

# PRODUCT INFORMATION PACKET

Model No: 182TTDW16315

Catalog No: E154B

5 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 182JMV Frame, ODP  
Close-Coupled Pump Motors



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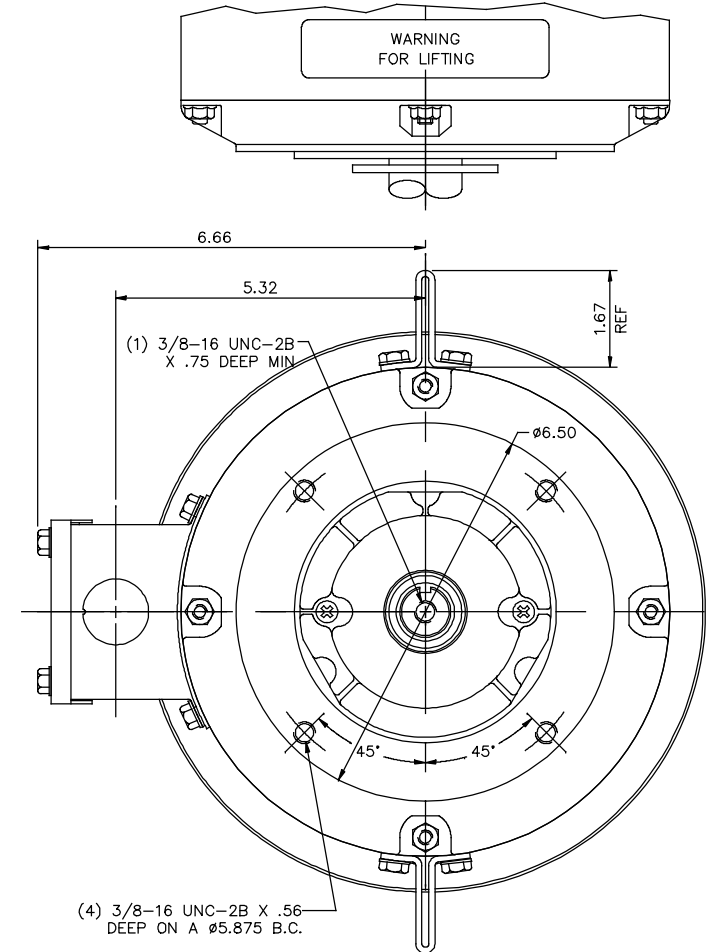
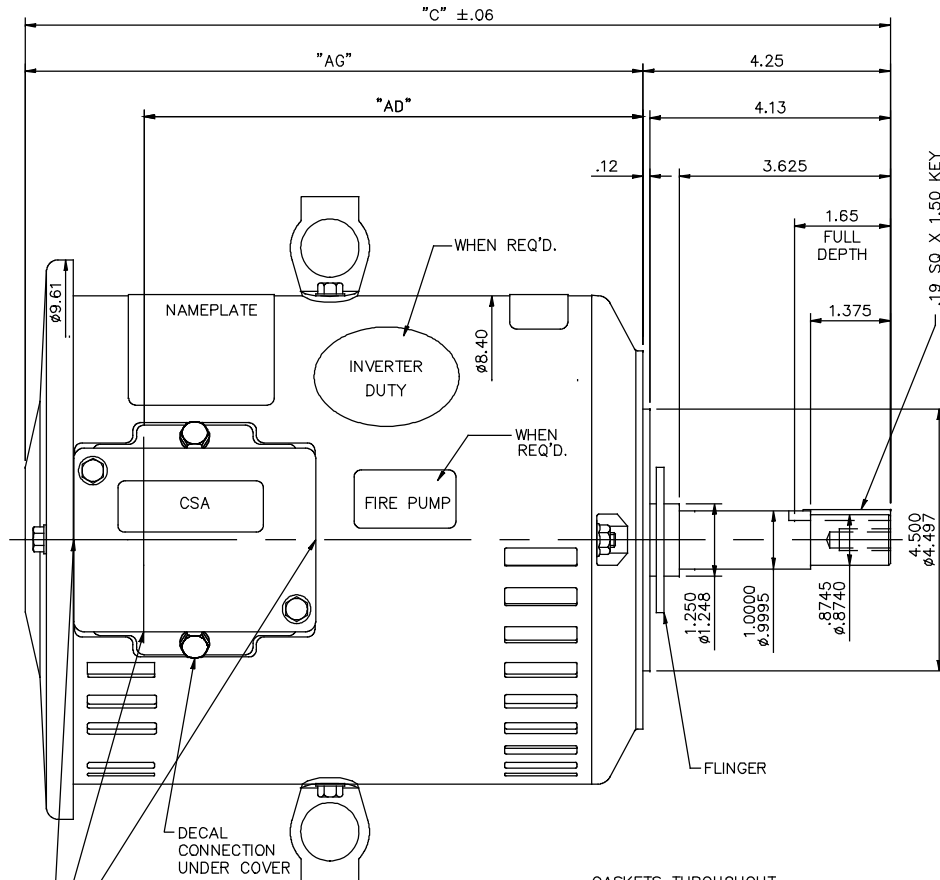
### Nameplate Specifications

