

PRODUCT INFORMATION PACKET



Model No: 056C17F5321

Catalog No: G571

General Purpose Motor, 0.50 & 0.33 HP, 1 Ph, 60 & 50 Hz, 115/208-230 & 110/220 V, 1800 & 1500 RPM,
56C Frame, TEFC



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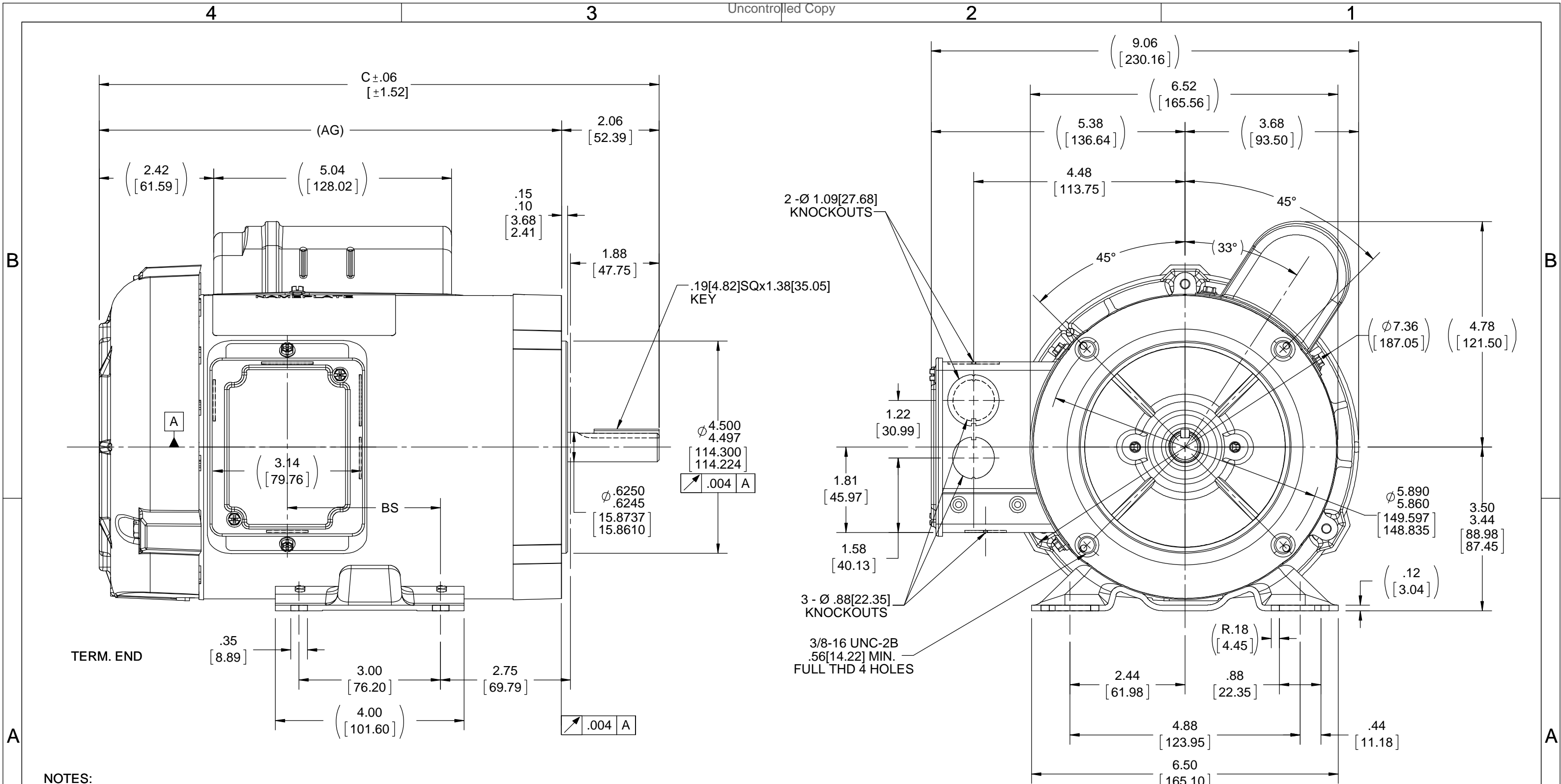


Nameplate Specifications

Phase	1	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	115/208-230 & 110/220 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.0
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	66 & 48 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8.8/4.2-4.4 & 10.2/5.1 A	Power Factor	58
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
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	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	11.81 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	102005-51	Outline Drawing	A-100143-656



NOTES:
 1.CONDUIT BOX CAN BE ROTATED 180°.
 2.REMOVABLE BASE.
 3.NAMEPLATE READ FROM COND. BOX SIDE OF MOTOR.

