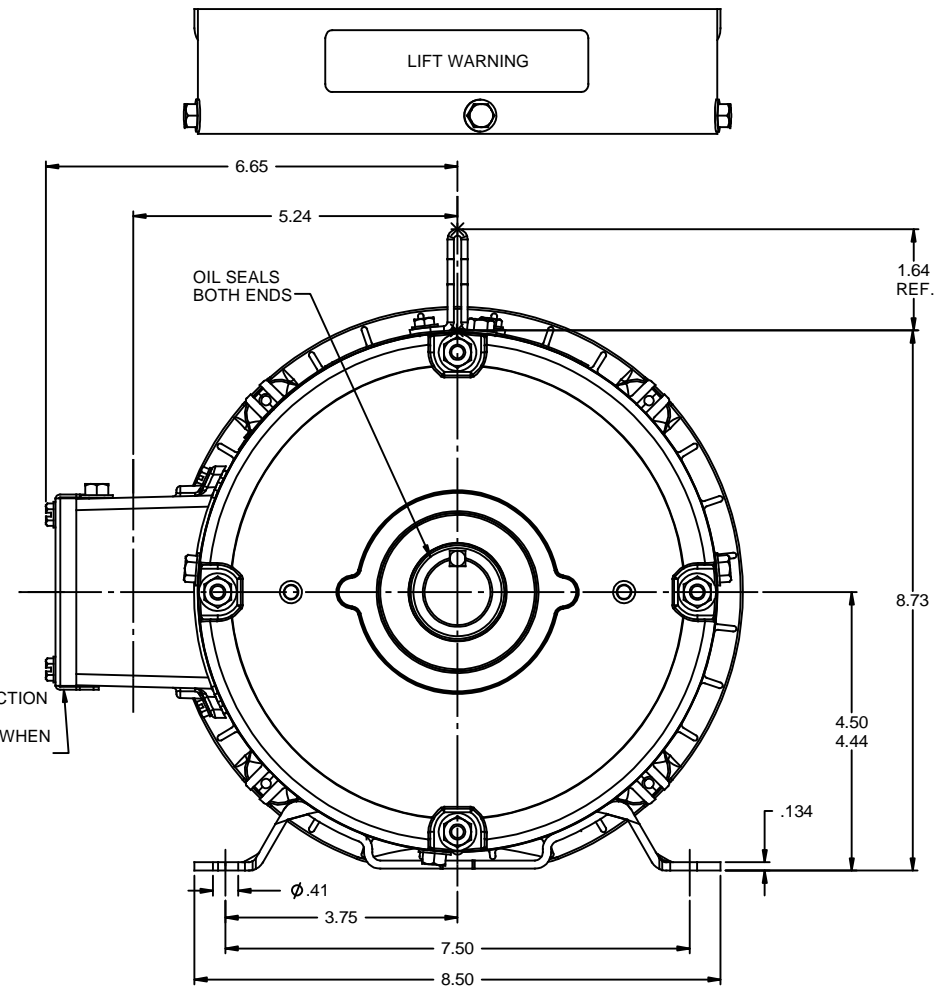
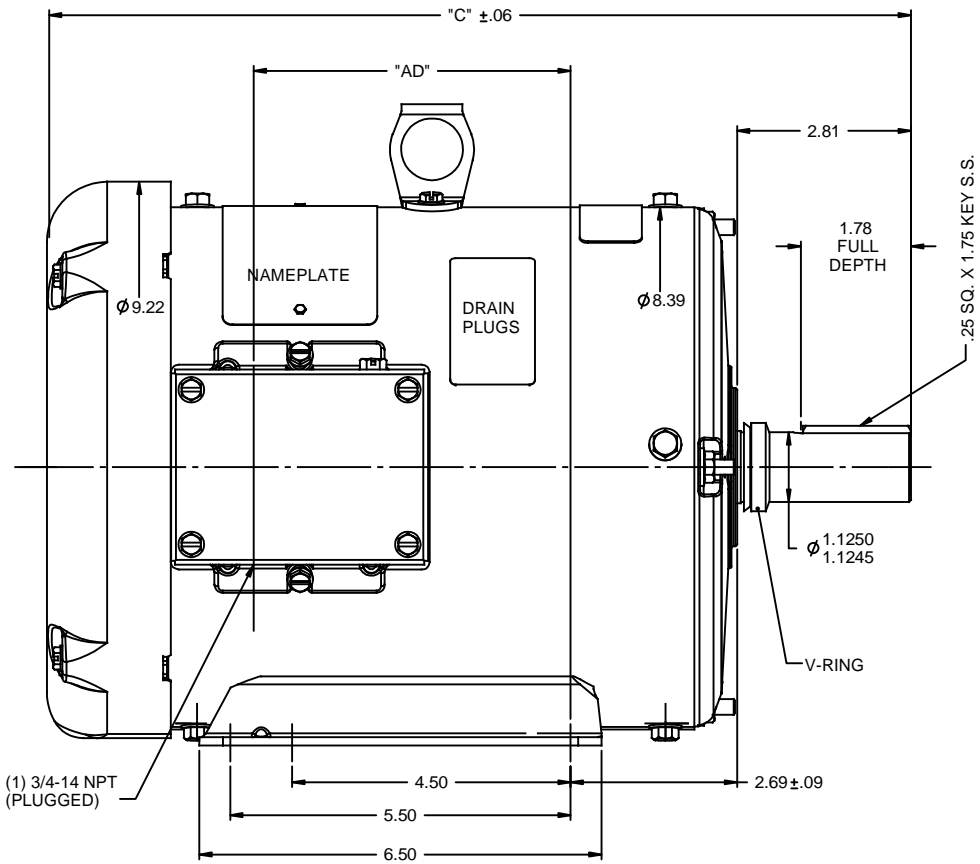
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	3500 & 2925 rpm	Service Factor	1.15 & 1.15
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	17.6/8.8 & 15/7.5 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	L
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	1.3 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	15.96 in
Frame Length	10.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 10:1		
Outline Drawing	035463ME-1050	Connection Drawing	005010.01ME



