

PRODUCT INFORMATION PACKET

Model No: 184TTWW16005

Catalog No: N208A

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



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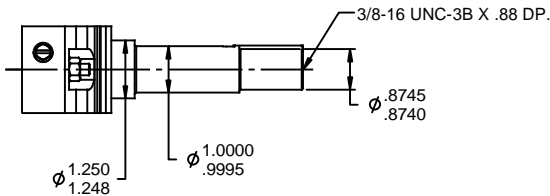
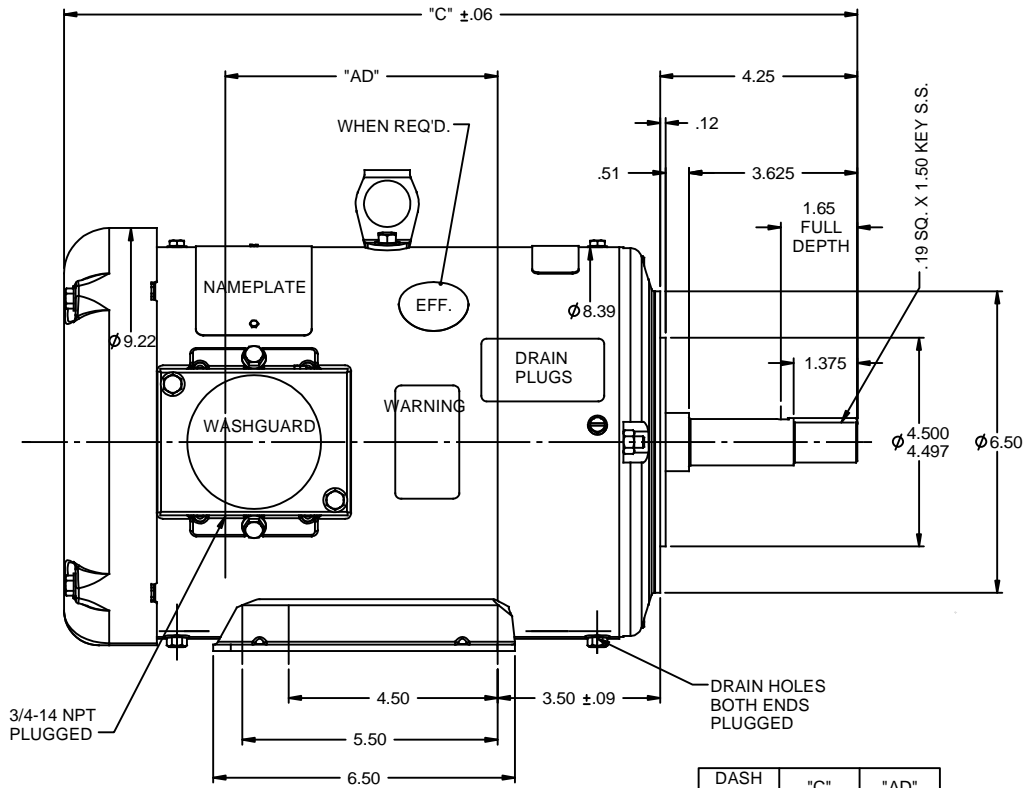
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Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	3495 & 2920 rpm	Service Factor	1.15 & 1.15
Frame	184JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	88.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12/6 & 9.2/4.6 A	Power Factor	89.5
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	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	2.32 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	16.63 in
Frame Length	9.50 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01ME	Outline Drawing	035480-950

