

PRODUCT INFORMATION PACKET



Model No: 131553.00
Catalog No: 131553.00
2 HP Special Voltage Motor, 1 phase, 1500 RPM, 220 V, 182T Frame, ODP
Special Voltage 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

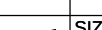
Output HP	2 Hp	Output KW	1.5 kW
Frequency	50 Hz	Voltage	220 V
Current	11.8 A	Speed	1440 rpm
Service Factor	1.15	Phase	1
Efficiency	72 %	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
Frame	182T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °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

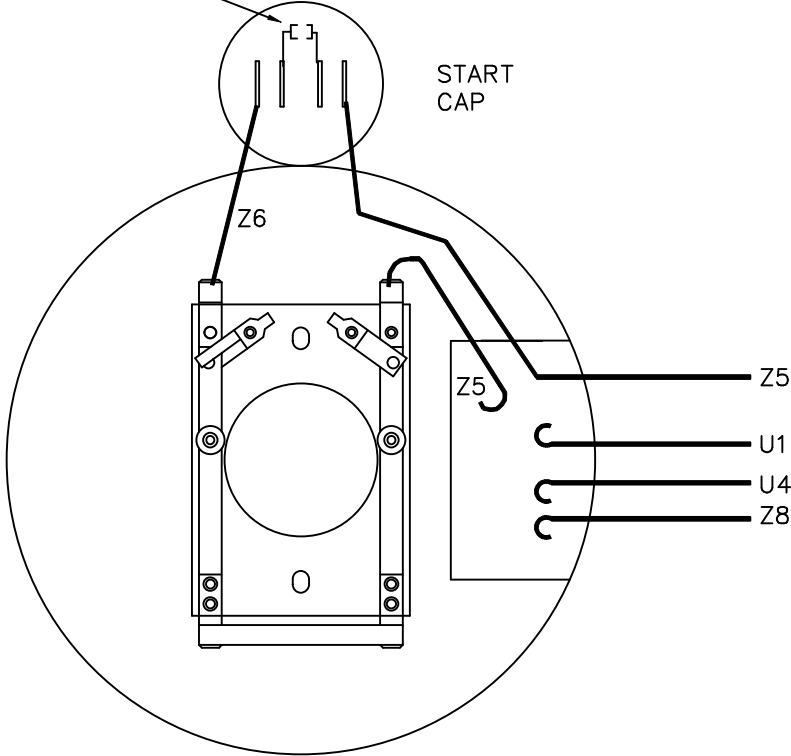
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.69 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035370-950	Connection Drawing	005403.01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/12/2021

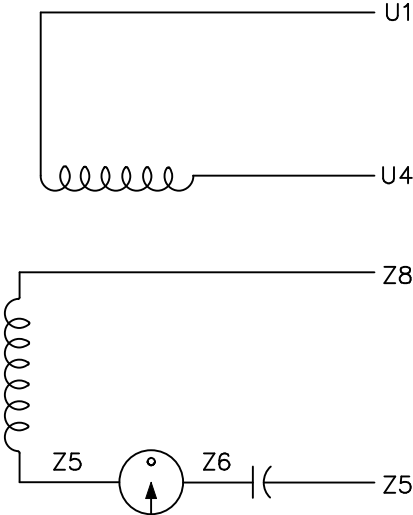


DRAWING REVISION E		REVISION BY NK		DATE 8/28/18		TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]				DRAWN BY PG		Regal Beloit America, Inc.					
ECO ECO-0151575		APPROVED BY SR		DATE 8/28/18		REMOVE BURRS & 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]				DATE 10/02/97							
ECO DESCRIPTION WHEN REQ'D NOTE ADDED 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.						DESCRIPTION OUTLINE DRIP PROOF - RIGID MOUNT											
						REFERENCE				MATERIAL				PROCESS/FINISH			
						THIRD ANGLE PROJECTION						SIZE B		DRAWING NUMBER 035370		SHEET 1 OF 1	

RESISTOR WHEN REQUIRED



LINE LEADS



ROTATION FACING LEAD END	L1	L2
C.C.W. ROT.	U1, Z8	U4, Z5
C.W. ROT.	U1, Z5	U4, Z8

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

TYPE "C" W/O PROT.
REF. DECAL 080670

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION					
				DECIMALS							
				.00	± .01	DRAWN TMZ 04/14/97	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR				
				.000	± .005	CH'K'D.					
				.0000	± .0005	APPR.	MAT'L.				
NO.	REVISION		BY	DATE	FRACTIONS	± 1/64					SCALE 1=2
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					ANGLES	± 1/2'	REF. 5033-01	FINISH		SIZE	DRAWING NO.
					INCH/MM		FMF 121326	BABSON		A	005403-01



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005403.01
OUTLINE: 035370-950
WINDING #: C845 DR 4 A

