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TECHNOLOGY GROUP

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along with credit for buybacks and trade-ins.

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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PRODUCT INFORMATION PACKET

Model No: 056C17G5316
Catalog No: G654
Explosion Proof Motor, 0.50 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56 Frame, EPFC



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Nameplate Specifications

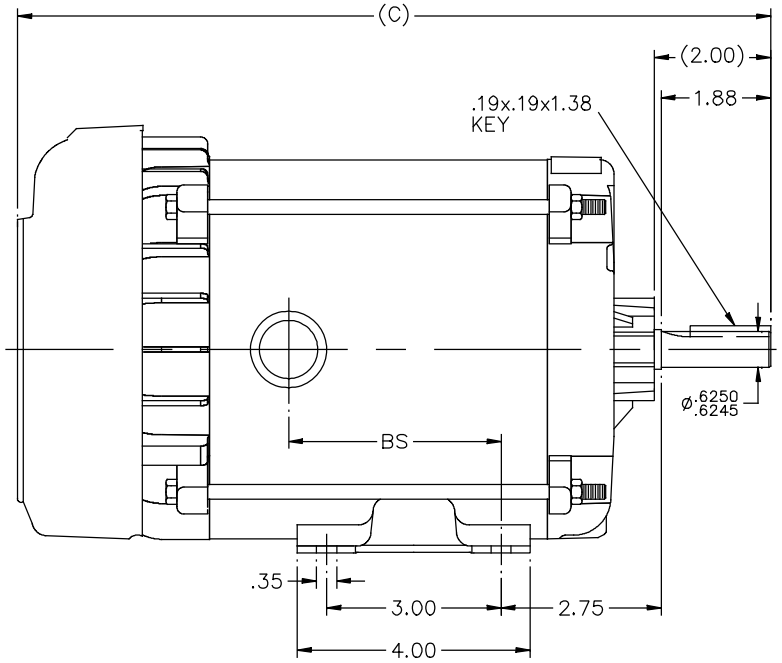
Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	8.8/4.2-4.4 A	Speed	1725 rpm
Service Factor	1	Phase	1
Efficiency	66 %	Power Factor	58
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	L
Frame	56	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B	Number of Speeds	1

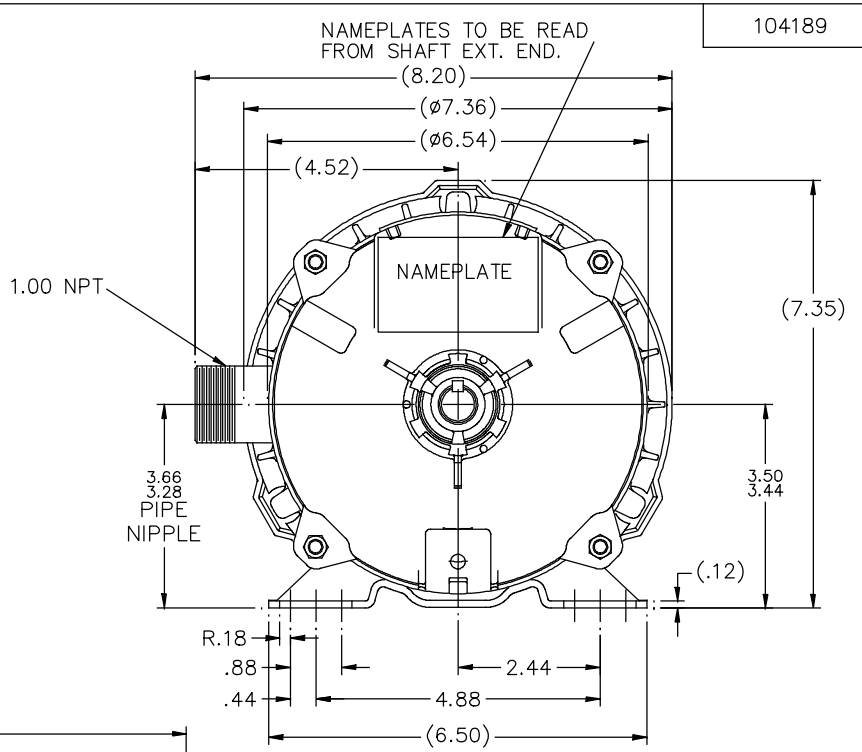
Technical Specifications

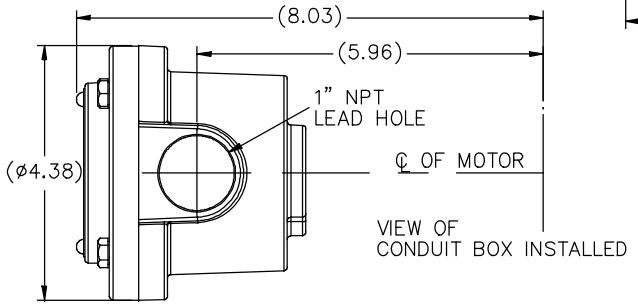
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	3.7 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.94 in
Frame Length	6.81 in	Shaft Diameter	0.625 in
Shaft Extension	2 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-104189-681	Connection Drawing	102005-84