Output HP	<b>5 Hp</b>	Output KW	<b>3.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>5.0 A</b>	Speed	<b>3500 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Power Factor	<b>86</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>J</b>
Frame	<b>182JMV</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6207</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>12</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Shaft Down</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>JM</b>	Overall Length	<b>14.95 in</b>
Frame Length	<b>9.00 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>4.25 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>005102.01</b>	Outline Drawing	<b>035547-900</b>

035547



Ø1.13 KNOCKOUTS  
(3) REQUIRED

DASH NO.	"C"	"AG"	"AD"
850	14.45	10.20	8.13
900	14.95	10.70	8.63
950	15.45	11.20	9.13
1000	15.95	11.70	9.63
1050	16.45	12.20	10.13
1100	16.95	12.70	10.63
1150	17.45	13.20	11.13

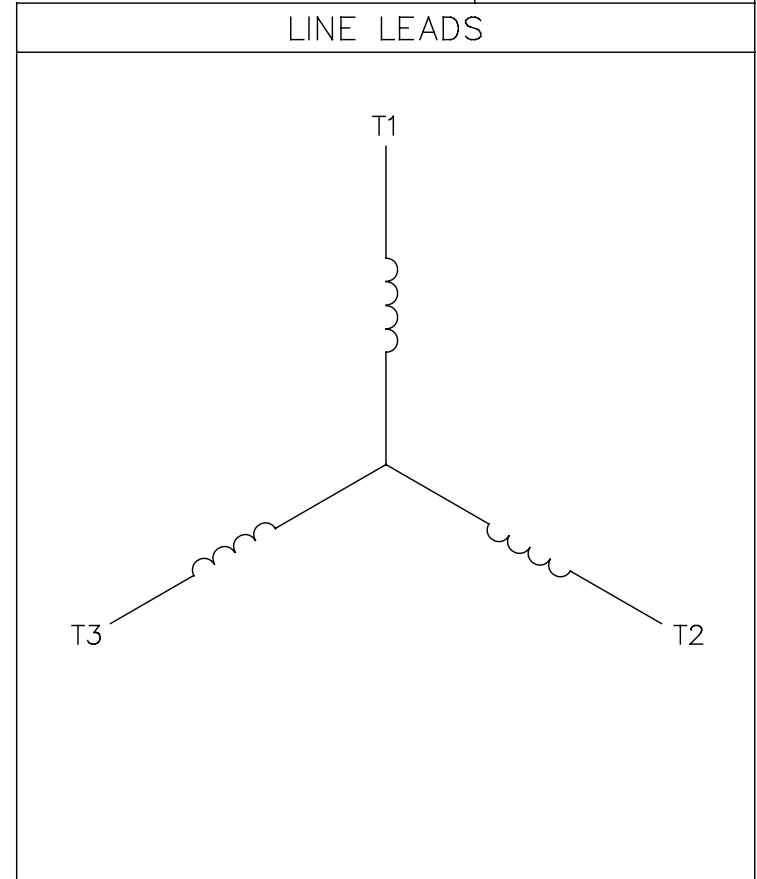
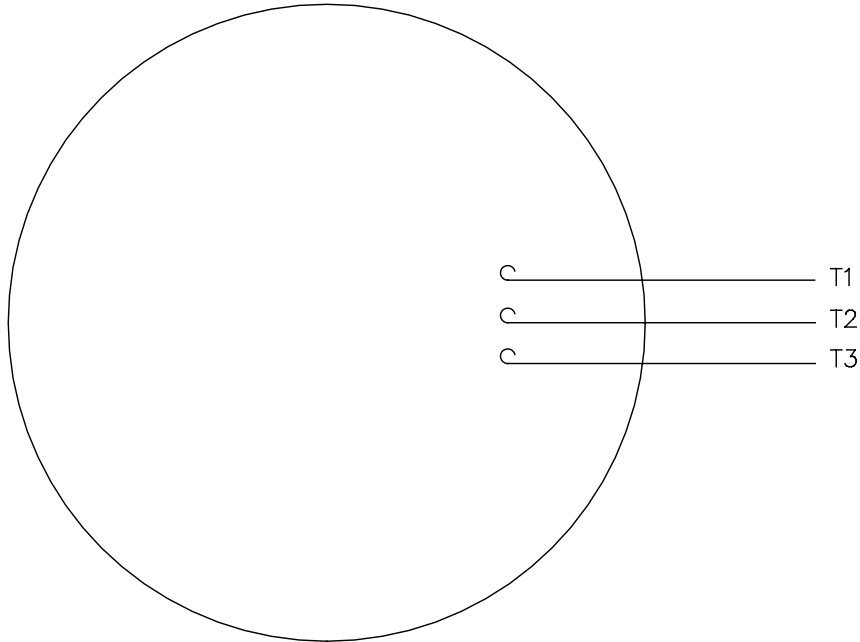
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	TITLE	SCALE	REF	PREV	
05	UPDATED PER ECR-0141965	MVG 10/09/17	SR					Regal Beloit America, Inc.				
04	UPDATED REGAL LOGO	SS 05/17/16	SS		X	±.1			CHK			
03	"C", "AG" & "AD" DIM. UPDATED ON DASH #TABLE	PVR 11/21/12	JD	XX	±.03			APPD	YS	18/08/07		
02	KEY WAS .19 SQ x 1.75	JD 7/15/2011	JD	XXX	±.005			SCALE	1=2			
01	ADD UL DECAL PER ISAAC 11-1098	LST 3/9/11	LST	XXXX	±.0005			TITLE	OUTLINE- 180JM FRAME DRIP PROOF- "C" FACE- JM PUMP		REF	035486
								MAT'L			FMF	184TIDW4135
								FINISH				PREV
								RFP	CAD FILE	035547	SIZE	DRAWING NO.
								DIST	B		035547	REV.
												05

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005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS  
FOR FOUR CONDUCTOR CORD ( )

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		<b>Regal Beloit America, Inc.</b>		DRAWN JRW 9/11/75			
				DEC.	INCHES			CHK			
				.X	±.1			APPD JCW 9/11/75			
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR		SCALE 1=1			
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005			REF W-T6343-6			
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005			FMF 6T17FB7			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV			
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				DIST		BRF-NLV		A	005102-01	08	



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005102.01

**MODEL #:** 182TTDW16315 AA

**OUTLINE:** 035547-900

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** T82117 R1 4

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	3600	3500	182JMV	DP	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	86.5	3/4 LOAD EFF:	86.5	1/2 LOAD EFF:	84.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	86	3/4 LOAD PF:	82	1/2 LOAD PF:	73	83.8		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	36.4	16.1 LB-FT 215 %	25 LB-FT 333 %	30

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	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6207	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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\*