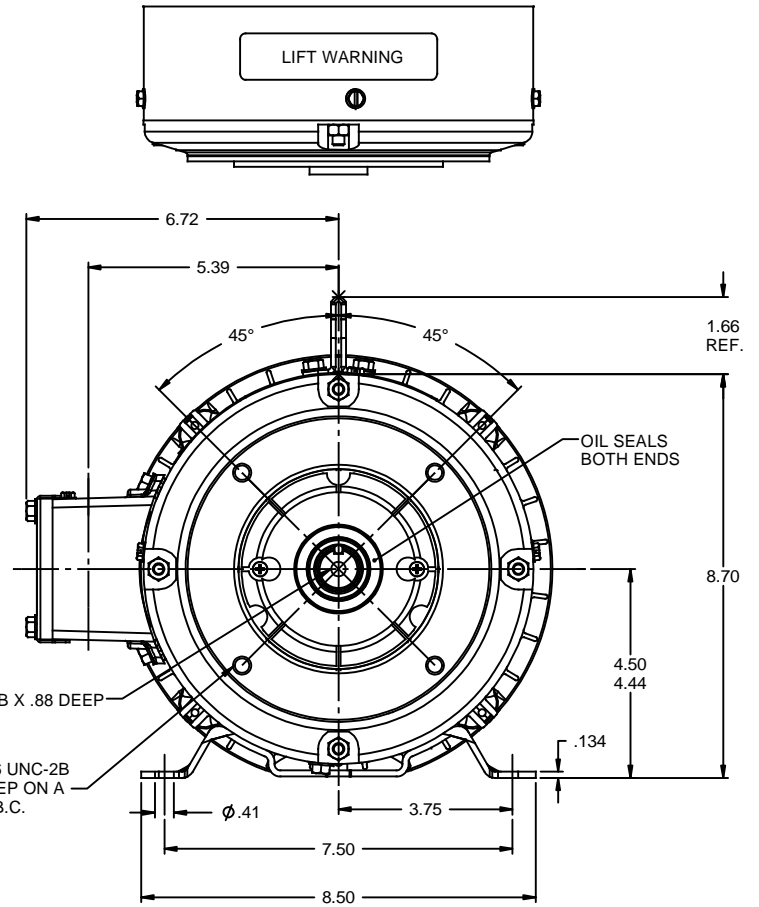


SHAFT DETAIL

DASH NO.	"C"	"AD"
900	16.13	4.87
950	16.63	5.37
1000	17.13	5.87
1050	17.63	6.37
1100	18.13	6.87
1150	18.63	7.37

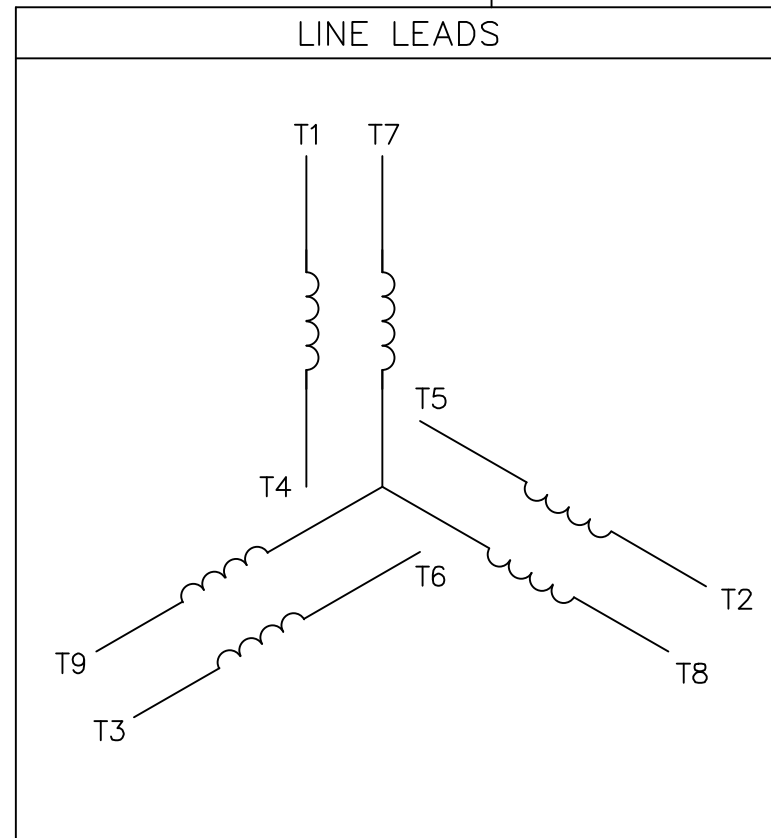
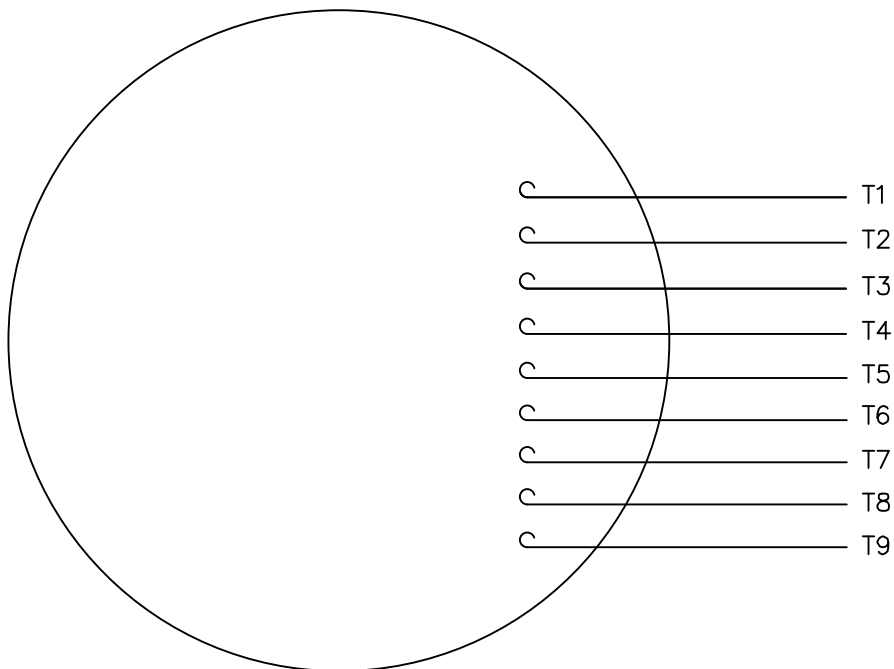
SPECIAL FEATURES:
 SHAFT SEAL & V-RING
 DRAIN HOLES IN FRAME & CONDUIT BOX
 STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE
 GASKETS THROUGHOUT

