

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

Technical Specifications

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

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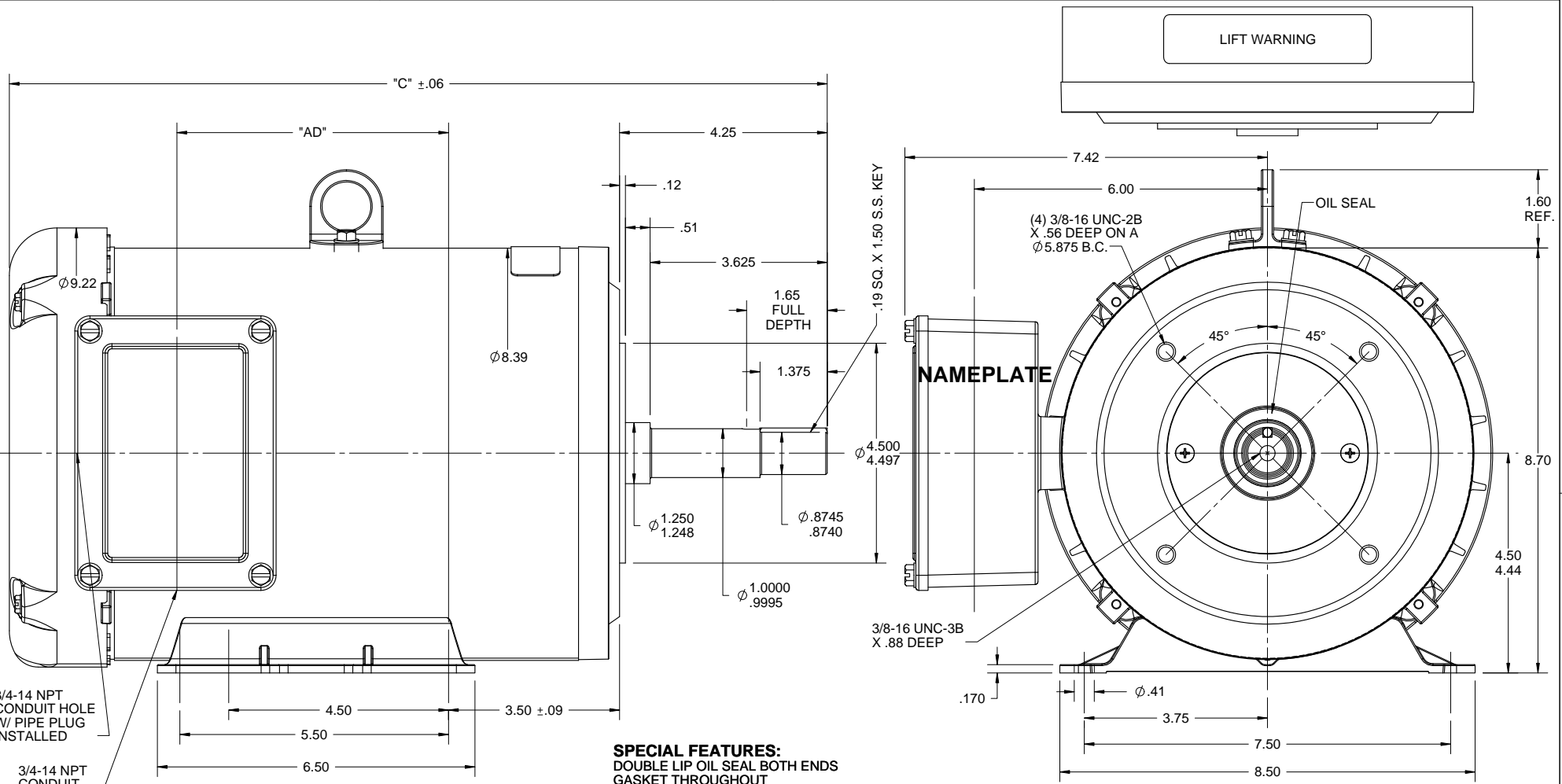
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SPECIAL FEATURES:
 DOUBLE LIP OIL SEAL BOTH ENDS
 GASKET THROUGHOUT
 O-RING SEALED ENDBELLS & THRU BOLTS
 LOCKED BEARING W/ SEALED LOCK SCREWS

