

# PRODUCT INFORMATION PACKET



Model No: C182T17WK19A

Catalog No: 132450.00

..3HP..1800RPM.182JM.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15 S.F..RIGID C FACE.....STAINLESS JM  
PUMP.....

JM Pump



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**Nameplate Specifications**

Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>7.8/3.9 A</b>	Speed	<b>1770 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>89.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>K</b>	Frame	<b>182JM</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6207</b>
Opp Drive End Bearing Size	<b>6207</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Stainless Steel</b>	Shaft Type	<b>JM</b>
Overall Length	<b>16.20 in</b>	Frame Length	<b>9.00 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>4.28 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>035484-900</b>	Connection Diagram	<b>005010.01</b>

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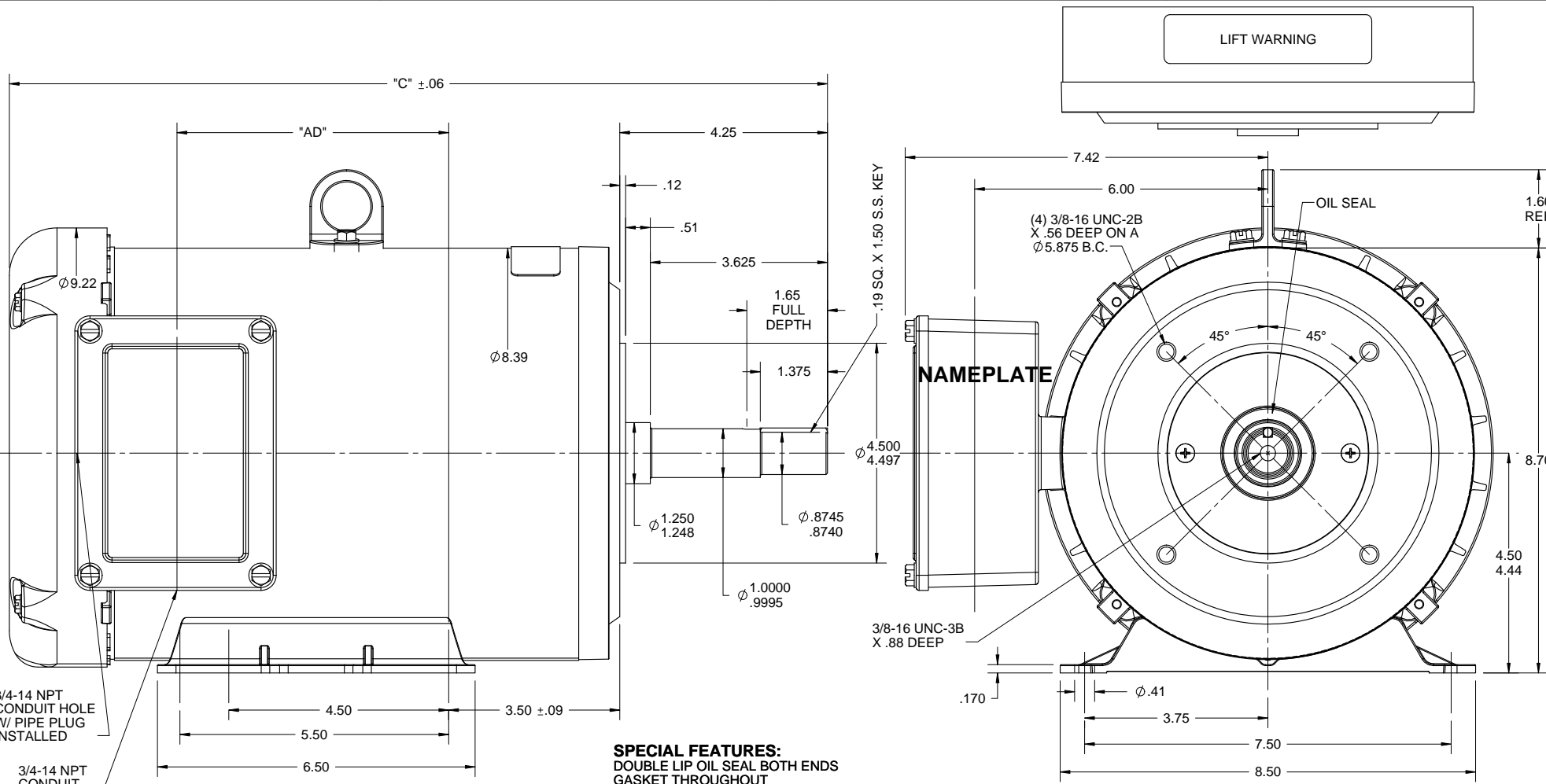
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B

B

A

A



**SPECIAL FEATURES:**  
 DOUBLE LIP OIL SEAL BOTH ENDS  
 GASKET THROUGHOUT  
 O-RING SEALED ENDBELLS & THRU BOLTS  
 LOCKED BEARING W/ SEALED LOCK SCREWS

DASH NO.	"C"	"AD"
900	16.20	5.06
950	16.77	5.56
1000	17.27	6.06

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.