CATALOG #: 131553.00

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1500	1440	182T	DP	H	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	50	220	11.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70.9	1/2 LOAD EFF:	67	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	79	3/4 LOAD PF:	71.4	1/2 LOAD PF:	59.9	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.2 LB-FT	56	19 LB-FT 264 %	14.3 LB-FT 199 %	67.4

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.357 LB-FT^2	0.4 LB-FT^2	0 SEC.	0	73 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

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

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

*

N

O

T

E

S

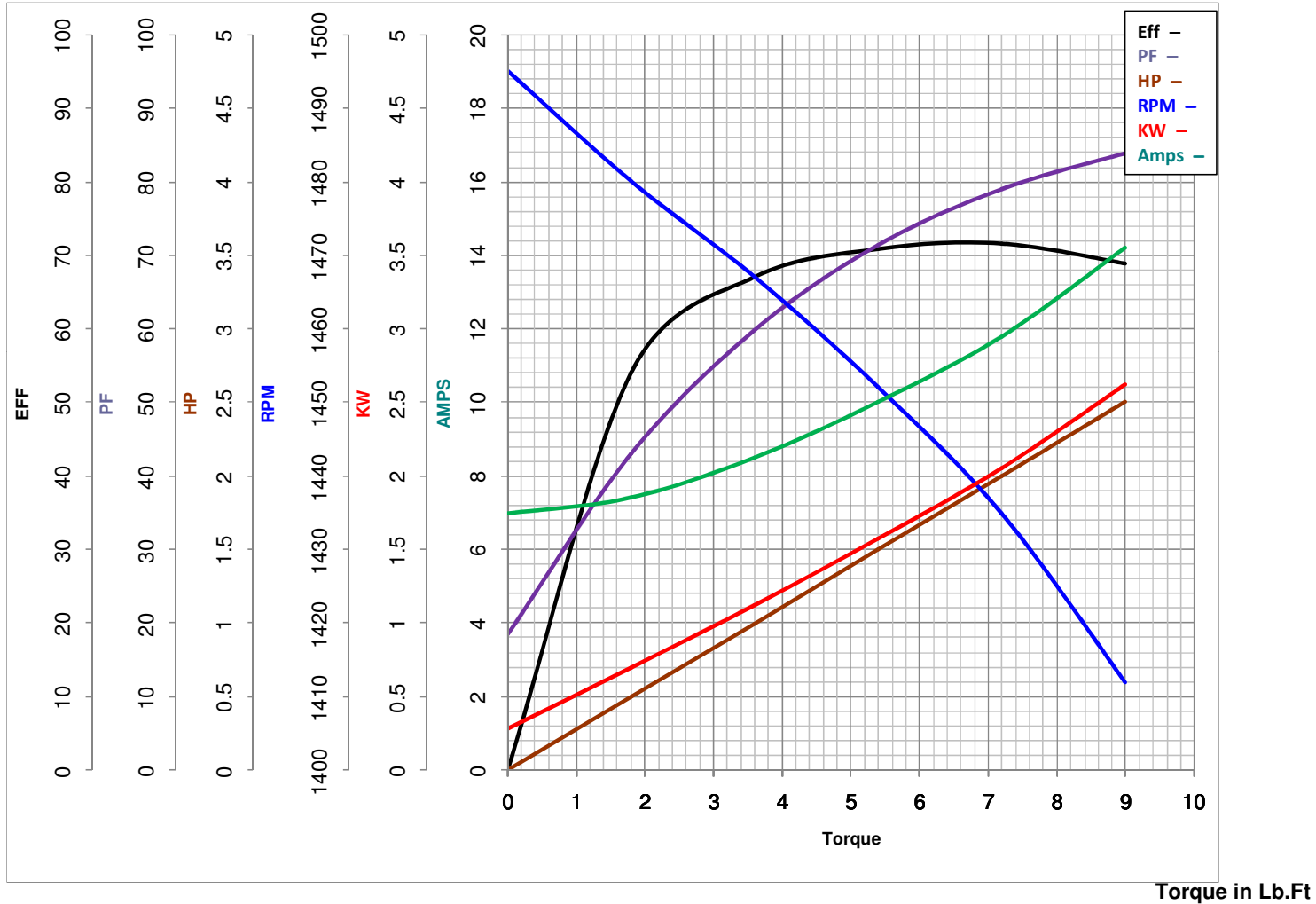
*

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



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131553.00Curve at 220
50
2Volts
HZ
HPHP 2.00PHASE 1VOLTS 220HZ 50RPM 1440Catalog No 131553.00

FL TORQUE 7.2 Lb.Ft
 BD TORQUE 14.3 Lb.Ft
 LR TORQUE 19 Lb.Ft

FL AMPS 11.8
 PU TORQUE 13.8 Lb.Ft
 LR AMPS 56

WINDING C845-4

Date 3/16/2018