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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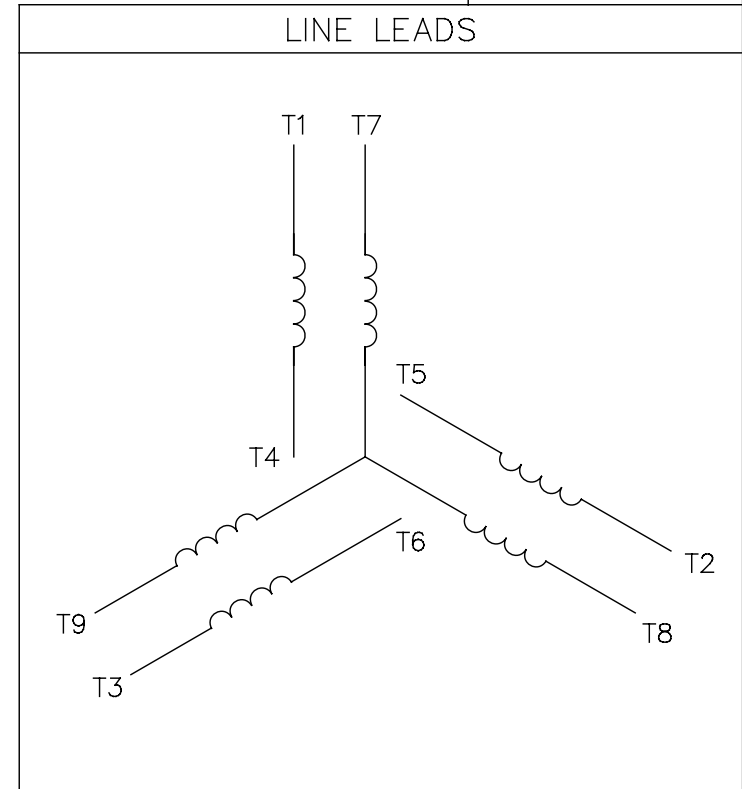
TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.03	[±0.76]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51]		
MACHINED SURFACES: 200 $\sqrt{5.1}$ INCH/mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY	DATE
LST 3/19/04	
APPROVED BY	DATE
KH 3/22/04	
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ 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		Regal Beloit America, Inc.		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		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY .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 00501001		SIZE A	DRAWING NO. 005010-01	REV. A
			DIST BRF-NLV					



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

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

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 WATTSAVER

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

* N

INVERTER TORQUE: NONE
 INV. HP SPEED RANGE: NONE

ENCODER:	NONE	NONE	NONE
	NONE	NONE	PPR
	NONE	NONE	PPR

O T

BRAKE: NONE NONE
 NONE P/N NONE
 NONE NONE

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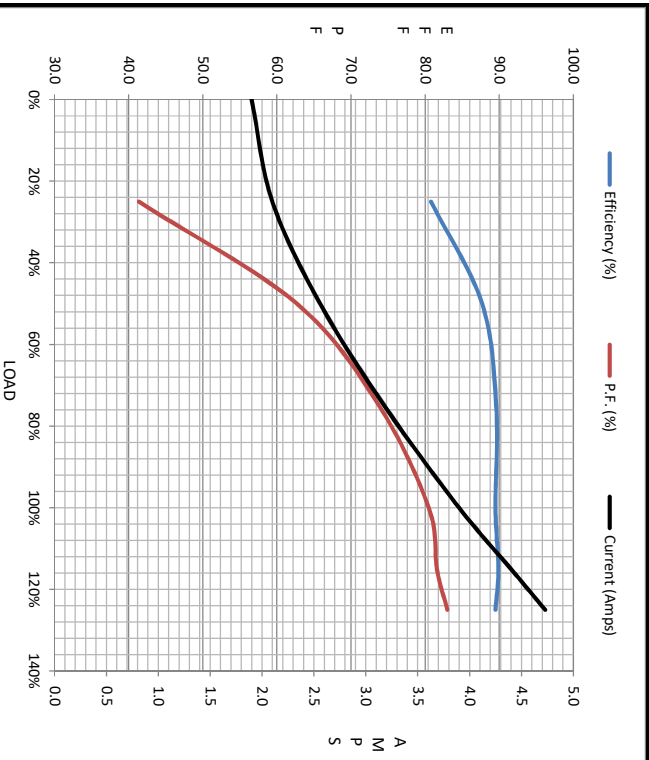
FT-LB NONE V NONE HZ

S



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					
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction
0	900	1656	1770	1800	3.0	1800	182	TEFC	TFW	230/460#190/380
Current (Amps)	33.5	33.0	21.5	3.9	1.90	60	Hz	Design	B	K
Torque (ft-lb)	22.5	21.0	36.0	8.9	0.00	1.15	°C	LR Code letter	1.15	40
						Temp Rise @ FL	°C	Service Factor	40	CONIT
						Duty	°C	Ambient	40	1,000
						Elevation	feet	Rotor/Shaft wk ²	0.38	LB-Ft ²
						Ref Wdg		Rel Wdg	T84174	FR
						Sound Pressure @ 1M	0	dbA		
						VFD Rating	CONSTANT 3:1			
						Outline Dwg	035484-900			
						Conn. Diag	005010.01			
						Additional Specifications:				
						0				
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						0.0000	0.0000	0.0000	0.0000	0.0000



Efficiency (%)	P.F. (%)	Current (Amps)
4.5	0.05	2.0
5.0	0.10	2.5
6.0	0.20	3.0
7.0	0.30	3.5
8.0	0.40	4.0
9.0	0.50	4.5
10.0	0.60	5.0
15.0	0.70	6.0
20.0	0.80	7.0
25.0	0.85	8.0
30.0	0.90	9.0
35.0	0.92	10.0
40.0	0.94	11.0
45.0	0.95	12.0