SPECIAL FEATURES:
 SHAFT SEALS & V-RING
 DRAIN HOLES IN FRAME & CONDUIT BOX
 STAINLESS STEEL SHAFT, HARDWARE
 & NAMEPLATE
 GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
800	13.46	4.62
850	13.96	5.12
900	14.46	5.62
950	14.96	6.12
1000	15.46	6.62
1050	15.96	7.12
1100	16.46	7.62
1150	16.96	8.12

TOLERANCES UNLESS SPECIFIED		marathon [®] electric	DRAWN JD 04/21/2011								
DEC	INCHES		CHK	APPR							
x	±.1	TITLE OUTLINE - 180T FRAME TEFC- RIGID MATL WASHGUARD	SCALE 1:2	REF							
.xx	±.03		REF	FMF							
.xxx	±.005		PAGE	OF							
.xxxX	±.0005		FINISH								
NO	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	RFP	PREV	SIZE	DRAWING NO	REV
	THIRD ANGLE PROJECTION								B	035463-ME	
		NETWORK FILE NAME	035463ME								



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
 ORDER #: _____ REFERENCE MODEL #: 184TTWW6003
 CONN. DIAGRAM: 005010.01ME CAT #: #VALUE!
 OUTLINE: 035463ME-1050 CUSTOMER PART #: _____
 WINDING: T82153 FR 3 MOUNTING: F1/F2 CAPABLE
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
7.5	5.6	3600	3510	184T	TEFC	TFW	L	A	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	17.6/8.8&15/7.5	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	90.1	3/4 LD EFF	91.2	1/2 LD EFF	90.8	GTD EFF	87.5	ELECT. TYPE	
F.L. PF	88.4	3/4 LD PF	84.2	1/2 LD PF	75.2	SQ CAGE INV RATED			
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)					
11.2 LB-FT	87.5	34.6 LB-FT 309%	46.0 LB-FT 411%	70					
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
0 dBA	9 dBA	0.22 LB-FT ²	0 LB-FT ²	15 SEC.	2	0	LB.		

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT	
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	HITE - LEESON (EPO)	
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
DE	ODE	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL		
BALL	BALL								
6207	6205								
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS			
NONE	NOT	NONE	NONE	NONE	FALSE	NA			
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT			
0	0	0	0	0	0.150	ODE			

* N O T E S *					INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE			
					ENCODER: NONE NONE NONE			
					BRAKE: NONE NONE NONE			
					FT-LB: NA VOLTAGE: NONE			
PREPARED BY: FAREEDA DUDEKULA DATE: 9/17/2018				NONE NONE HZ:				
FORM: 3531 REV_4 2/27/06				UL: V-INS, CONST UL REC				

Data Sheet

Date: 12/5/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



184TTWW6003

Submittal

Data @ 460 V

Motor Load Data

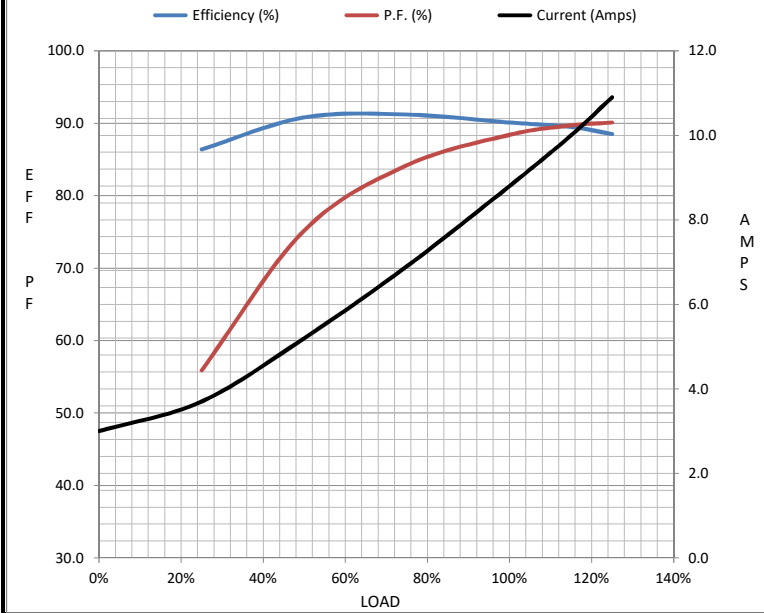
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.0	3.7	5.2	6.9	8.8	10.0	10.9	87.5
Torque (ft-lb)	0.00	2.80	5.6	8.4	11.2	12.9	14.0	34.6
RPM	3600	3579	3556	3535	3510	3,494	3482	0
Efficiency (%)		86.4	90.8	91.2	90.1	89.5	88.5	
P.F. (%)	9.4	55.9	75.2	84.2	88.4	89.7	90.1	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	3312	3510	3600
Current (Amps)	87.5	80.5	52.5	8.8	3.0
Torque (ft-lb)	34.6	33.5	46.0	11.2	0.00

Information Block

HP	7.5			
Sync. RPM	3600			
Frame	184			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	70 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.22 Lb-Ft ²			
Ref Wdg	T82153 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	035463ME-1050			
Conn. Diag	005010.01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