DRAWING REVISION	REVISION BY	DATE
D	AS	12/23/2016
ECO-0115461	APPROVED BY SR	DATE 12/23/2016

ECO DESCRIPTION: ADDED DASH # 1000

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7°-30'
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°  
 CORNER FILLETS: R.02 [.51]  
 MACHINED SURFACES: 200/5.1  
 INCH/mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY	DATE
LST 3/19/04	
APPROVED BY	DATE
KH 3/22/04	

REFERENCE: THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE TEFC - RIGID "C"
MATERIAL	STAINLESS STEEL DUCK
PROCESS/FINISH	
SIZE	B
DRAWING NUMBER	035484
SHEET	1 OF 1

005010-01

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		<b>REGAL</b> ™ <b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=1		
				.XXX	±.005	TITLE		REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.		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		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV	00501001		A	005010-01	A



1051 CHEYENNE AVE.  
 GRAFTON, WI 53024  
 PH. 262-377-8810

CATALOG #: 132450.00

CONN. DIAGRAM: 005010.01

MOUNTING: F1/F2 CAPABLE

OUTLINE: 035344-1050

WINDING #: T82109 R1 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.6083.70	3600	3490&2905	184TC	DP	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	17.8/8.9&15/7.5	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40

<b>FULL LOAD EFF:</b>	88.5&87.5	<b>3/4 LOAD EFF:</b>	89.4	<b>1/2 LOAD EFF:</b>	88.6	<b>GTD. EFF</b>	86.2	<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	89&87	<b>3/4 LOAD PF:</b>	86	<b>1/2 LOAD PF:</b>	78.9	<b>SQ CAGE IND RUN</b>		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.3 LB-FT	150 / 75	28.5 LB-FT	252 %	39 LB-FT 345 %

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
71 DBA	81 DBA	0.3 LB-FT^2	10 LB-FT^2	15 SEC.	2	100 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTS AVER

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

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

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INVERTER TORQUE: NONE  
 INV. HP SPEED RANGE: NONE

ENCODER:	NONE	NONE	PPR
BRAKE:	NONE	NONE	

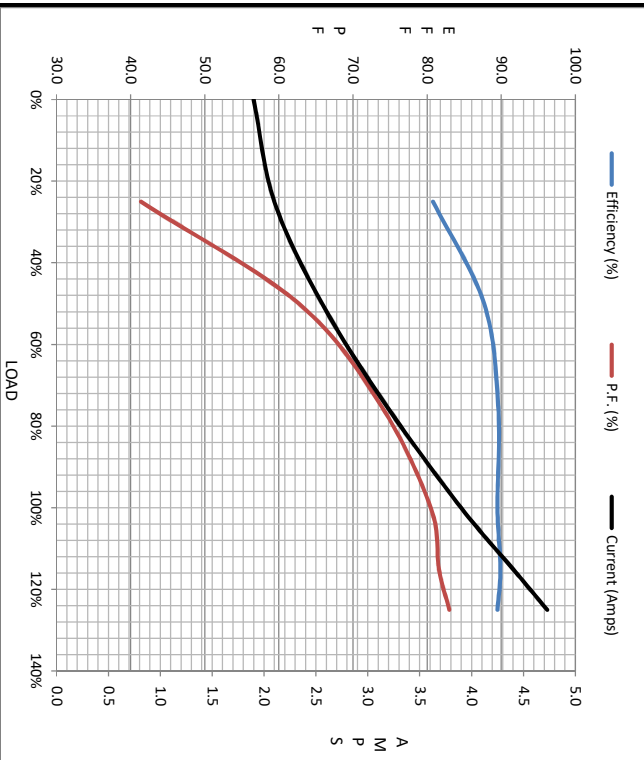
O T E S

FT-LB NONE V NONE HZ



Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.90	2.10	2.56	3.2	3.9	4.4	4.7	33.5
Torque (ft-lb)	0.00	2.20	4.4	6.6	8.9	10.3	11.2	22.5
RPM	1800	1792	1785	1777	1770	1766	1755	0
Efficiency (%)		80.8	87.7	89.6	89.5	89.9	89.5	
P.F. (%)	6.9	41.4	62.7	73.8	80.5	81.6	83.0	0.0

Motor Speed Data						Information Block																										
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	R1	R2	X1	X2	Xm	
0	900	1656	1770	1800		3.0	1800	182	TEFC	TFW	230/460#190/380	60	B	K	1.15	40	CONT	40	1,000	0.38	FR	0	CONSTANT 3:1	035484-900	005010.01		0.0000	0.0000	0.0000	0.0000	0.0000	
Current (Amps)	33.5	33.0	21.5	3.9	1.90																											
Torque (ft-lb)	22.5	21.0	36.0	8.9	0.00																											



EQUIV CKT (OHMS / PHASE)	R1	R2	X1	X2	Xm
	0.0000	0.0000	0.0000	0.0000	0.0000

