

# PRODUCT INFORMATION PACKET



Model No: C6C28DR2 D

Catalog No: 114224.00

1/2HP..37kW.2850RPM.56H.IP22.110/220V.1PH.50HZ.CONT.NOT.40C.1.25SF.RESIL.50  
HERTZ.C6C28DR2D  
50 Hz



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REGAL



## Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>50 Hz</b>	Voltage	<b>110/220 V</b>
Current	<b>7.6/3.8 A</b>	Speed	<b>2850 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>1</b>
Efficiency	<b>70 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>L</b>
KVA Code	<b>K</b>	Frame	<b>56H</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

## Technical Specifications

Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Selective Counterclockwise</b>
Mounting	<b>Resilient Base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>11.32 in</b>	Frame Length	<b>5.50 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>028619-550A</b>	Connection Diagram	<b>005390.01</b>

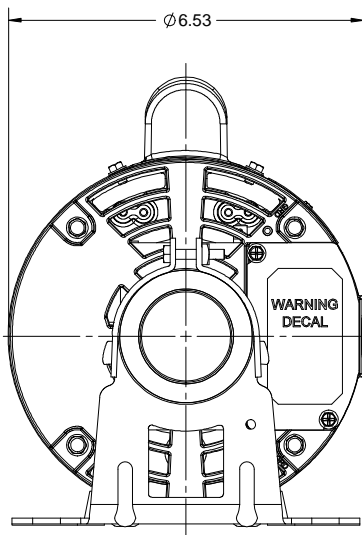
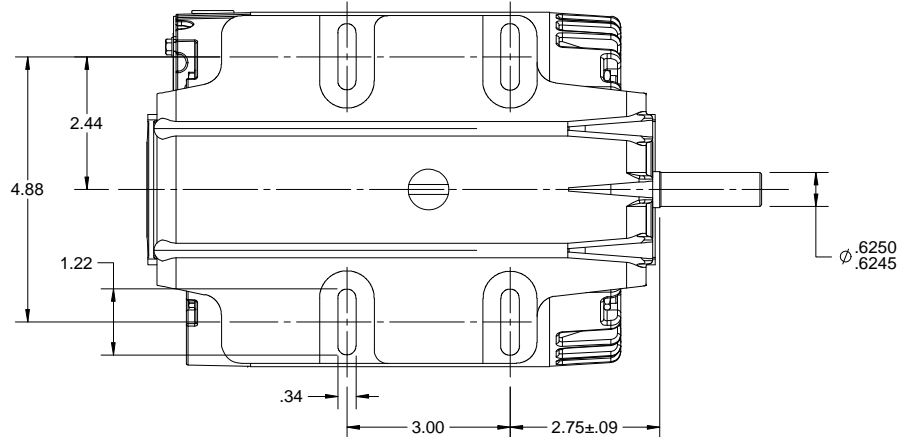
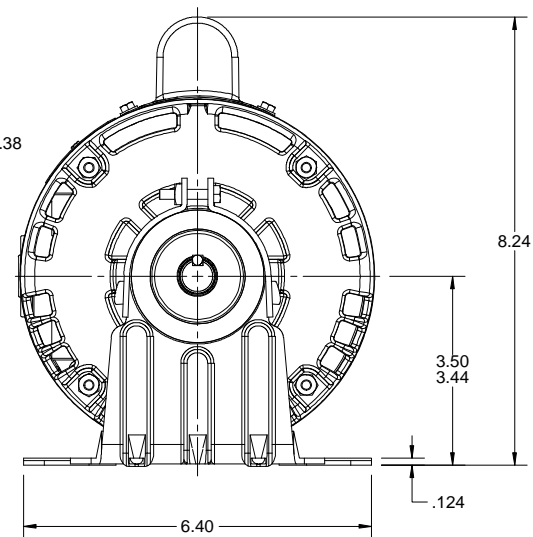
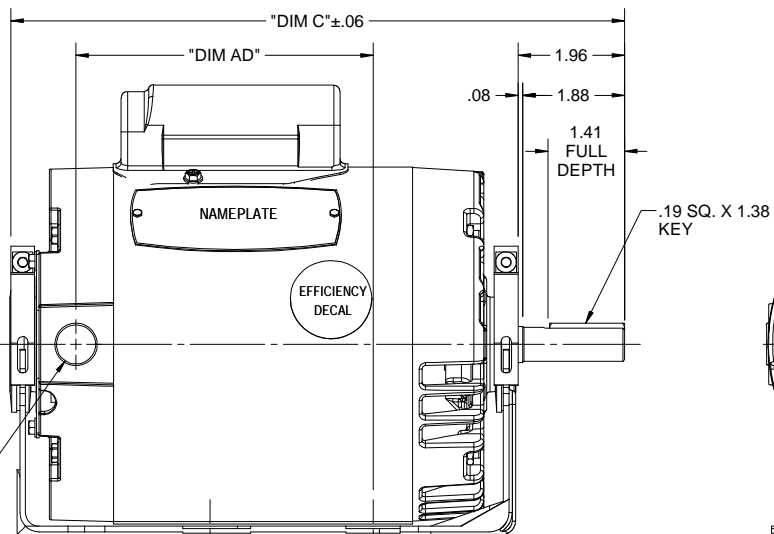
4

