

PRODUCT INFORMATION PACKET



Model No: 131470.00

Catalog No: 131470.00

Fan and Blower Motor, 3 & 1.50 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 184T Frame, TEFC



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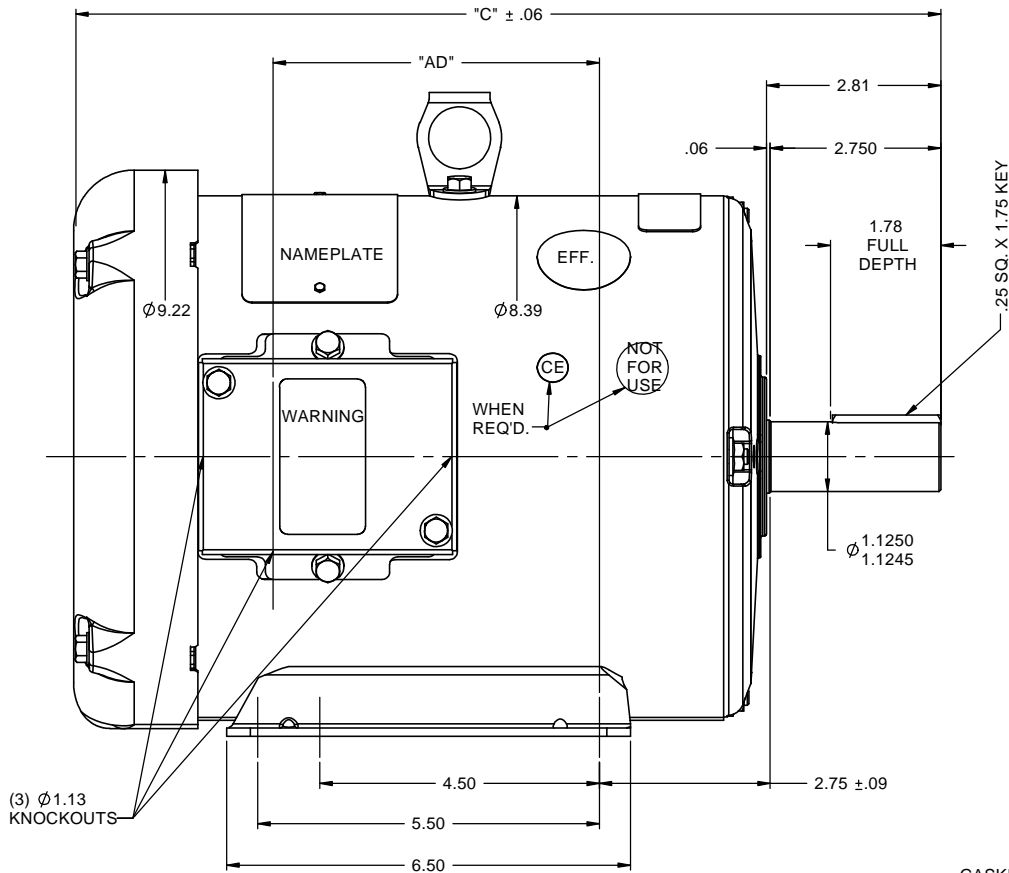
Nameplate Specifications

Phase	3	Output HP	3 & 1.50 Hp
Output KW	2.2 & 1.1 kW	Voltage	460 & 460 V
Speed	1725 & 850 rpm	Service Factor	1.00 & 1.00
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	80 & 74 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	3.8 & 3.5 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	2VT	KVA Code	G
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	2		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4//8	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.96 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005148.01	Outline Drawing	035465-950

