





**Nameplate Specifications**

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	230/460 V
Current	1.7/0.85 A	Speed	1725 rpm
Service Factor	1.25	Phase	3
Efficiency	78.2 %	Power Factor	69.4
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
Frame	56C	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

**Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 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	11.31 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 OUT ODE BRKT RADIAL		
Connection Drawing	D0000527-001	Outline Drawing	056T17D15910-S01

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D

D

C

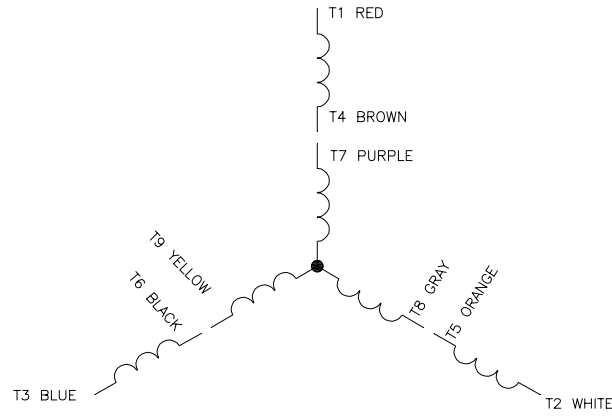
C

B

B

A

A



CONNECT AS FOLLOWS

HIGH VOLTAGE

- T1 - RED - LINE A
- T2 - WHITE - LINE B
- T3 - BLUE - LINE C
- T4 - BROWN -> TIE TOGETHER
- T7 - PURPLE -> TIE TOGETHER
- T5 - ORANGE -> TIE TOGETHER
- T8 - GRAY -> TIE TOGETHER
- T6 - BLACK -> TIE TOGETHER
- T9 - YELLOW -> TIE TOGETHER

LOW VOLTAGE

- T1 - RED -> LINE A
- T7 - PURPLE -> LINE A
- T2 - WHITE -> LINE B
- T8 - GRAY -> LINE B
- T3 - BLUE -> LINE C
- T9 - YELLOW -> LINE C
- T5 - ORANGE -> TIE TOGETHER
- T6 - BLACK -> TIE TOGETHER
- T4 - BROWN -> TIE TOGETHER

NOTES:

1. LEADS MAY BE MULTICOLORED AS SHOWN FOR GROUP -01 OR SINGLE COLOR FOR GROUP -02. IN EITHER CASE THE NUMBERING SEQUENCE WILL BE THE SAME.

CCW ROTATION; TO REVERSE ROTATION FOR EITHER VOLTAGE INTERCHANGE ANY TWO LINE LEADS

DRAWING REVISION A	REVISION BY R. RASCON	DATE 06-12-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED DIM. INCH DIM. ANGLE	DRAWN BY: R. RASCON	Regal Beloit America, Inc.
ECC 0053303	APPROVED BY	DATE	.X ±0.1 (±2.5) ±0.5° .XX ±0.02 (±0.51) .XXX ±0.005 (±0.127) .XXXX ±0.0005 (±0.0127)	DATE: 06-12-2014	
TEST DESCRIPTION NEW MODEL RELEASE			REMOVE BURRS & BREAK SHARP EDGES .003/.015 (.076/.381) CORNER FILLETS .02 (.51)	APPROVED BY:	DESCRIPTION CONN DIAGRAM-EXTERNAL
<small>                 COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.                  PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. COMPANY AND COMPANY OFFICERS HEREBY DISCLAIM ANY INFORMATION OR RECOMMENDATION OF OTHER PARTS, SERVICES OR PRODUCTS. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE BY REGAL BELOIT AMERICA, INC. FOR THE USE OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THIS DRAWING. REGAL BELOIT AMERICA, INC. SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS DRAWING. REGAL BELOIT AMERICA, INC. SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS DRAWING.             </small>			MACHINED SURFACES: .001/.015 (0.025/.381) mm UNMACHINED SURFACES: .005/.015 (0.127/.381) mm DIM. SHOWN IN PARENTHESES: INCH/mm	DATE:	PROCESS/FINISH
REFERENCE: THIRD ANGLE PROJECTION			SIZE DWG NO: C D0000527-001	SHEET: 1	