3

Uncontrolled Copy

2

1

1/2-14 NPT  
PLUGGED

DASH NO.	"DIM C"	"DIM AD"
500	10.79	4.97
550	11.29	5.47
600	11.79	5.97
650	12.29	6.47

DRAWING REVISION	REVISION BY	DATE
A	P. GASSER	
ECO-0128249	APPROVED BY	DATE
ECO DESCRIPTION		
REDRAWN IN SOLIDWORKS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.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			
mm SHOWN IN [BRACKETS]			

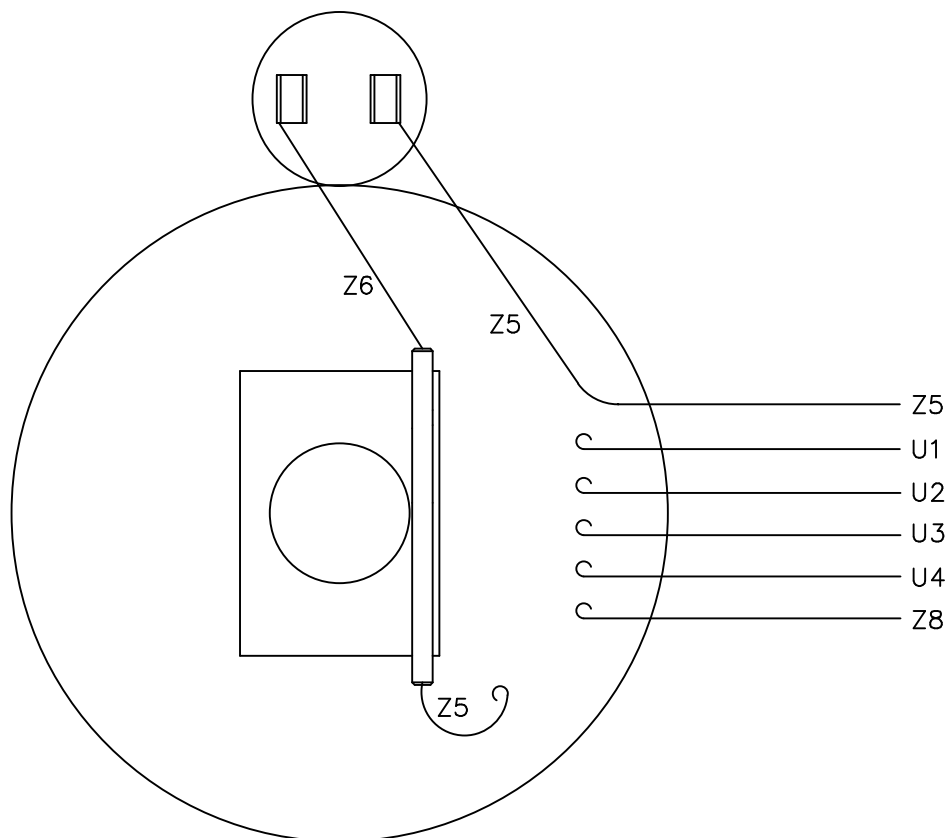
DRAWN BY	DATE
R. WEBER	07/28/04
APPROVED BY	DATE
REFERENCE	THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

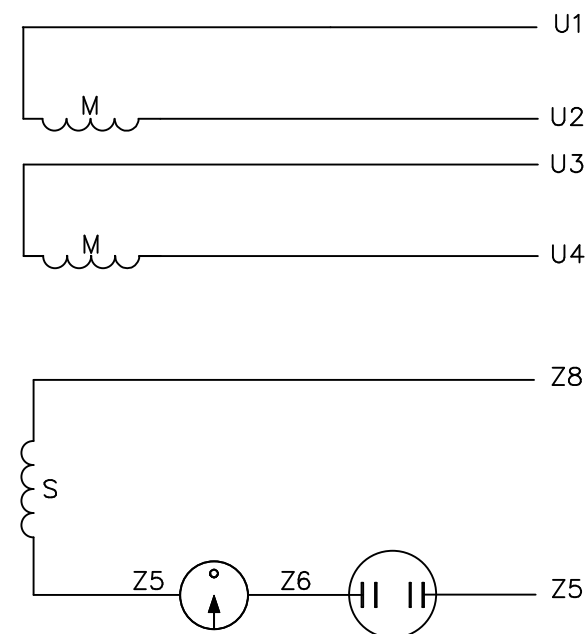
**OUTLINE**  
56-FRAME, DRIP PROOF, RESILIENT MOUNT

