

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTDW14011

Catalog No: U165A

Close-Coupled Pump Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
182JP Frame, DP



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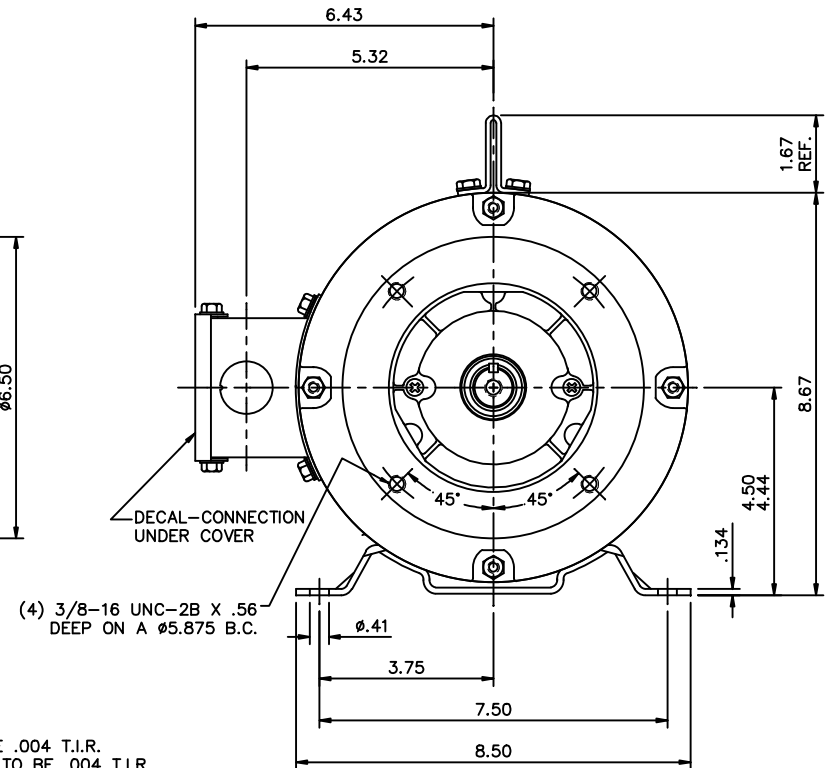
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	3505 & 2940 rpm	Service Factor	1.15 & 1.0
Frame	182JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	85.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12.4/6.2 & 9.6/4.8 A	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6207	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	2	Rotation	Reversible
Resistance Main	2.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	17.96 in
Frame Length	9.00 in	Shaft Diameter	0.880 in
Shaft Extension	7.31 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035577-900	Connection Drawing	005010.01ME



Technical drawing of a shaft assembly. The drawing shows a shaft with a total length of 7.312 inches, labeled "SHAFT EXT". The shaft has a diameter of 1.250 inches at the left end and 1.000 inches in the middle. The right end has a diameter of 0.8745 inches, with a tolerance of ±0.0005 inches. A detail view (1) shows a 3/8-16 UNC-3B X .88 DEEP MIN thread. The table below provides the dimensions for the shaft.

DASH NO.	"C"
800	16.3
850	17.3
900	17.3
950	18.3
1000	18.3
1050	19.3

3 of 6


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	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		APPD		
				.XX	±.01			SCALE 1=1		
				.XXX	±.005			REF FIG.2-51		
				.XXXX	±.0005			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 A	DRAWING NO. 005010-01ME		REV.
			DIST							

CERTIFICATION DATA SHEET

Model#: 182TTDW14011 AA
 CONN. DIAGRAM: 005010.01ME
 OUTLINE: 035577-900

WINDING#: T82114 R1 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.7&2.24	3600	3505&2940	182JP	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	12.4/6.2&9.6/4 .8	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 85.5&85.5	3/4 LOAD EFF: 85.9	1/2 LOAD EFF: 83.9	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5&84	3/4 LOAD PF: 84.2	1/2 LOAD PF: 76.4	82.6	SQ CAGE IND RUN	4.4 / 2.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	100 / 50	17.3 LB-FT 231	26.2 LB-FT 349	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
71 dBA	81 dBA	0.18 LB-FT^2	7 LB-FT^2	15 SEC.	2	64 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	RED (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6207	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

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

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DATE: 06/27/2017 01:37:40 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 12/12/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



182TTDW14011

Submittal

Data @ 460 V

Motor Load Data

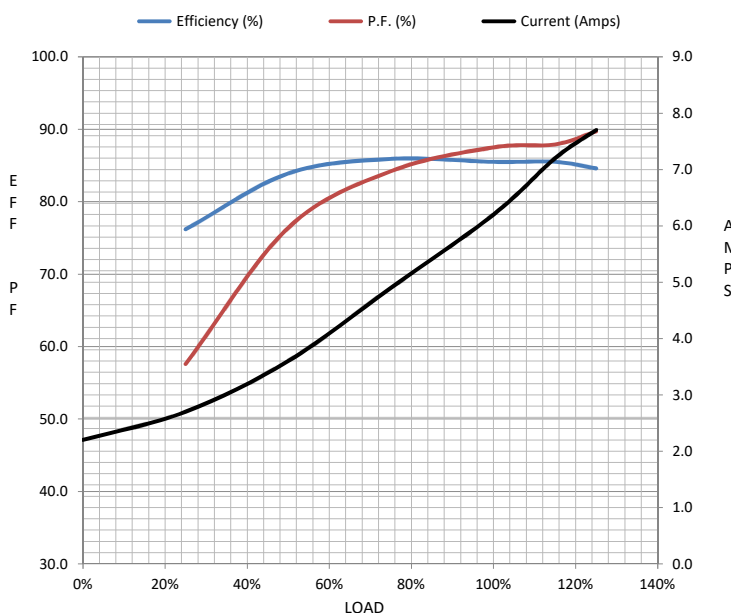
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.20	2.70	3.6	4.9	6.2	7.2	7.7	50.0	
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5	17.3	
RPM	3600	3578	3555	3531	3505	3488	3475	0	
Efficiency (%)		76.2	83.9	85.9	85.5	85.5	84.6		
P.F. (%)	14.5	57.6	76.4	84.2	87.5	87.9	89.7	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2800	3505	3600
Current (Amps)	50.0	45.0	32.5	6.2	2.20
Torque (ft-lb)	17.3	15.6	26.2	7.5	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	182			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.18 Lb-Ft ²			
Ref Wdg	T82114 R1			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	035577-900			
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

