

PRODUCT INFORMATION PACKET



Model No: 5KC49SN6380

Catalog No: C1817

Explosion Proof Motor, 0.50 HP, 1 Ph, 60 Hz, 115 V, 1200 RPM, 56CZ Frame, EPFC



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Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115 V
Speed	1140 rpm	Service Factor	1.0
Frame	56CZ	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Efficiency	63.8 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.8 A	Power Factor	65.2
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B

Technical Specifications

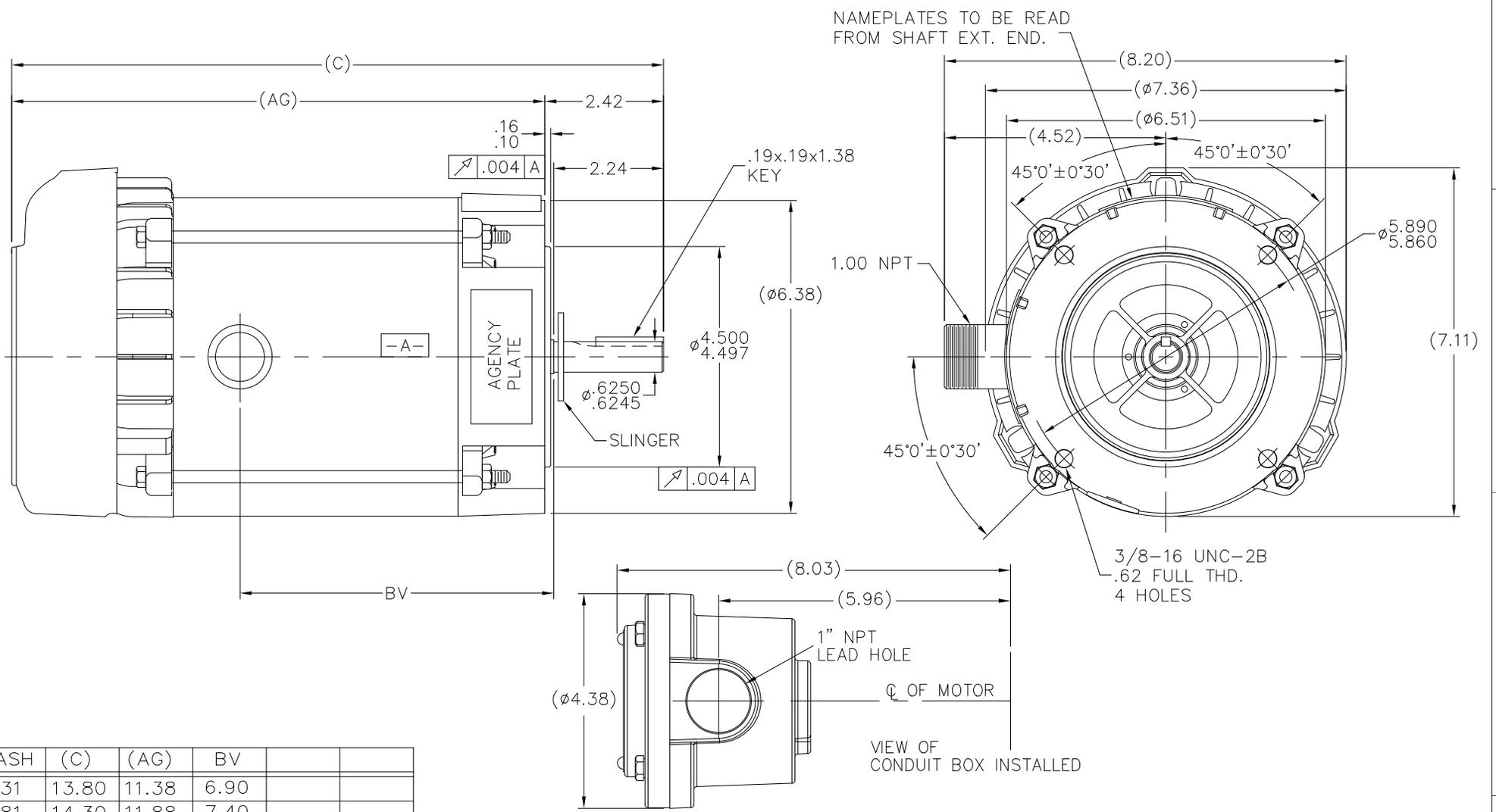
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	15.30 in
Frame Length	7.81 in	Shaft Diameter	0.625 in
Shaft Extension	2.42 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-105902GE-781	Connection Drawing	A-102005-64-GE