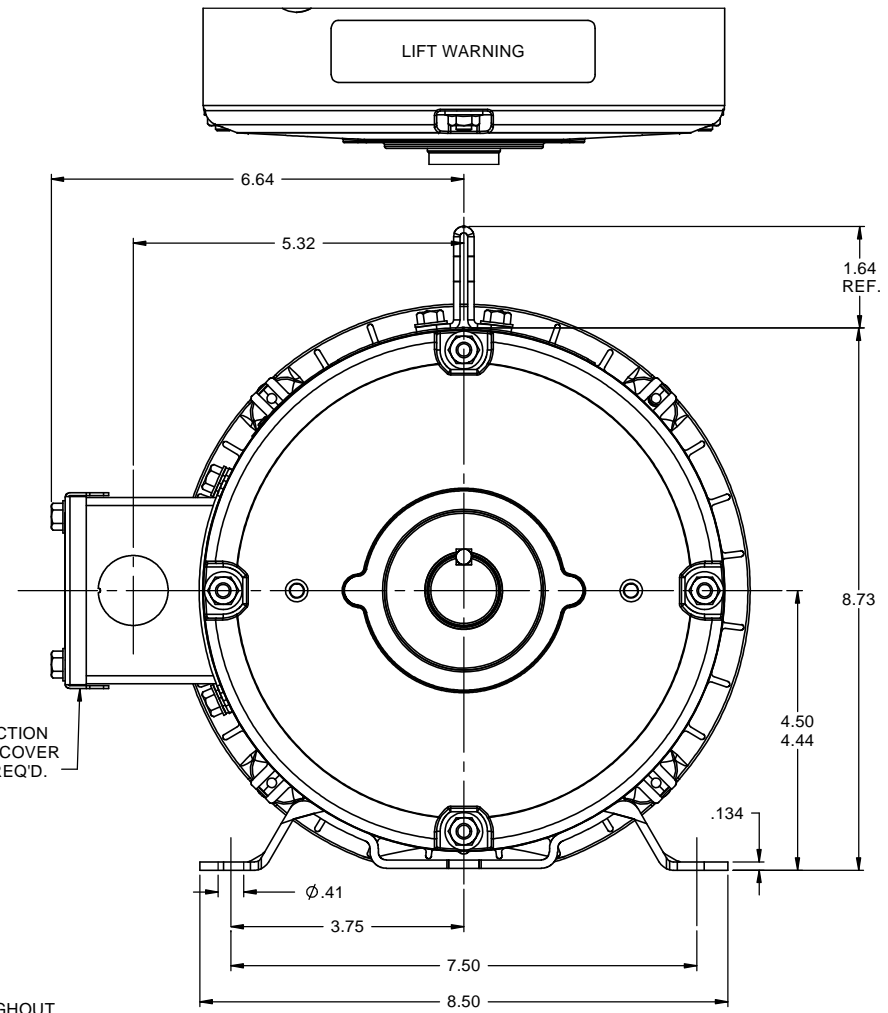
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(3) Ø1.13 KNOCKOUTS

DECAL-
CONNECTION
UNDER COVER
WHEN REQ'D.

