

PRODUCT INFORMATION PACKET



Model No: 131986.00
Catalog No: 131986.00
5 HP General Purpose Motor, 3 phase, 3600 RPM, 230/460 V, 184T Frame, ODP
General Purpose Motors



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





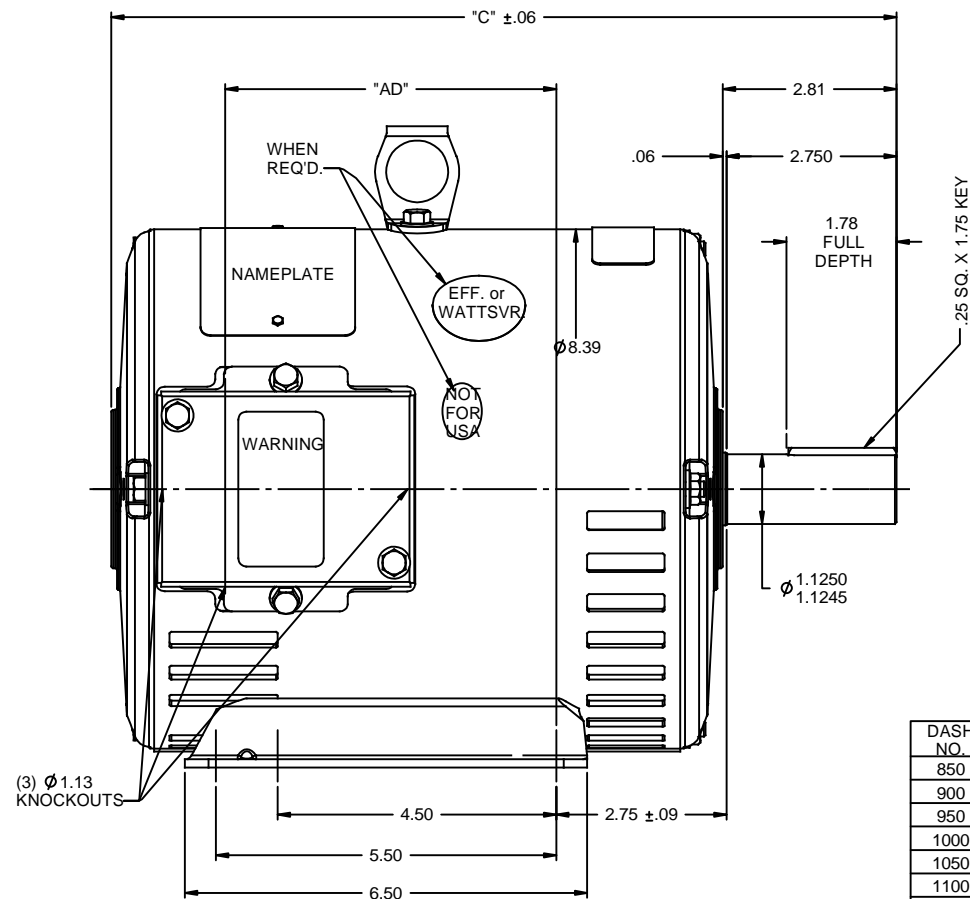
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.0/6.0 A	Speed	3515 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	184T	Enclosure	Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