DASH	C	AG	BS
656	11.86 [301.24]	9.80 [248.92]	3.25 [82.55]
706	12.36 [313.94]	10.30 [261.62]	3.75 [95.25]
756	12.86 [326.64]	10.80 [274.32]	4.25 [107.95]

DRAWING REVISION G	REVISION BY H. ADIKE	DATE 8-23-2018
ECO ECO-0152983	APPROVED BY JD	DATE 9-20-2018
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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]	

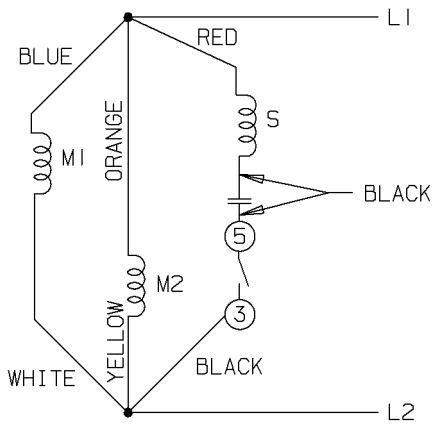
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
 CORNER FILLETS: R.02 [.51]
 MACHINED SURFACES: 200 INCH 5.1 mm

mm SHOWN IN [BRACKETS]

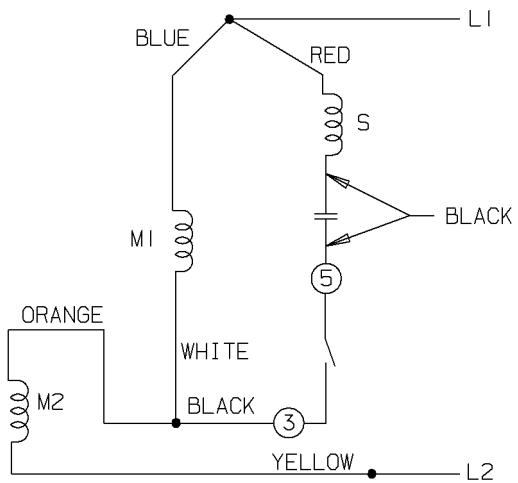
DRAWN BY BLR	DATE 05-28-1997
APPROVED BY GK	DATE 06-03-1997
REFERENCE 100143	THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 56 FR. -BB - TEFC - 1Ø - 'C' FACE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 100143
SHEET 1 OF 1	

LOW VOLTAGE - C.C.W.

