

PRODUCT INFORMATION PACKET



Model No: 100029.00

Catalog No: 100029.00

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



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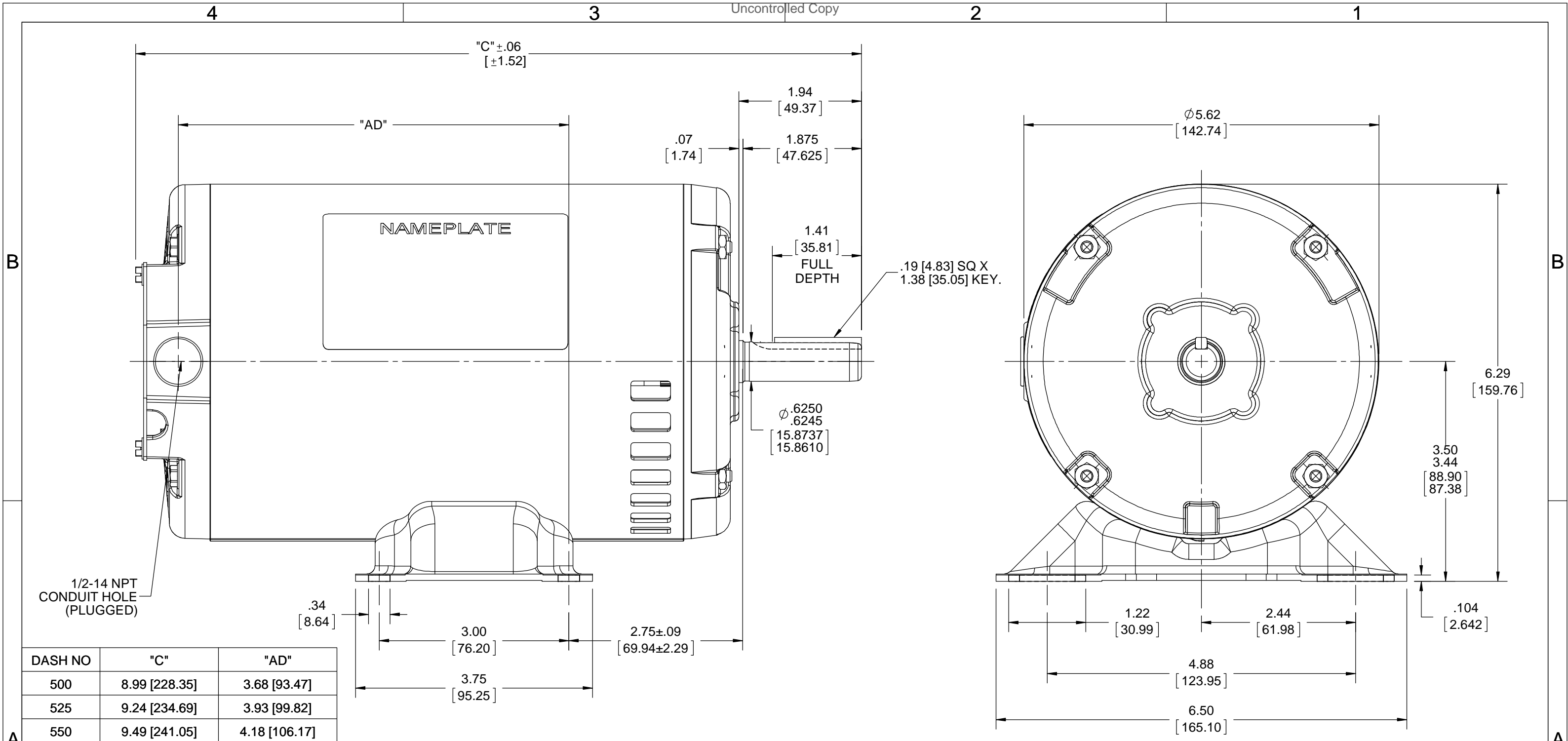


Nameplate Specifications

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	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	9.99 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 Only
Outline Drawing	031620-600	Connection Drawing	005010.01



DASH NO	"C"	"AD"
500	8.99 [228.35]	3.68 [93.47]
525	9.24 [234.69]	3.93 [99.82]
550	9.49 [241.05]	4.18 [106.17]
575	9.74 [247.39]	4.43 [112.52]
600	9.99 [253.75]	4.68 [118.87]
625	10.24 [260.09]	4.93 [125.22]
650	10.49 [266.45]	5.18 [131.57]
675	10.74 [272.79]	5.43 [137.92]
700	10.99 [279.15]	5.68 [144.27]
725	11.24 [285.49]	5.93 [150.97]
750	11.49 [291.85]	6.18 [156.97]
775	11.74 [298.19]	6.43 [163.32]
800	11.99 [304.55]	6.68 [169.67]

DRAWING REVISION E	REVISION BY A SUPPANAVAR	DATE 09/18/2018
ECO ECO-0154532	APPROVED BY JD	DATE 10/11/2018
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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 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 200 INCH/mm 5.1			
mm SHOWN IN [BRACKETS]			