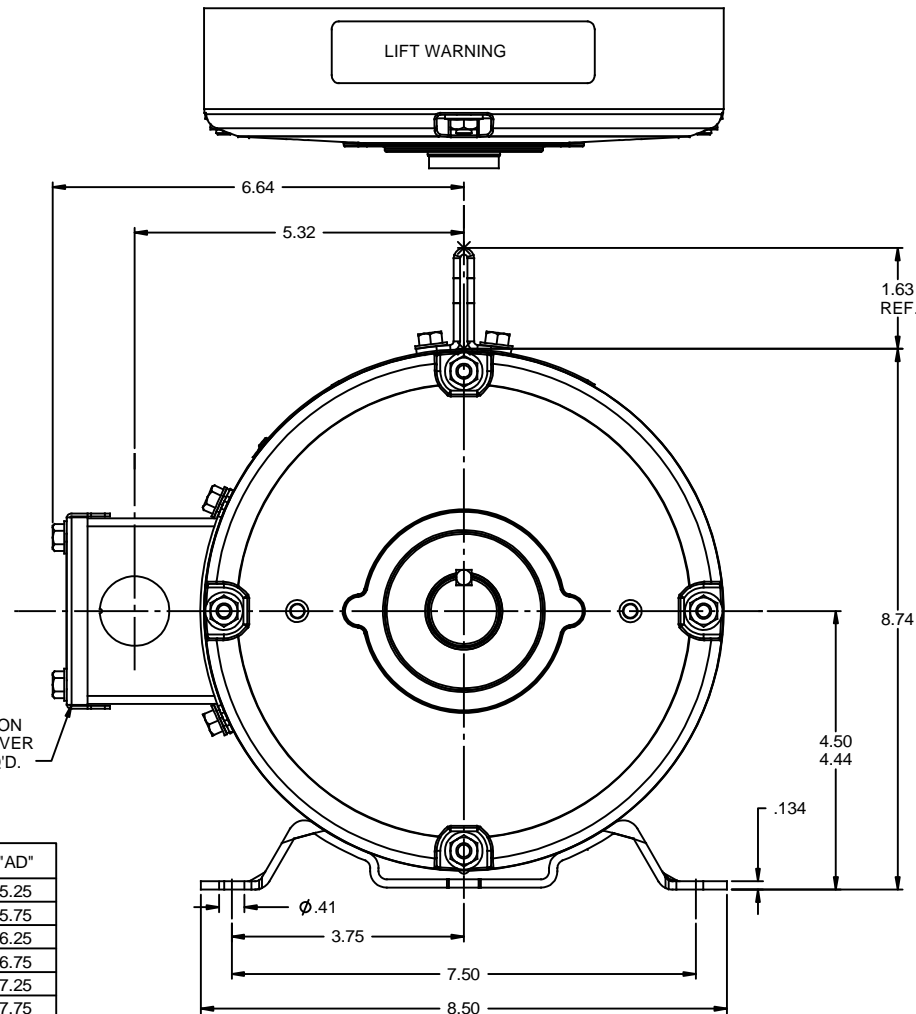
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.98 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	15.19 in
Frame Length	11.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.20	Outline Drawing	035464-1100

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/07/2021





DASH NO.	"C"	"AD"
850	12.69	5.25
900	13.19	5.75
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25
1200	16.19	8.75

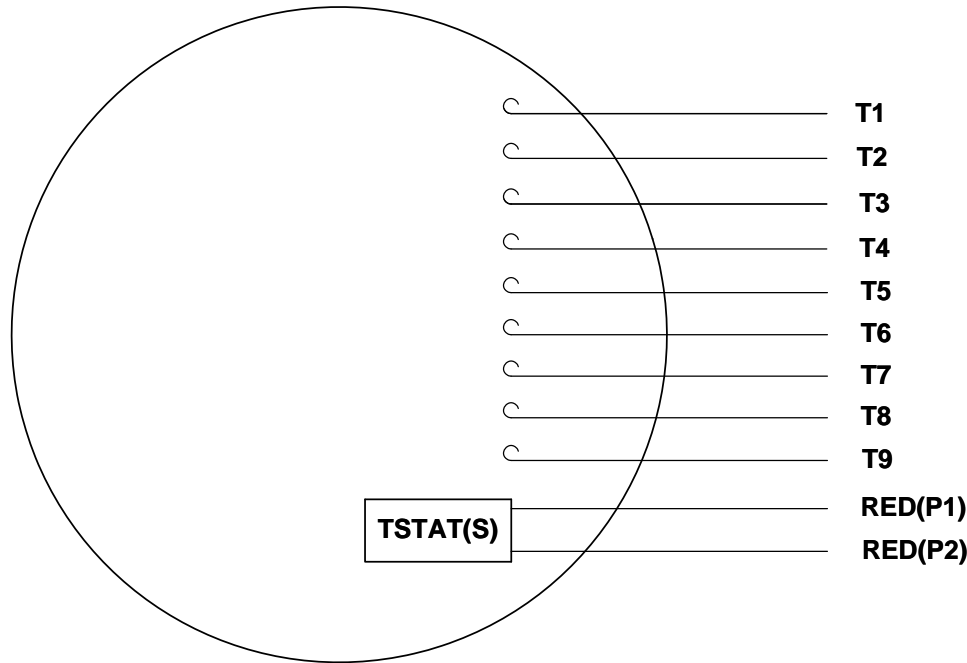
DECAL-
CONNECTION
UNDER COVER
WHEN REQ'D.