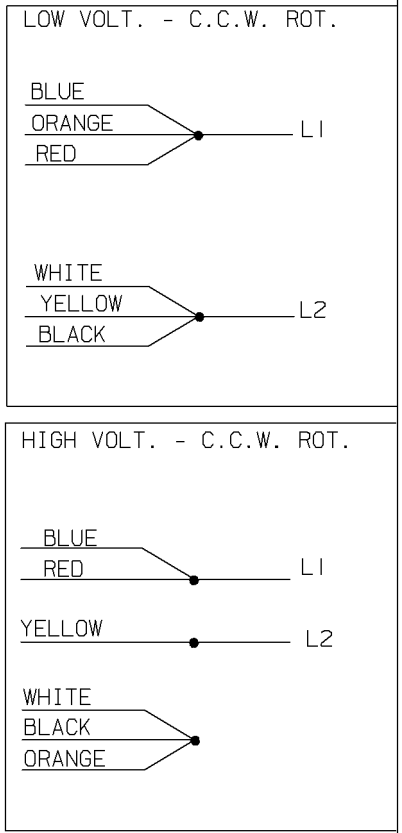
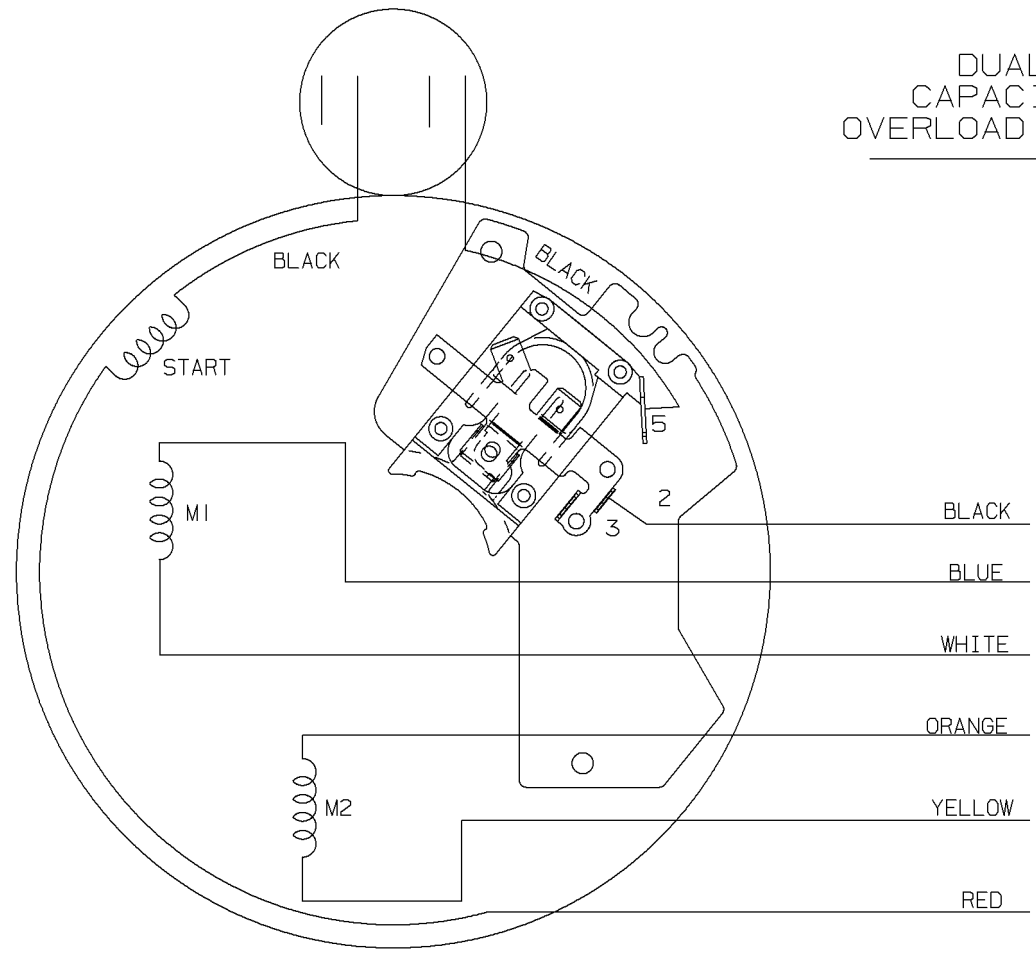


HIGH VOLTAGE - C.C.W.




A-102005-51

DUAL VOLTAGE
CAPACITOR START NO
OVERLOAD SELECT ROTATION



FOR C.W. ROTATION EITHER
VOLTAGE INTERCHANGE
RED WITH BLACK LEAD

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±					
				MATL SPEC	 Regal Beloit America, Inc.					
				FINISH					DRAWN BY CAV	06-18-1999
				REFERENCE DRW.					CHKD BY ML	06-18-1999
6	KVDG	CHD FROM MARATHON TO REGAL REXNORD LOGO	DS					APPD BY GK	06-18-1999	
5	06-17-1999	REDRAWN	CAV	PART NAME CONNECTION DIAGRAM				DRWG NO A-102005-51		
REV	DATE	CHANGE	NAME							

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

102005-51

CERTIFICATION DATA SHEET

Model#: 56C17F5321 K
CONN. DIAGRAM: 102005-51
OUTLINE: A-100143-656

WINDING#: ZC404 NONE 3
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	.37&0.25	1800	1725&1425	56C	TEFC	L	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60/50	115/208- 230#110/220	8.8/4.2- 4.4&10.2/5.1	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.0	40	3300

FULL LOAD EFF: 66&48	3/4 LOAD EFF: 58.3	1/2 LOAD EFF: 54.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			0	CAP START IND RUN	7 / 3.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.1 LB-FT	42.6 / 21.3	83.8 LB-FT -	72.3 LB-FT -	55

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

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: PROVISIONS FOR KIT NONE
STEARNS P/N NONE
56,000 NONE
10 FT-LB NONE V NONE Hz

