

PRODUCT INFORMATION PACKET

Model No: 100145.00

Catalog No: 100145.00

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, S56 Frame, DP



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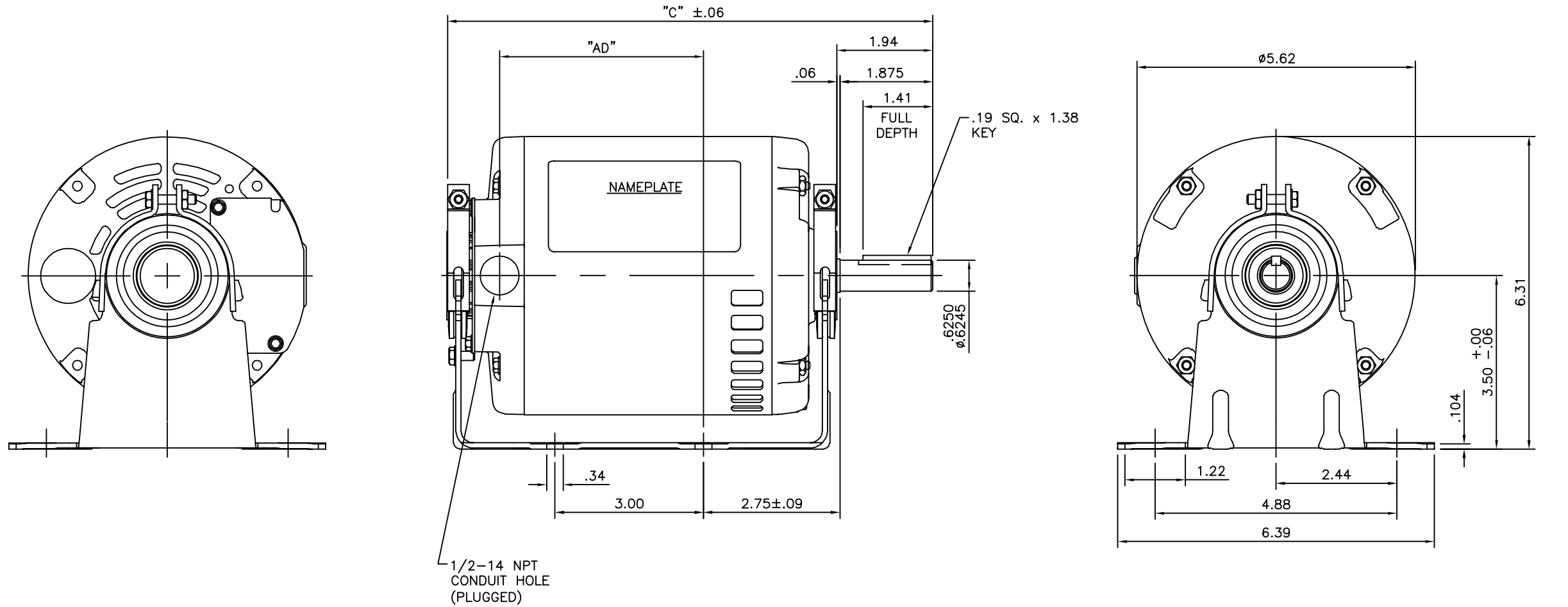
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	230/460 V
Current	2.0/1.0 A	Speed	1725 rpm
Service Factor	1.25	Phase	3
Efficiency	68 %	Power Factor	66
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
Frame	S56	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	8.905 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.81 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 Only
Outline Drawing	031624-600	Connection Drawing	005010.01

031624



DASH NO.	"C"	"AD"
450	9.31	3.62
500	9.81	4.12
550	10.31	4.62
600	10.81	5.12
650	11.31	5.62
700	11.81	6.12
750	12.31	6.62

NO.		REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	DRAWING NO.		REV.		
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	CAD FILE	031624	B	031624	03
				TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN PG 5/24/01				
				DEC.	INCHES		CHK					
				.X	±.1		APPD					
03	REVISED SCREW HEAD POSITON PER ECO-0053841		PST 6/19/2014	PI	.XX	±.03	TITLE		SCALE 1=2			
02	ADDED LEAD END VIEW PER ISAAC# 08-5699		RVD 01/15/09		.XXX	±.005	OUTLINE - S56 FRAME RESILIENT MOUNT - DRIP PROOF		REF 030485			
01	ADDED "700" DASH NO.		PG 6/28/01		.XXXX	±.0005	MAT'L. 3 PHASE		FMF 100145			
				CHK		ANG	±1/2'	PREV				