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104189







DASH	(C)	BS			
631	13.44	4.15			
681	13.94	4.65			
731	14.44	5.15			
781	14.94	5.65			
831	15.44	6.15			
881	15.94	6.65			
931	16.44	7.15			
981	16.94	7.65			

NO.	REVISION	BY & DATE	CHK
4	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD 10/15/13	ST
3	REVISED C'BOX PER CN40784A	JJB 02/23/2007	ML
2	ADDED CONDUIT BOX VIEW CN 26686	MRB 03-22-1998	
1	NEW DRAWING CN 23099	MH 12-02-1996	

TOLERANCES UNLESS SPECIFIED: DEC. .X ±.1; .XX ±.03; .XXX ±.005; .XXXX ±.0005; ANG ±7'30"

Regal Beloit America, Inc.

DRAWN MH 11-20-1996
CHK ML 12-02-1996
APPD GK 12-02-1996
SCALE 1=2
REF
FMF
PREV

TITLE OUTLINE
56 FR. – EXP. PR. – TEFC – 1Ø & 3Ø
MAT'L.
FINISH
CAD FILE 104189
RFP
DIST WP

SIZE B | DRAWING NO. 104189 | PAGE OF | REV. 4

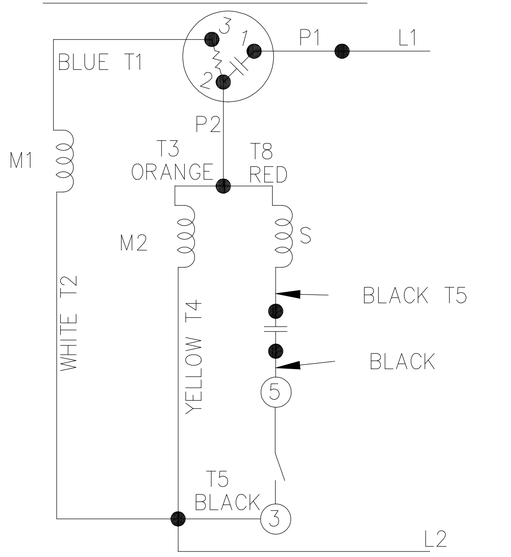
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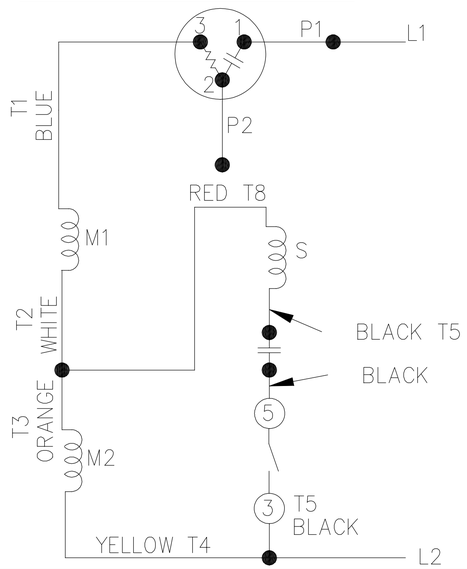
102005-84

