

PRODUCT INFORMATION PACKET



Model No: C184T17WK23A

Catalog No: 132452.00

..5HP..1800RPM.184JM.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	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.6/6.3 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	184JM
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	56		

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	17.27 in	Frame Length	10.00 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	035484-1000	Connection Diagram	005010.01

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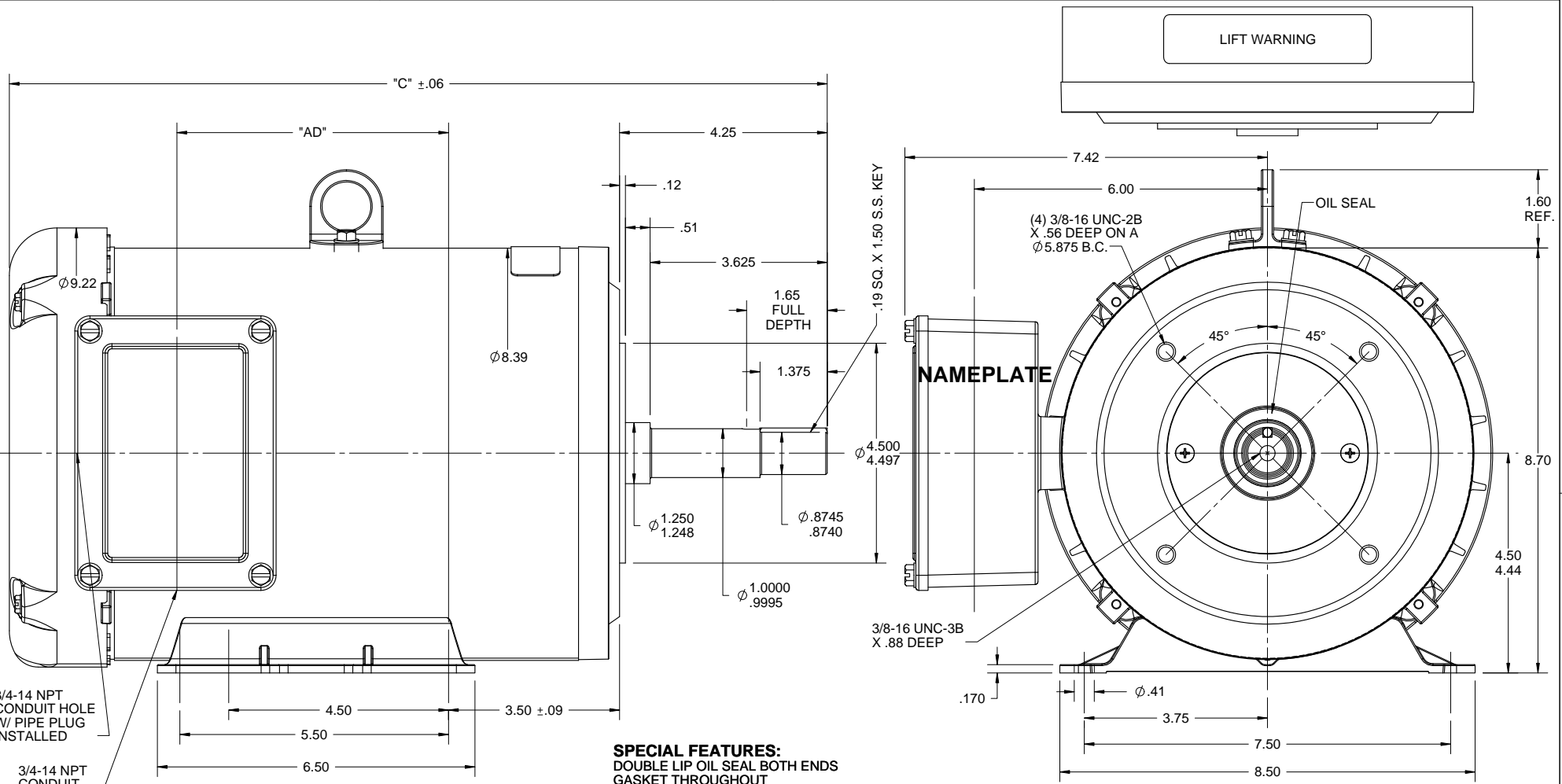
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B

