

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTDW16328

Catalog No: U409B

XRI® General Purpose General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 182T Frame, DP



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RegalRexnord

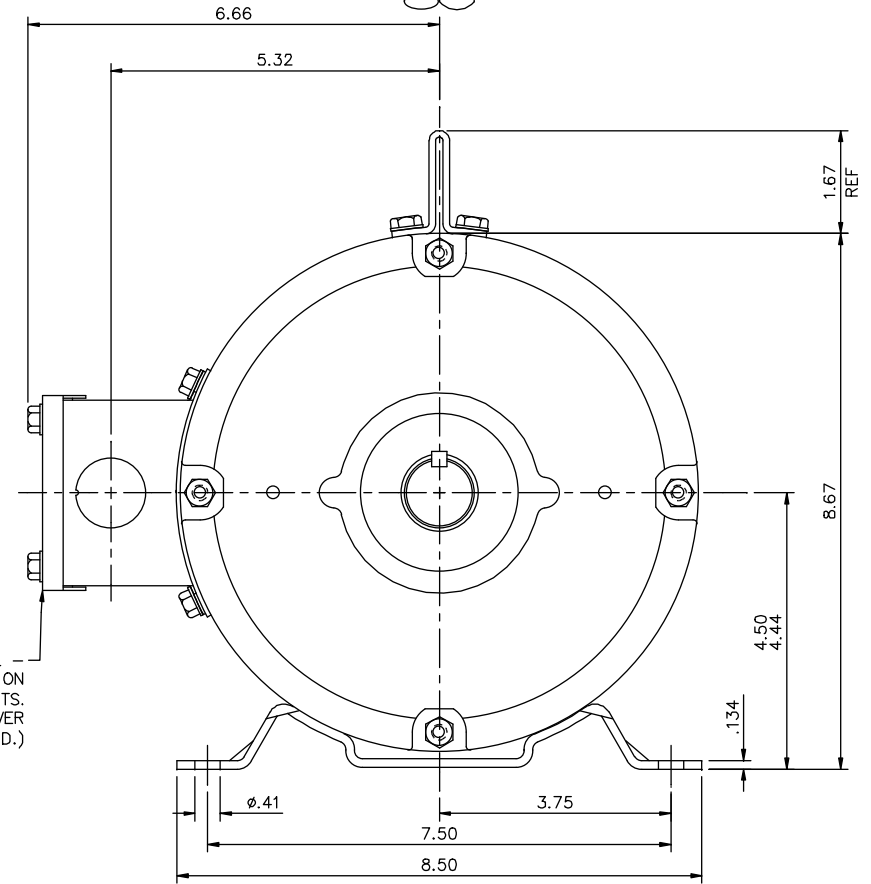
Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1760 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	89.5 & 87.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8/4 & 7/3.5 A	Power Factor	79
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

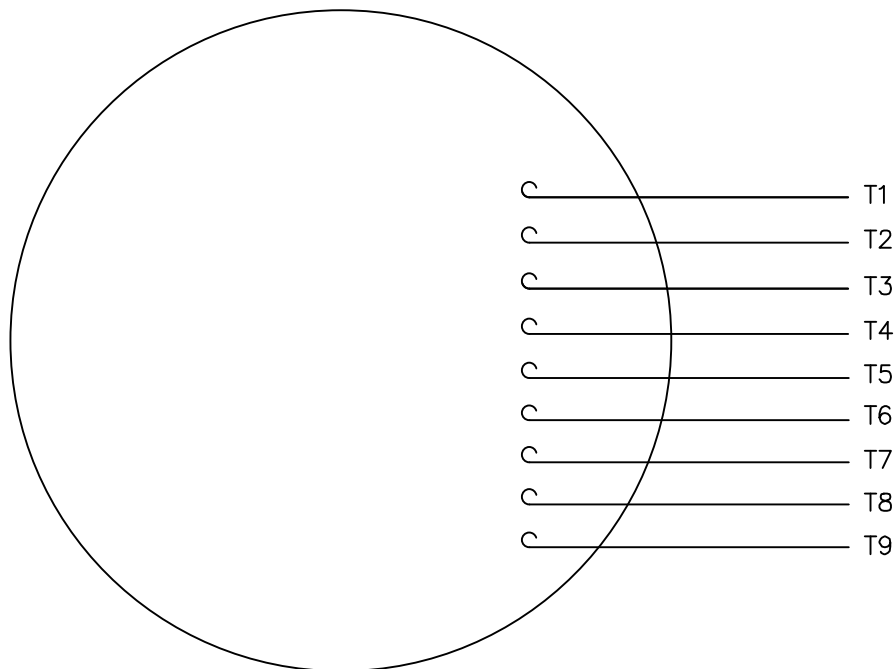
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	3.89 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.19 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035530-900	Connection Drawing	005010.01ME

Diagram illustrating the front view of the machine. A central rectangular label reads "WARNING FOR LIFTING". Below the label is a lifting mechanism with two vertical supports and a horizontal bar. The machine has a wide, flat base with rounded corners.