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

HP 5.00

PHASE 3

Model No 182TTDW16315

60

HZ

VOLTS 575

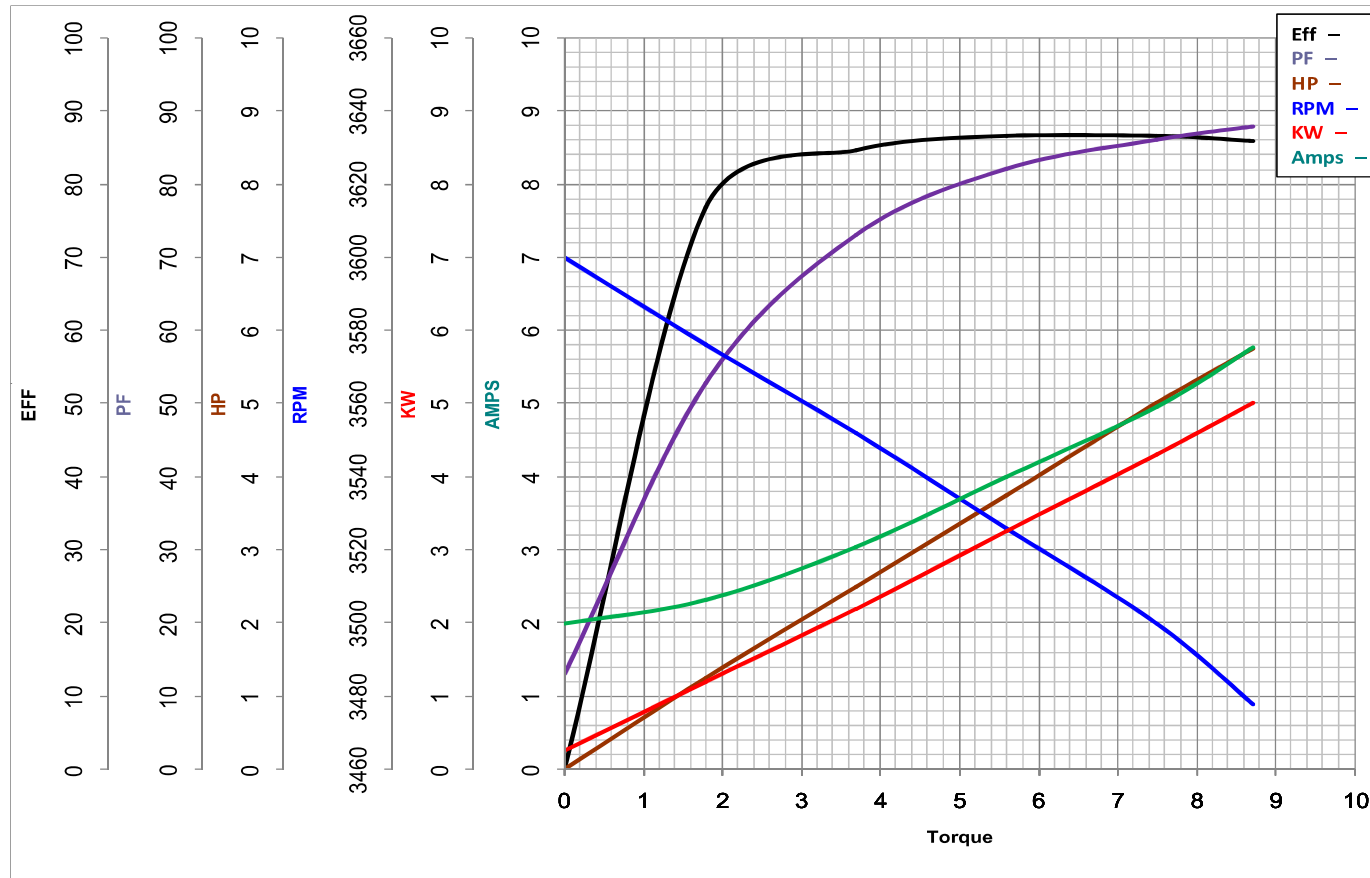
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HP

Catalog No E154B

HZ 60

RPM 3500



Torque in Lb.Ft

FL TORQUE 7.5 Lb.Ft  
 BD TORQUE 25.0 Lb.Ft  
 LR TORQUE 16.1 Lb.Ft

FL AMPS 5  
 PU TORQUE 14.5 Lb.Ft  
 LR AMPS 36.4

WINDING T82117-4

Prepared By ANUSHA.M

Date 11/5/2018