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 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		REGAL ™ Regal Beloit America, Inc.		DRAWN RDW 04/12/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		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	DRAWING NO.	REV.
				DIST BRF-NLV				A	005010-01	A



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 035484-1000
WINDING: T84170

CAT #: 132452.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
5	3.7	1800	1760	184JM	TEFC	TFW	J	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	12.6/6.38/10/5	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	89.5	3/4 LD EFF	90.2	1/2 LD EFF	88.9	GTD EFF	87.5	ELECT. TYPE	
F.L. PF	83.1	3/4 LD PF	79.4	1/2 LD PF	70.9	SQ CAGE INVERTED			
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE						
15.0 LB-FT	49.0	30.1 LB-FT	201%	50.2 LB-FT	335%	F.L. RISE (°C)			
PRESSURE @3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
55 DBA	64 DBA	0.49 LB-FT²	0 LB-FT²	15 SEC.	2	0 LB.			

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	NO PAINT
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE					
DE	BALL	JM	180JM					
6207	POLYREX EM							
6207								
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	0.080	ODE		

* N O T E S *		INVERTER TORQUE: CONSTANT 3:1	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		HZ: NONE	
		NONE PPR	

DATE:	1/17/2018	UL: Y:(LEESON UL REC)
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Data Sheet

Date: 1/17/2018

132452.00



Data @ 460 V

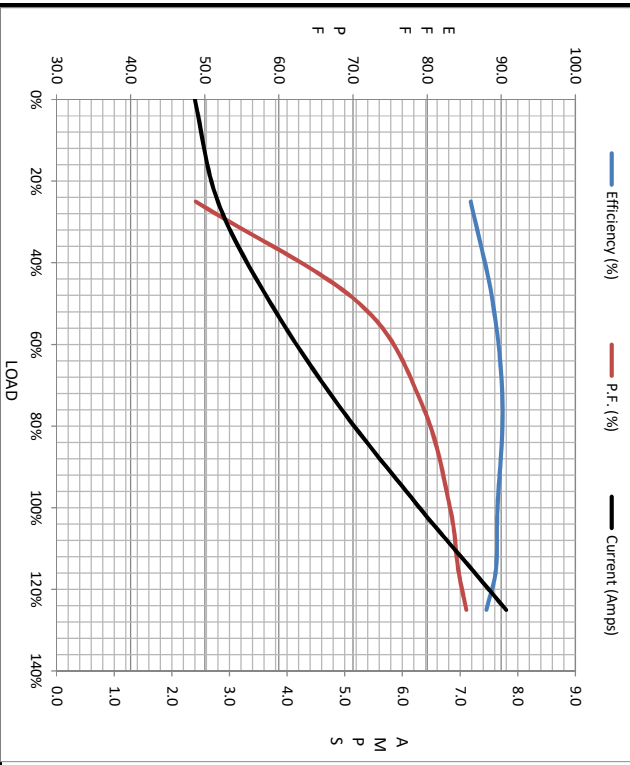
Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	2.40	2.80	3.7	4.9	6.3	7.2	7.8
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.4	18.8
RPM	1800	1790	1779	1768	1760	1747	1742
Efficiency (%)		85.9	88.9	90.2	89.5	89.3	88.0
P.F. (%)	6.8	48.8	70.9	79.4	83.1	84.2	85.3

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1760	1800
Current (Amps)	49.0	45.1	29.4	6.3	2.40
Torque (ft-lb)	30.1	29.8	50.2	15.0	0.00

Information Block

HP	5.0
Sync. RPM	1800
Frame	184
Enclosure	TEFC
Construction	TFW
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	65 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.49 lb-Ft ²
Ref Wdg	T84170 FR
Sound Pressure @ 1M	55 dBA
VFD Rating	CONSTANT 3:1
Outline Dwg	035484-1000
Conn. Diag	005010.01
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	
0.0000	



Speed - Torque Curve