DRAWN BY PG	REGAL™ Regal Beloit America, Inc.	
DATE 5/24/01	DESCRIPTION OUTLINE RIGID MOUNT-DRIP PROOF 3 PHASE	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	SIZE B	DRAWING NUMBER 031620
REFERENCE 031067	SHEET 1 OF 1	
THIRD ANGLE PROJECTION		

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				
						CHK	APPD			
		DEC.	INCHES	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		SCALE	1=1			
		.X	±.1			REF	FIG.2-51			
		.XX	±.01			MAT'L. DECAL - 004014		FMF		
		.XXX	±.005					PREV		
A	UPDATED TO REGAL LOGO	SAJ	06/26/15	AJY	.XXXX	±.0005				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH				
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				DIST	BRF-NLV			A	005010-01	A



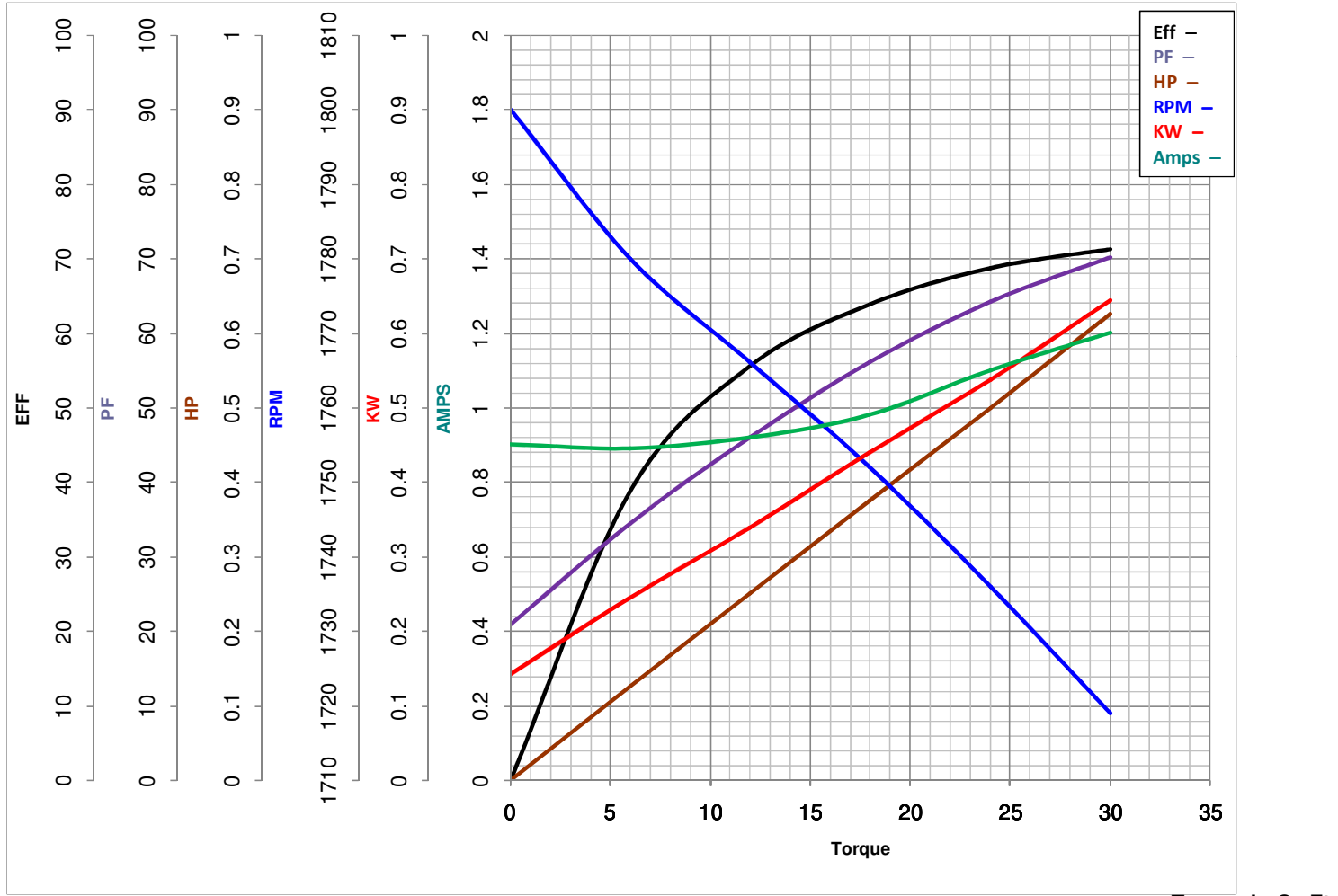
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100029.00

Catalog No 100029.00

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

HZ 60 RPM 1725



FL TORQUE	<u>24</u>	Oz.Ft	FL AMPS	<u>2/1</u>	
BD TORQUE	<u>100.0</u>	Oz.Ft	PU TORQUE	<u>91.3</u>	Oz.Ft
LR TORQUE	<u>95.9</u>	Oz.Ft	LR AMPS	<u>5.95</u>	
WINDING	TE48415-3		Date	5/22/2018	