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



TOLERANCES UNLESS SPECIFIED		REGAL BELOIT CORPORATION		DRAWN	LST 7/23/03
DEC INCHES		REGAL BELOIT CORPORATION		CHK	
x	±.1			APPR	RW 7/29/03
.xx	±.03	TITLE OUTLINE - 180JM FRAME		SCALE	3:8
02	UPDATED PER ISAAC 10-0580	LST 5/12/2010	XX xxx ±.005	TEFC - "JM" PUMP MOUNT	REF 035357
-	UPDATED & REDRAWN IN SOLIDWORKS	LST 12/8/2009	XX xxxx ±.0005	MATL WASHGUARD	FMF
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH	PAGE OF
			RFP	PREV	SIZE OF
			NETWORK FILE NAME 035480	DRAWING NO	REV
				B	035480
					02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

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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 #: 184TTWW16005
 CONN. DIAGRAM: 005010.01ME CAT #: N208A
 OUTLINE: 035480-950 CUSTOMER PART #: _____
 WINDING: T82103 FR 3 MOUNTING: F1 ONLY
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
5	3.7	3600	3495	184JM	TEFC	TFW	J	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	12/6&9.2/4.6	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF	88.5	3/4 LD EFF	89.1	1/2 LD EFF	87.9	GTD EFF	0.0	ELECT. TYPE	
F.L. PF	89.5	3/4 LD PF	87.5	1/2 LD PF	81.1	SQ CAGE IND RUN			
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)					
7.5 LB-FT	47.0	16.0 LB-FT 213%	26.0 LB-FT 347%	55					
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
0 dBA	9 dBA	0.00 LB-FT ²	0 LB-FT ²	10 SEC.	0	0 LB.			

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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	JM	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: NONE INV. HP SPEED RANGE: NONE				
	ENCODER: NONE NONE NONE				
	BRAKE: NONE NONE				
	FT-LB: NA VOLTAGE: NONE				
PREPARED BY: FAREEDA DUDEKULA DATE: 9/17/2018					HZ: UL: V-INS, CONST UL REC

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/10/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



184TTWW16005

Submittal

Data @ 460 V

Motor Load Data

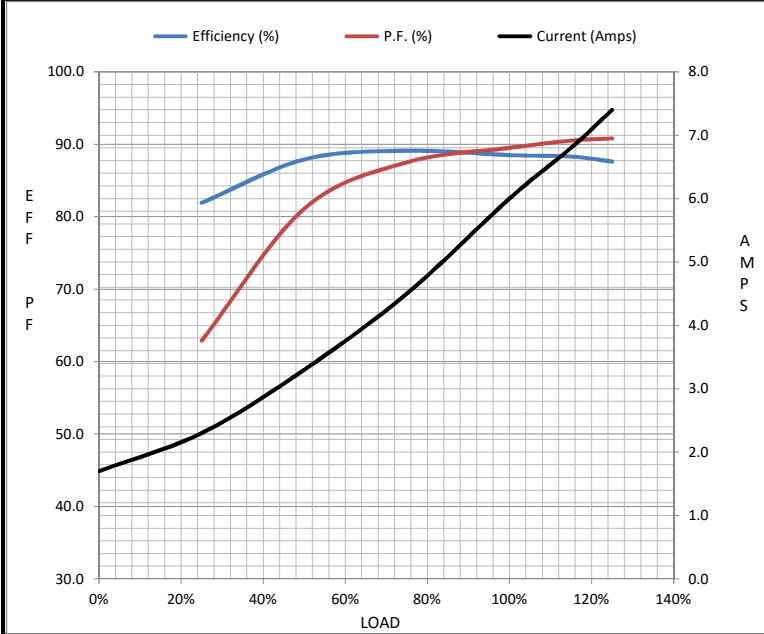
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.30	3.3	4.5	6.0	6.8	7.4	47.0
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5	16.0
RPM	3600	3576	3551	3526	3495	3,477	3463	0
Efficiency (%)		81.9	87.9	89.1	88.5	88.3	87.6	
P.F. (%)	14.8	62.9	81.1	87.5	89.5	90.5	90.8	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2850	3495	3600
Current (Amps)	47.0	42.0	30.0	6.0	1.70
Torque (ft-lb)	16.0	14.0	26.0	7.5	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	184			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T82103 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	035480-950			
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