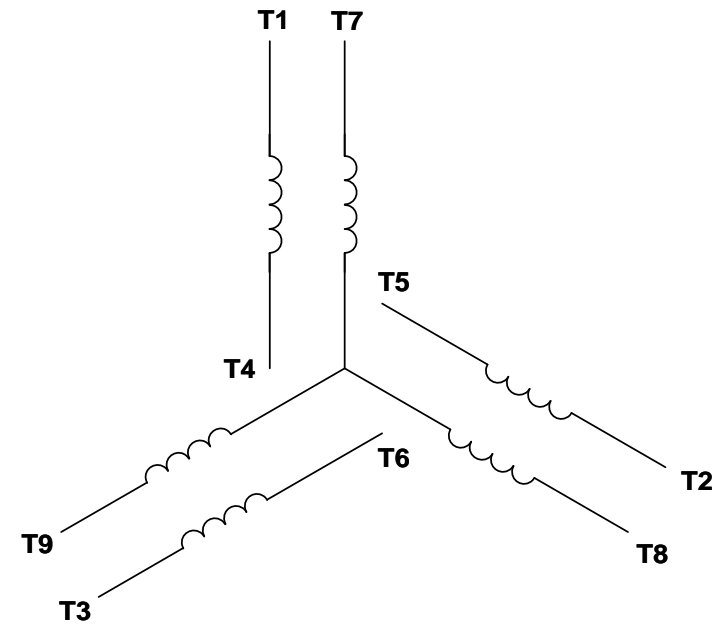
GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED			REGAL-BELOIT CORPORATION	DRAWN MGM 2/21/03	
		DEC	INCHES			CHK	
		X	±.1			APPR RDW 2/21/03	
		XX	±.03			SCALE 1:2	
		XXX	±.005	TITLE OUTLINE - 180T FRAME DRIP PROOF - RIGID			
						REF 035455	
-	UPDATED & REDRAWN IN SOLIDWORKS		LST 12/23/2009	XX XXXX	±.0005	MATL GENERAL PURPOSE	FMF
NO	REVISION		BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE OF
THIRD ANGLE PROJECTION				RFP		PREV	
				NETWORK FILE NAME		SIZE	DRAWING NO
						B	035464

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



LINE LEADS



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

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017
ECO DESCRIPTION ADDED P1 & P2 FOR TSTAT		
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>		

TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.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: 125/3.2			
INCH/mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY DBT 12/16/97	DATE
APPROVED BY KH 12/17/97	DATE
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE WITH PROTECTOR	
MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
SHEET 1 OF 1	

Data Sheet

Date: 1/31/2018

131986.00



Data @ 460 V

Motor Load Data

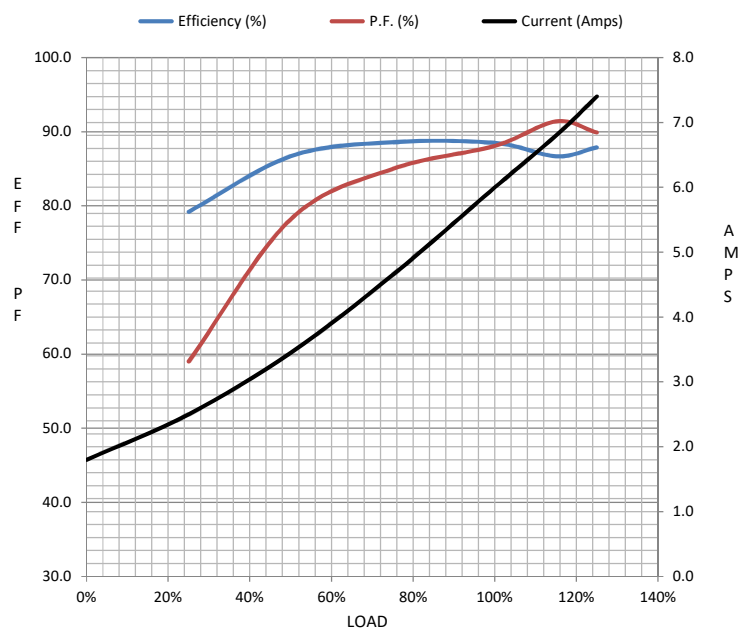
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.80	2.50	3.5	4.7	6.0	6.8	7.4	50.0	
Torque (ft-lb)	0.00	1.83	3.7	5.6	7.5	8.6	9.4	18.0	
RPM	3600	3580	3558	3535	3510	3,500	3485	0	
Efficiency (%)		79.2	86.7	88.6	88.5	86.7	87.9		
P.F. (%)	12.2	59.0	78.2	85.0	88.1	91.4	89.9	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2600	3510	3600
Current (Amps)	50.0	46.0	30.0	6.0	1.80
Torque (ft-lb)	18.0	17.5	26.0	7.5	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	180			
Enclosure	DP			
Construction	TDR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.49 Lb-Ft²			
Ref Wdg	T8291 DR			
Sound Pressure @ 1M	76 dBA			
VFD Rating	NONE			
Outline Dwg	035464-1100			
Conn. Diag	005010.20			
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