4

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1



DASH	(C)	(AG)	BV		
631	13.80	11.38	6.90		
681	14.30	11.88	7.40		
731	14.80	12.38	7.90		
781	15.30	12.88	8.40		
831	15.80	13.38	8.90		
881	16.30	13.88	9.40		
931	16.80	14.38	9.90		
981	17.30	14.88	10.40		

DRAWING REVISION H	REVISION BY D. VALENCIANO	DATE 05/07/2022	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ± 0.1 [± 2.5] $\pm 0.5^{\circ}$.XX ± 0.02 [± 0.51] .XXX ± 0.005 [± 0.127] XXXX ± 0.0005 [± 0.0127]	DRAWN BY: WNMKLEIST	Regal Beloit America, Inc. DESCRIPTION OUTLINE 'C' FACE-56FR-EXP. PR.-SPL EXTENSION MATERIAL PROCESS/FINISH SIZE DWG NO C 105902GE SHEET 1
ECO ECR-0217254	APPROVED BY M. DURAN	DATE 05/07/2022	REMOVE BURRS & BREAK SHARP EDGES .003/015 [076/381]X 45° CORNER FILLETS R.02 [51] MACHINED SURFACES 125/ INCH 2/ mm SHOWN IN BRACKETS]	APPROVED BY: ML	
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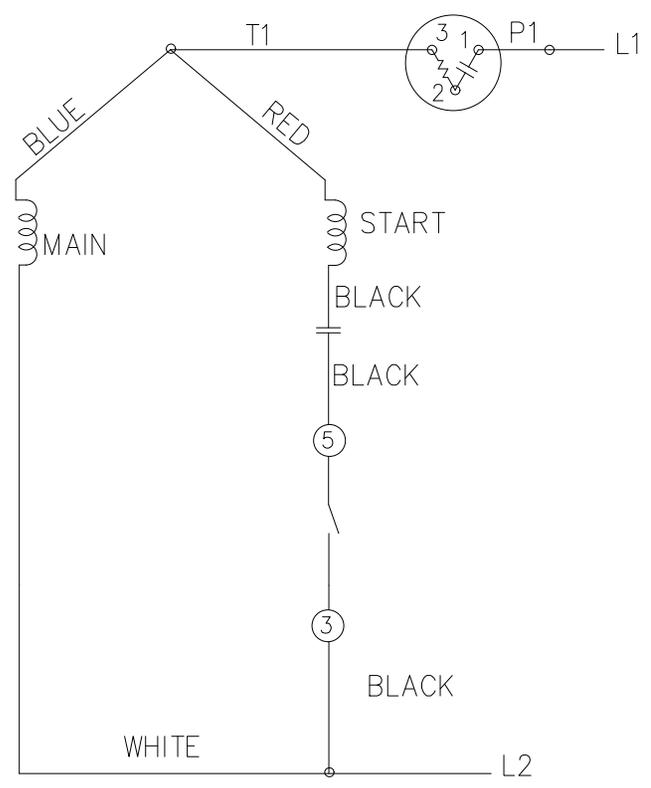
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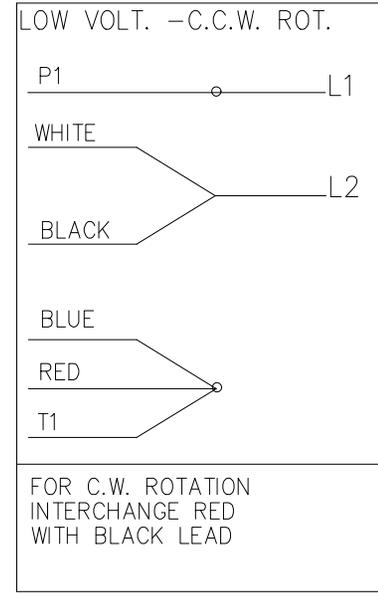
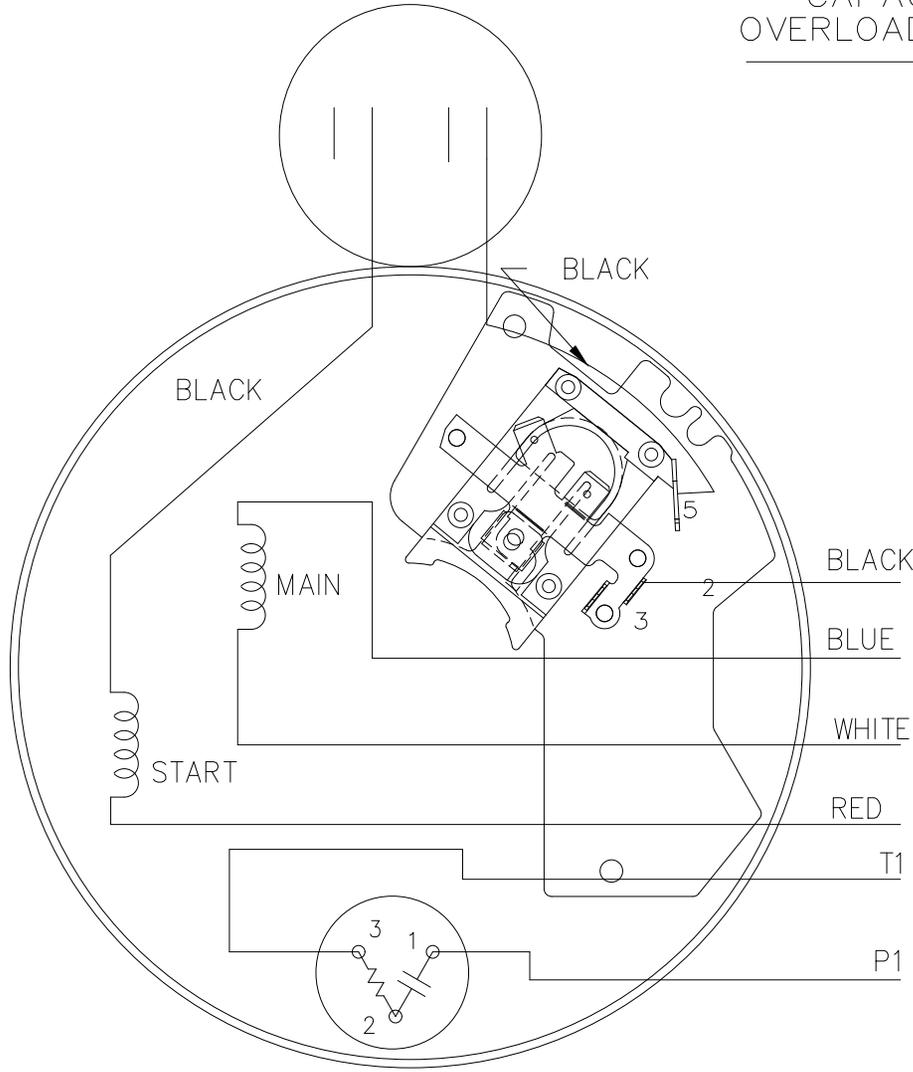
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1