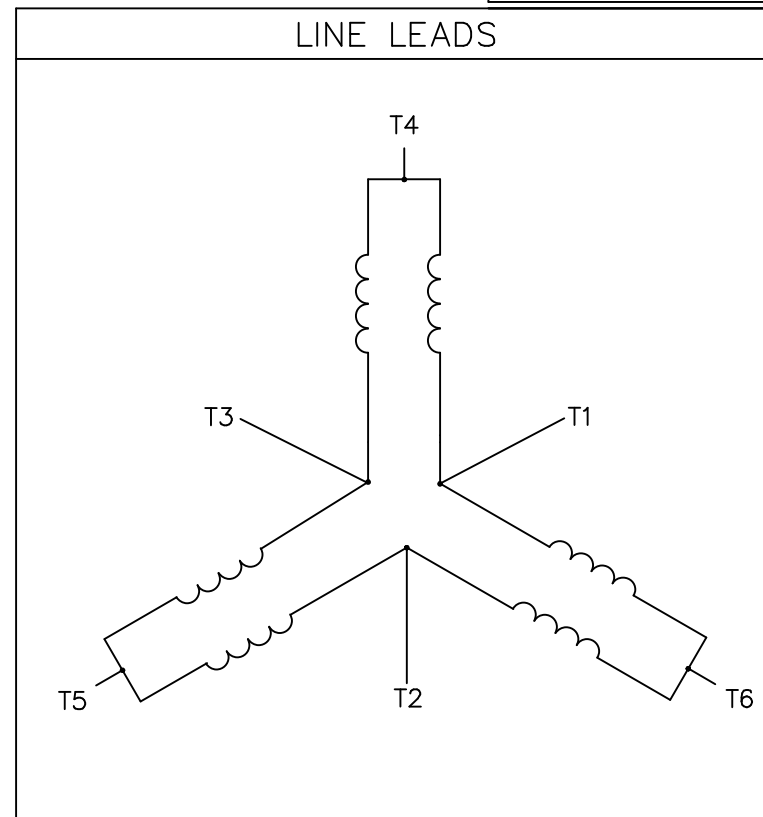
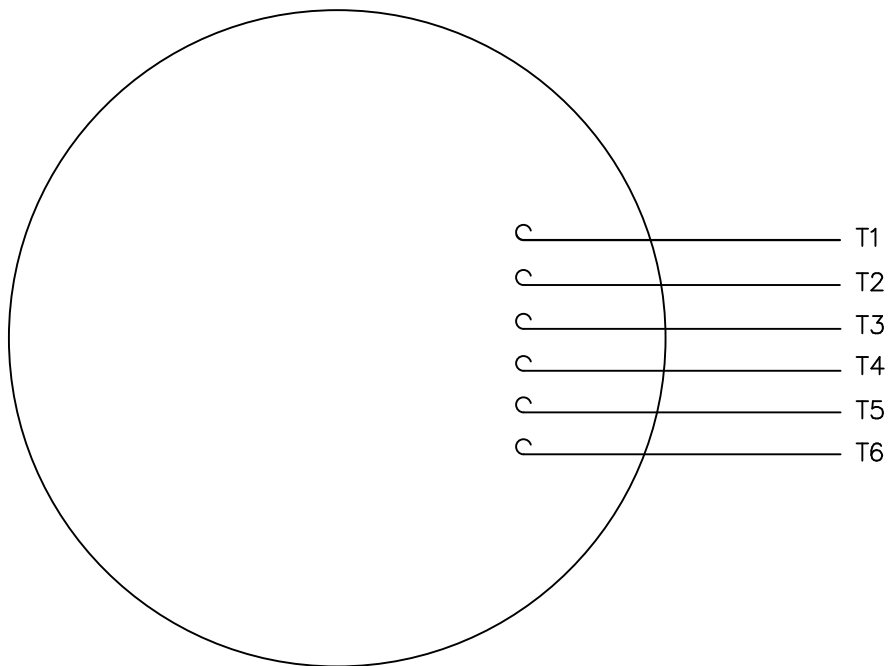
GASKET THROUGHOUT



DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

				TOLERANCES UNLESS SPECIFIED				DRAWN MGM 2/21/03	
				DEC INCHES				CHK	
				X ±.1		XX ±.03		APPR RDW 2/21/03	
02 REV TO MATCH ORACLE				LST 8/13/2010		XX XXX ±.005		SCALE 1:2	
- UPDATE & REDRAWN IN SOLIDWORKS				LST 12/10/2009		XX XXXX ±.0005		REF 035450	
NO REVISION				BY & DATE		CHK ANG ±1/2°		FMF	
THIRD ANGLE PROJECTION				RFP		PREV		PAGE OF	
				NETWORK FILE NAME 035465		FINISH		DRAWING NO	
						SIZE B		PAGE 035465	
								REV 02	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



SPEED	L1	L2	L3	JOIN	SEPARATE
HIGH	T6	T4	T5	(T1,T2,T3)	
LOW	T1	T2	T3		(T4),(T5), (T6)

		TOLERANCES UNLESS SPECIFIED	
		DEC.	INCHES
		.X	±.1
		.XX	±.01
03	SPEED WAS VOLTAGE	RLW 6/23/04	.XXX ±.005
02	REDRAWN TO CAD	DBT 5/30/97	.XXXX ±.0005
NO.	REVISION	BY & DATE	CHK ANG ±1/2°
			RFP 10/31/77
			DIST



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN	DLL 10/19/77
CHK	RPB 10/28/77
APPD	JCW 10/31/77
SCALE	1=1
REF	W-T8(4-8)1
FMF	184T17FB9
PREV	