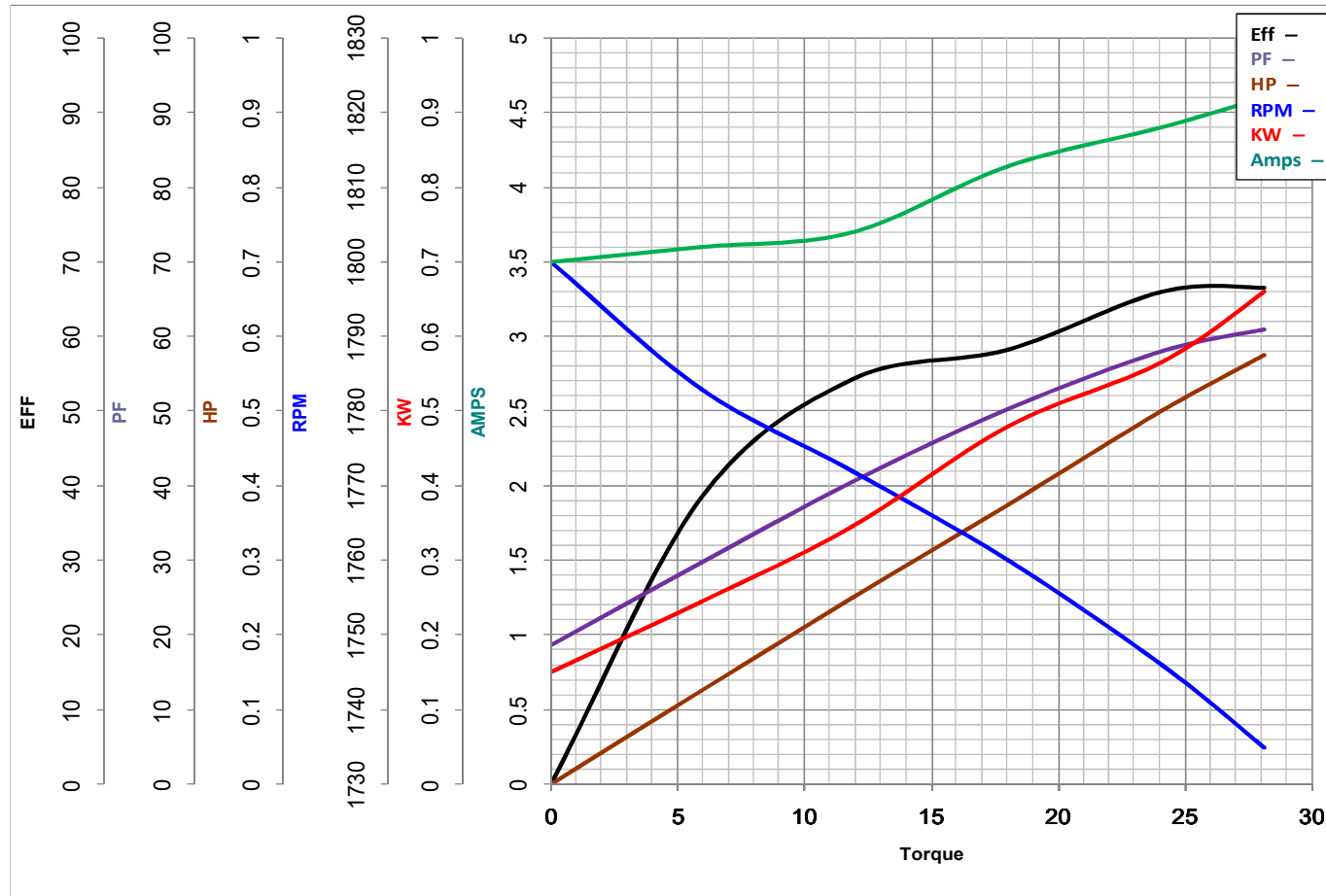
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** Subject to change without notice.



REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 230 Volts HP 0.5&0.34 PHASE 1
 Model No 56C17F5321 60 HZ
0.5 HP VOLTS 115/208-230&110/220
 Catalog No G571 HZ 60&50 RPM 1725&1425



				Torque in Oz.Ft	
FL TORQUE	<u>24.1</u>	Oz.Ft	FL AMPS	<u>8.8/4.2-4.4</u>	
BD TORQUE	<u>72.3</u>	Oz.Ft	PU TORQUE	<u>61.2</u>	Oz.Ft
LR TORQUE	<u>83.8</u>	Oz.Ft	LR AMPS	<u>21.3</u>	
WINDING	ZC404-3		Date	1/11/2019	

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056C17F5321

(Model No. may contain prefix and/or suffix characters)

Catalog No : G571

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

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