LOW VOLTAGE -C.C.W.



LOW VOLTAGE
CAPACITOR START
OVERLOAD SELECT ROT.



DRAWING REVISION 5	REVISION BY KVDG	REV DATE/ DATE 05/28/2025
REQUEST NUMBER ECR-0243058	APPROVED BY DS	DATE 05/28/2025

REQUEST NUMBER DESCRIPTION
UPDATED THE DRAWING TO RRX TEMPLATE.

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.01	[±0.3]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.08/.38] X 45
CORNER FILLETS: R.02 [-.5]
MACHINED SURFACES: 125/ 3.2
INCH / mm

mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY PGK
DATE 07-03-1996
APPROVED BY GK
DATE 07-12-1996
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.		DESCRIPTION CONNECTION DIAGRAM	
		MAT'L	PROCESS/FINISH
SIZE B	DRAWING NUMBER 102005-64	SHEET 1 OF 1	



REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

115

Volts

HP 0.50

PHASE 1

60

HZ

VOLTS 115

Model No 5KC49SN6380

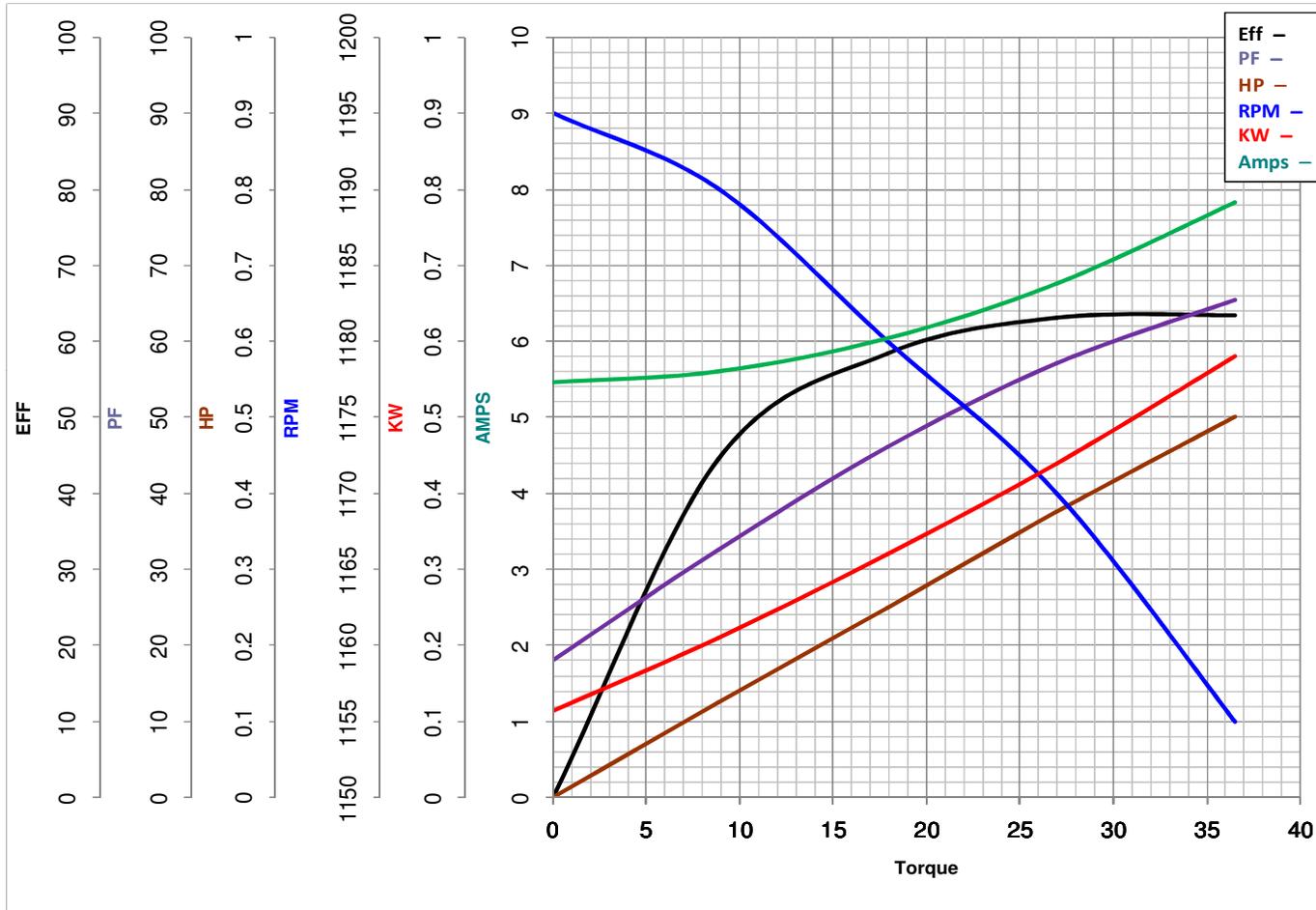
0.5

HP

HZ 60

RPM 1140

Catalog No C1817



Torque in Oz.Ft

FL TORQUE 36.5 Oz.Ft
BD TORQUE 61.7 Oz.Ft
LR TORQUE 44.4 Oz.Ft

FL AMPS 7.81
PU TORQUE 36.7 Oz.Ft
LR AMPS 32

WINDING ZC629-1

Date 2/4/2019