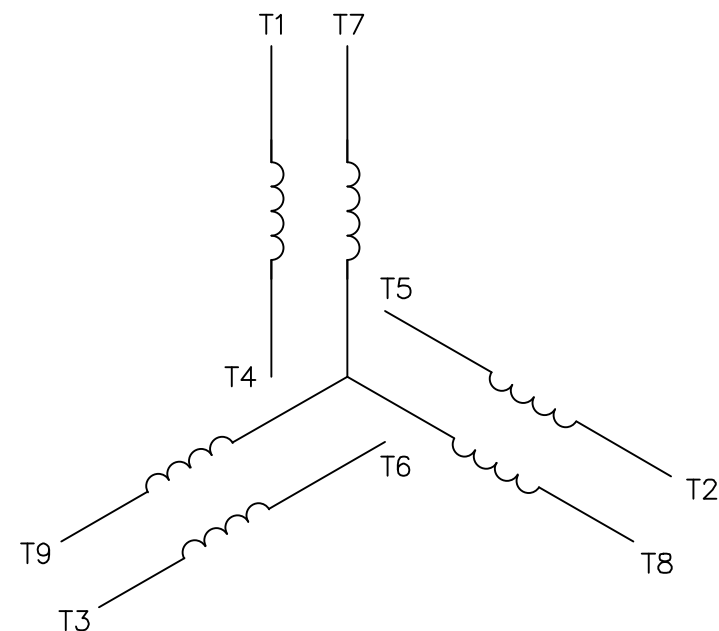


				TOLERANCES UNLESS SPECIFIED				DRAWN YS 06/21/07	
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
03	REMOVED INV & XRI DECALS AS PER ISSAC 12-5294	GR 10/30/12	SR .XX	±.03	TITLE		OUTLINE – 180T FRAME		SCALE 1=2
02	ADDED STICKER LOCATIONS PER ECR 91487	JWM 12/04/07	.XXX	±.005			DRIP PROOF – RIGID		REF 035464
01	TITLE BLOCK WAS LEESON	YS 7/16/2007	.XXXX	±.0005	MAT'L				FMF
NO.	REVISION	BY & DATE	CHK	ANG	FINISH				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.				RFP	CAD FILE	035530	SIZE B	DRAWING NO. 035530	REV. 03
THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT				DIST NLV					

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED				DRAWN RDW 04/12/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		SCALE	1=1	
				.XXX	±.005			REF	FIG.2—51	
				.XXXX	±.0005	MAT'L. DECAL — 004014		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2*	FINISH		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	04/12/02		CAD FILE 00501001ME		SIZE	DRAWING NO.	REV.
			DIST				A	005010—01ME		



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 #: 182TTDW16328
CONN. DIAGRAM: 005010.01ME CAT #: U409A
OUTLINE: 035530-900 CUSTOMER PART #: _____
WINDING: T84173 DR 3 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	1800	1760	182T	DP	TDW	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	8/4&7/3.5	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	88.2	GTD EFF	ELECT. TYPE
F.L. PF	79.3	3/4 LD PF	73.2	1/2 LD PF	61.1	88.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
8.9 LB-FT	34.2	22.0 LB-FT 247%	35.8 LB-FT 402%	31

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
51 dBA	60 dBA	0.36 LB-FT²	55 LB-FT²	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	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	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: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE NONE PPR
PREPARED BY: FAREEDA DUDEKULA DATE: 9/10/2018		BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ:

FORM: 3531 REV_4 2/27/06

UL: V-INS, CONST UL REC

Data Sheet

Date: 11/29/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



182TTDW16328

Submittal

Data @ 460 V

Motor Load Data

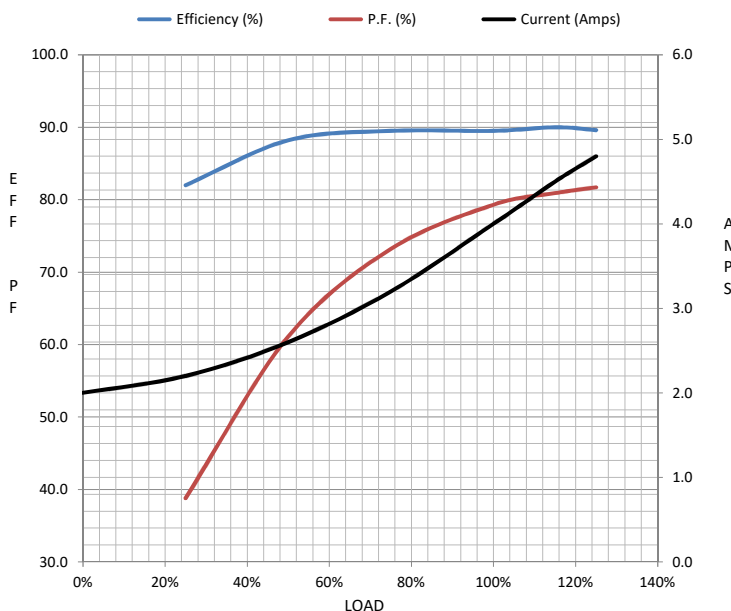
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.00	2.20	2.60	3.2	4.0	4.5	4.8	34.2	
Torque (ft-lb)	0.00	2.19	4.4	6.6	8.9	10.3	11.2	22.0	
RPM	1800	1790	1779	1767	1760	1,752	1745	0	
Efficiency (%)		82.0	88.2	89.5	89.5	90.0	89.6		
P.F. (%)	6.9	38.8	61.1	73.2	79.3	80.9	81.7	50.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	330	1500	1760	1800
Current (Amps)	34.2	33.5	22.0	4.0	2.00
Torque (ft-lb)	22.0	14.8	35.8	8.9	0.00

Information Block

HP	3.0			
Sync. RPM	1800			
Frame	182			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	31 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.36 Lb-Ft ²			
Ref Wdg	T84173 DR			
Sound Pressure @ 1M	51 dBA			
VFD Rating	NONE			
Outline Dwg	035530-900			
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