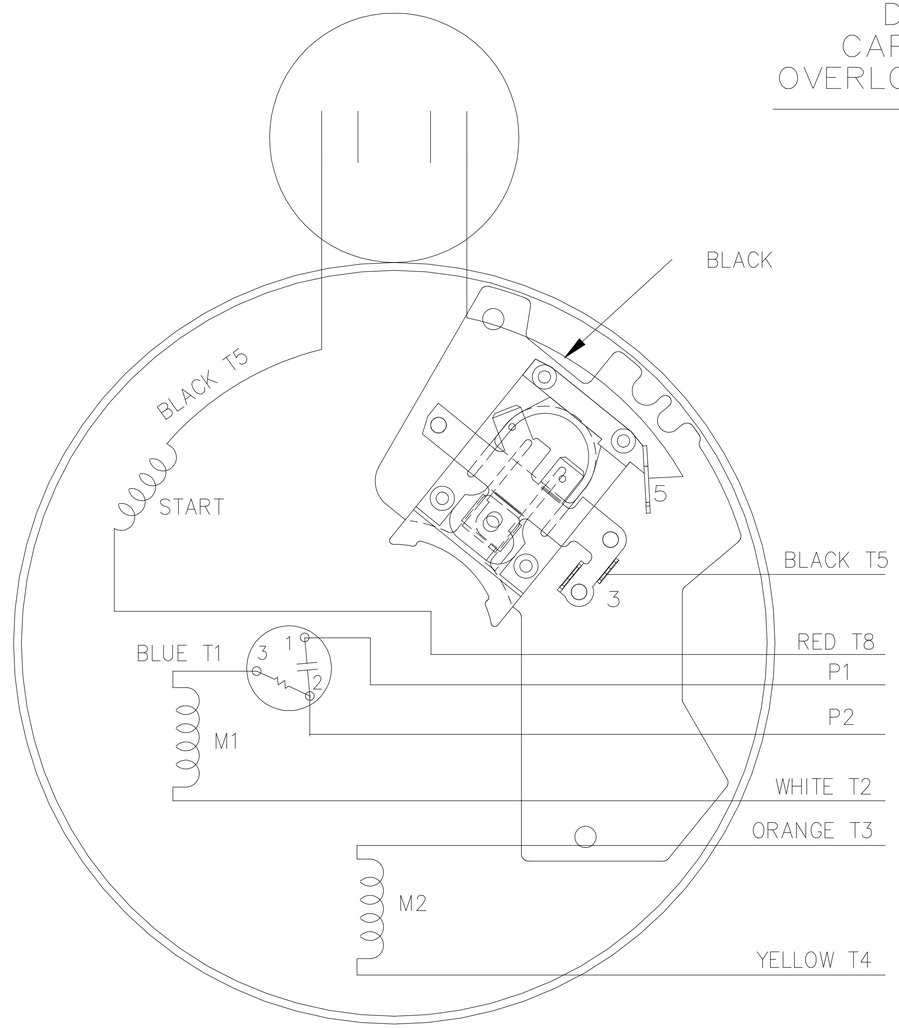
DUAL VOLTAGE CAPACITOR START OVERLOAD SELECT ROT.

LOW VOLTAGE – C.C.W.

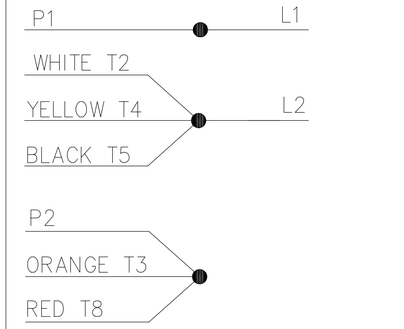


HIGH VOLTAGE – C.C.W.

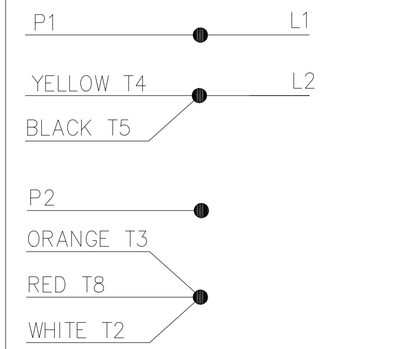




LOW VOLT. – C.C.W. ROT.



HIGH VOLT. – C.C.W. ROT.



FOR C.W. ROTATION
EITHER VOLTAGE
INTERCHANGE RED(T8)
WITH BLACK(T5) LEAD

NO.	REVISION	BY & DATE	CHK
5	UPDATED TEMPLETE	MVG 12/11/2017	PVR
4	REV'D CONNECTION TO MATCH ROTATION ISAAC 07-2021	JJB 09/05/2007	ML
3	ADDED T NO.'S MU16064	MH 08-09-1997	
2	REDRAWN ON CADD, NO CHANGES	PGK 07-18-1996	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

REGAL™ Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 102005_84

RFP

DIST WP

DRAWN	PGK 07-16-1996
CHK	MRB 07-18-1996
APPD	GK 07-18-1996
SCALE	5=8
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	102005-84	5

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CERTIFICATION DATA SHEET

Model#:	56C17G5316 K	**WINDING#:**	ZC4211 NONE 3
CONN. DIAGRAM:	102005-84	**ASSEMBLY:**	F1 ONLY
OUTLINE:	B-104189-681		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1800	1725	56	EPFC	L	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	8.8/4.2-4.4	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 66	3/4 LOAD EFF: 62.5	1/2 LOAD EFF: 54.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 58	3/4 LOAD PF: 49.5	1/2 LOAD PF: 40.5	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 348	72.3 LB-FT 300	55

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

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	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	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