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		
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				DIST	BRF-NLV					

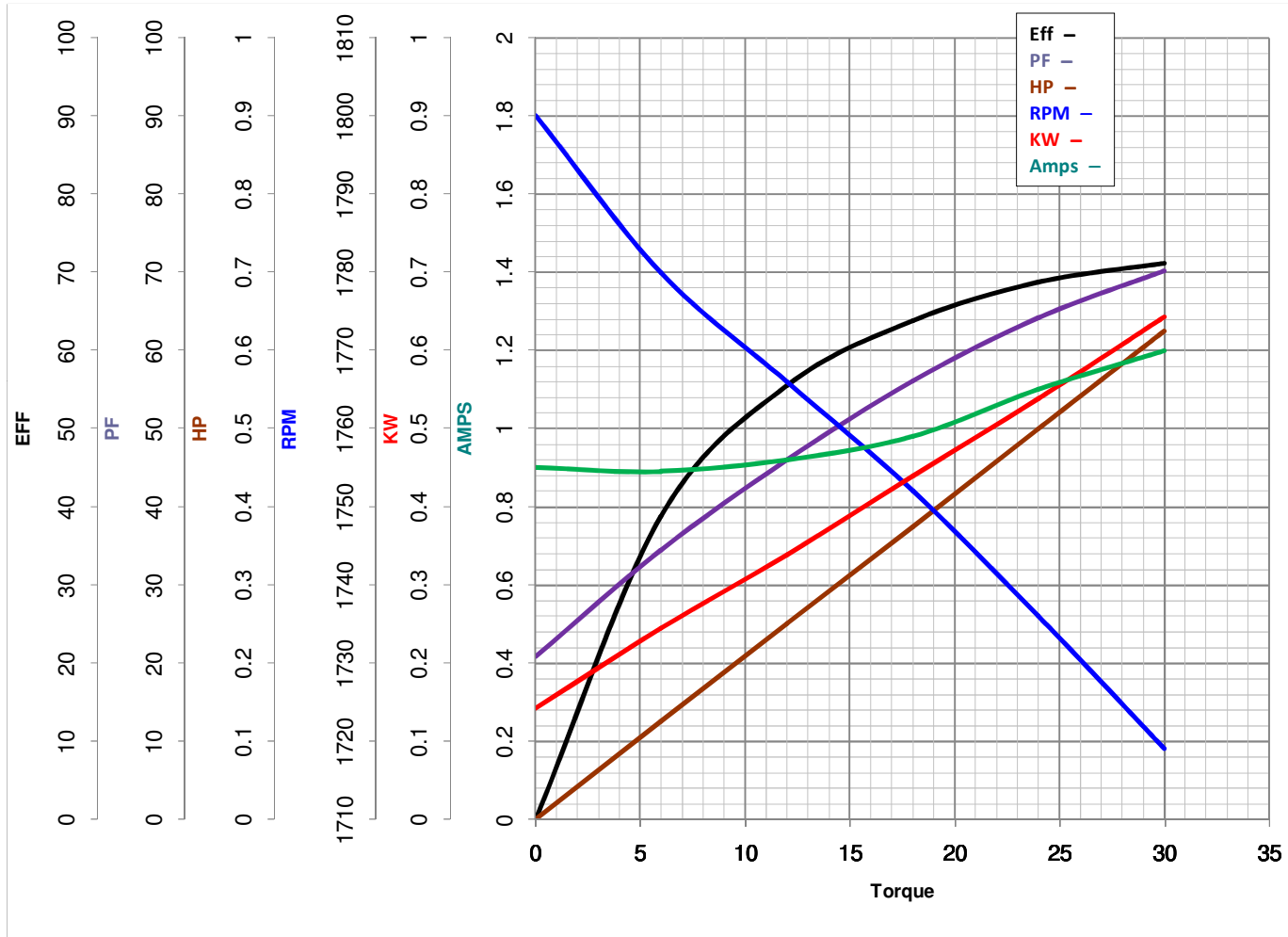


LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100145.00

Catalog No 100145.00

Curve at 460 Volts HP 0.50 PHASE 3
60 HZ
0.5 HP VOLTS 230/460
 HZ 60 RPM 1725



Torque in Oz.Ft

FL TORQUE 24 Oz.Ft
 BD TORQUE 100.0 Oz.Ft
 LR TORQUE 95.9 Oz.Ft

FL AMPS 43132
 PU TORQUE 91.3 Oz.Ft
 LR AMPS 5.95

WINDING TE48415-3

Date 5/24/2018