TITLE	EXT. WIRING DIAGRAMS 3 PHASE W/O PROTECTOR
MAT'L.DECAL:	004183 2SPEED/1WINDING/CONSTANT TORQUE
FINISH	
CAD FILE	00514801
SIZE	A
DRAWING NO.	005148-01
REV.	03



CERTIFICATION DATA SHEET

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

CUSTOMER: REGAL BELOIT DE MEXICO
ORDER #: MU130306
CONN. DIAGRAM: 5148.01
OUTLINE: 035465-950
WINDING #: T8(4-8)9

CUSTOMER PO#: 131470 A
MODEL #: 131470 A
CUSTOMER PART #: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN								
3	2.24	1800	1725	184T	TEFC	G	2VT								
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C							
3	60	460	3.8	ACROSS THE LINE	CONTINUOUS	F4	1	40							
FULL LOAD EFF:		80	3/4 LOAD EFF:		82	1/2 LOAD EFF:		80.4	GTD. EFF		75.4	ELEC. TYPE		SQ CAGE IND RUN	
FULL LOAD PF:		85(0.85)	3/4 LOAD PF:		82	1/2 LOAD PF:		75.4	75.5 <th colspan="4"></th>						
F.L. TORQUE		24 LB-FT	LOCKED ROTOR AMPS		5.76	L.R. TORQUE		105.3 LB-FT	B.D. TORQUE		105.3 LB-FT	F.L. RISE°C			25

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE		BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	ROLLED STEEL
DE	ODE	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
BALL	BALL						
6206	6205						

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

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

Data Sheet

Date: 1/19/2018

131470.00



Data @ 460 V

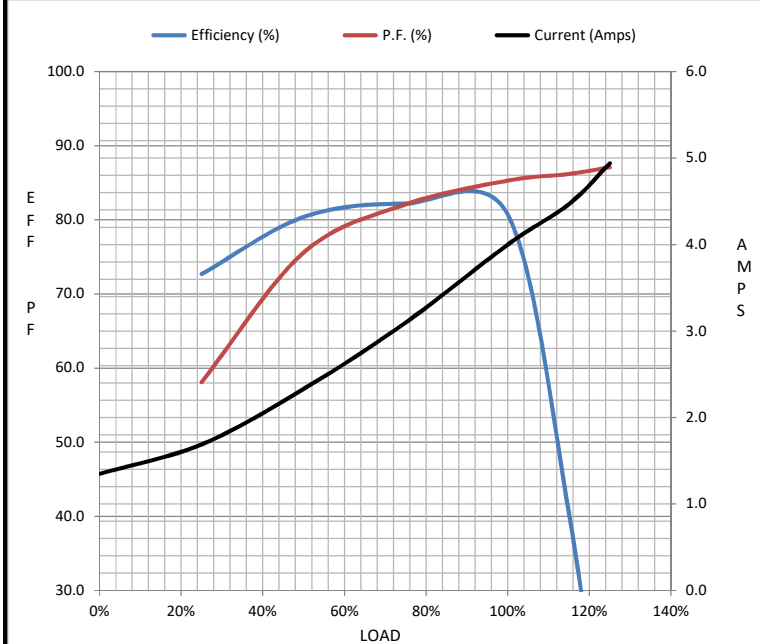
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.35	1.69	2.33	3.1	4.0	4.5	4.9	23.5
Torque (ft-lb)	0.00	2.25	4.5	6.8	9.0	4.5	0.00	21.0
RPM	1800	1779	1760	1738	1714	1,703	1686	0
Efficiency (%)		72.7	80.4	82.2	80.7	40.4	0.0	
P.F. (%)	21.0	58.1	75.6	82.1	85.3	86.2	87.1	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1714	1800
Current (Amps)	23.5	21.6	14.1	4.0	1.35
Torque (ft-lb)	21.0	16.3	22.0	9.0	0.00

Information Block				
HP	3.0			
Sync. RPM	1800			
Frame	180			
Enclosure	TEFC			
Construction	NA			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T8(4-8)9 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	035465-950			
Conn. Diag	005148.01			
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