*
NOTES
*

DATE: 06/27/2017 07:18:00 AM
FORM 3531 REV.3 02/07/99
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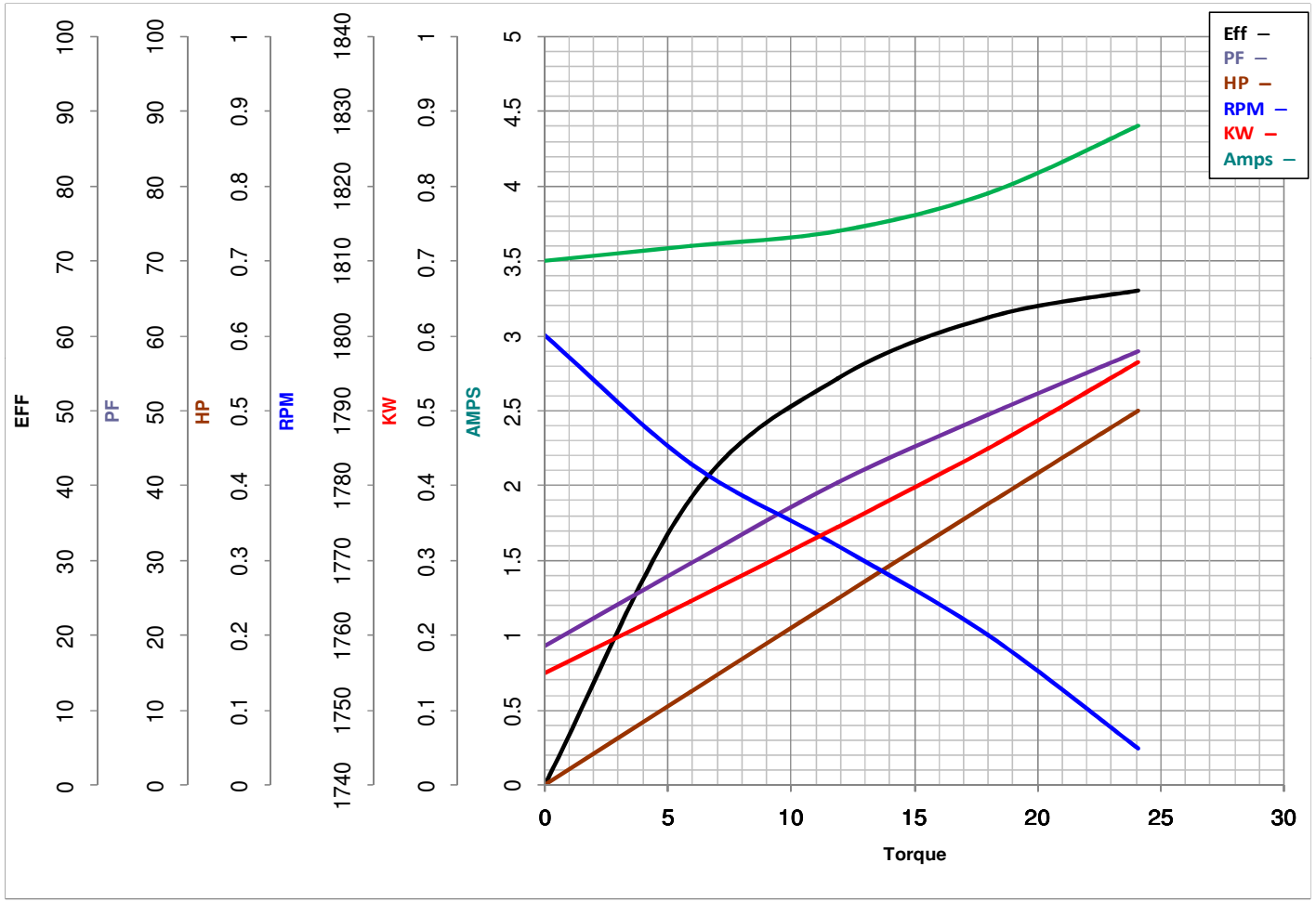
MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 230 **Volts** **HP** 0.50 **PHASE** 1
60 **HZ**
Model No 56C17G5316 0.5 **HP** **VOLTS** 115/208-230

Catalog No G654 **HZ** 60 **RPM** 1725



Torque in Oz.Ft

FL TORQUE	24.1 **Oz.Ft**		**FL AMPS**	8.8/4.2-4.4	
BD TORQUE	72.3 **Oz.Ft**		**PU TORQUE**	61.2	**Oz.Ft**
LR TORQUE	83.8 **Oz.Ft**		**LR AMPS**	21.3	
WINDING	ZC4211-3			**Date**	**1/30/2019**

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