MATERIAL		PROCESS/FINISH	
SIZE	DRAWING NUMBER		SHEET
B	028619		1 OF 1


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



## LINE LEADS



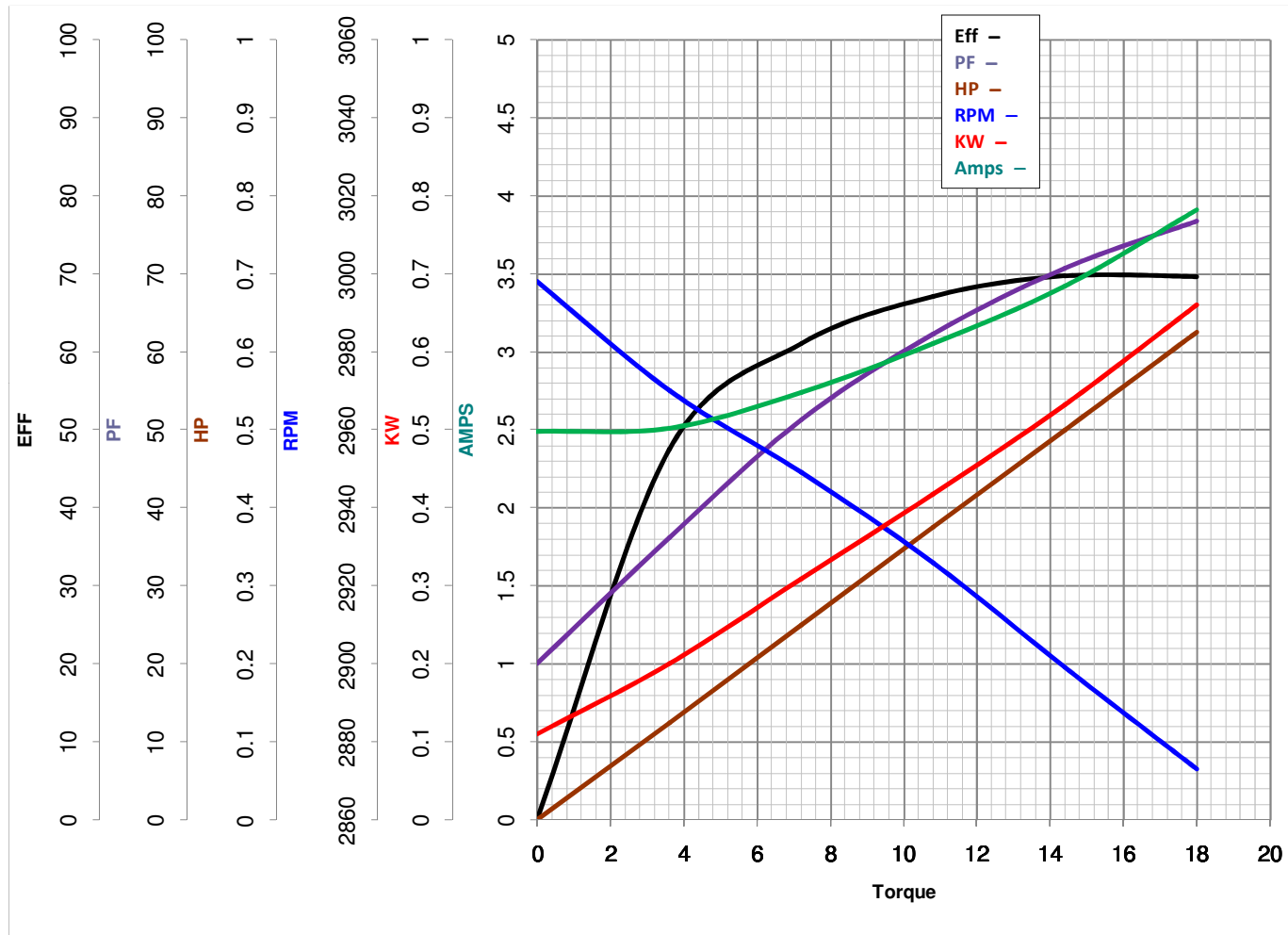
	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	U1	U4 Z5	U2,U3 Z8
	C.W.	U1	U4 Z8	U2,U3 Z5
LOW VOLT	C.C.W.	U1,U3 Z8	U2,U4 Z5	---
	C.W.	U1,U3 Z5	U2,U4 Z8	---

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RSK 09/09/96	
				DEC.	INCHES				CHK	
				.X	±.1				APPD	
				.XX	±.01		TITLE		SCALE	1=1
				.XXX	±.005		EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR		REF	005005-01
				.XXXX	±.0005	MAT'L.	DECAL - 080642		FMF	114964.00
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	LEESON CANADA		PREV	
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				DIST					A	005390-01
										REV.



# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 114224.00Curve at 220  
50  
0.5Volts  
HZ  
HPHP 0.50  
  
VOLTS 110/220PHASE 1Catalog No 114224.00HZ 50RPM 2850

Torque in Oz.Ft

FL TORQUE 14.4 Oz.Ft  
 BD TORQUE 45.0 Oz.Ft  
 LR TORQUE 50 Oz.Ft

FL AMPS 7.6/3.8  
 PU TORQUE 36.0 Oz.Ft  
 LR AMPS 19.6

WINDING C632229-4

Date 3/27/2018