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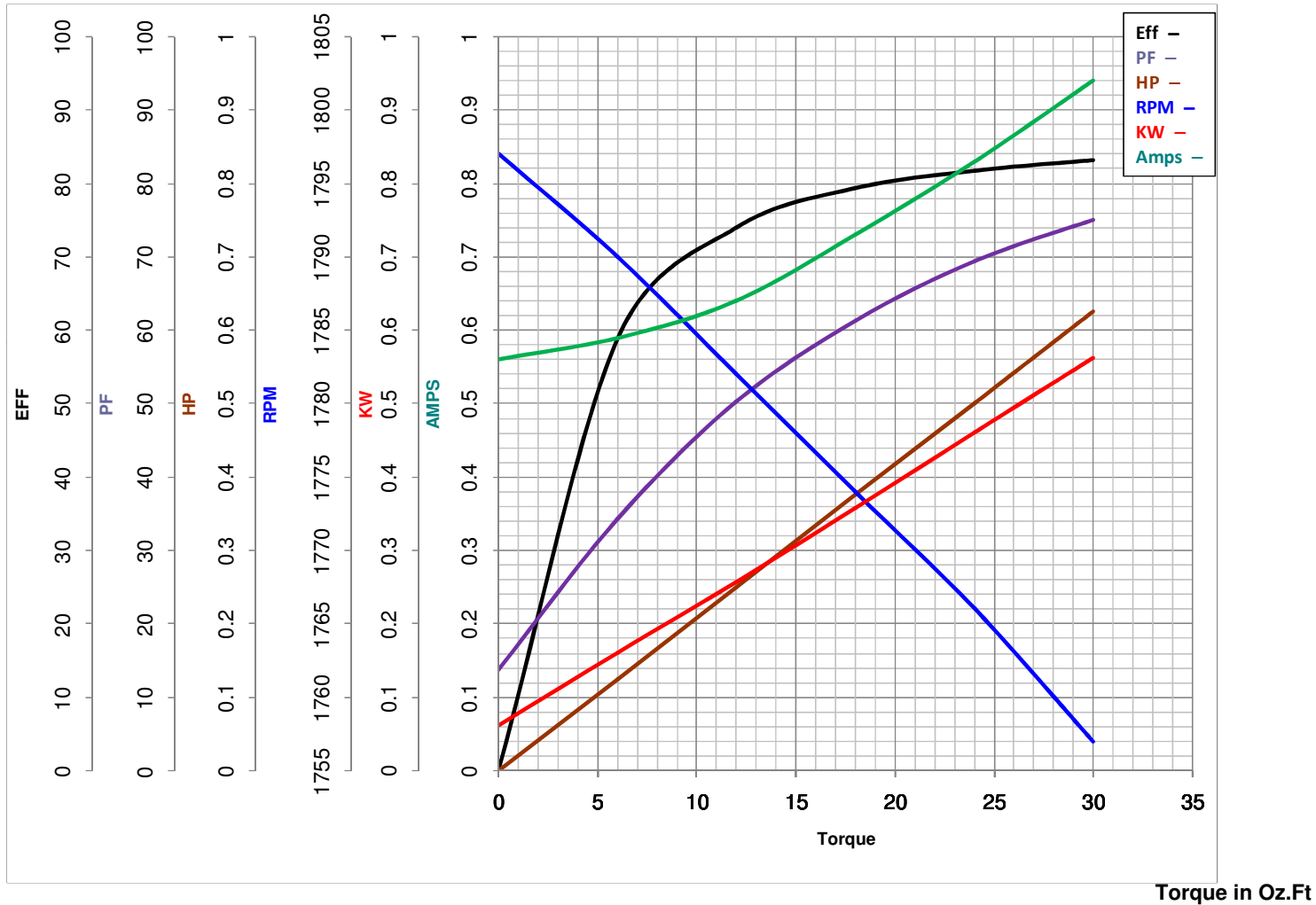
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**MARATHON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer \_\_\_\_\_ Curve at 460 Volts HP 0.5&0.34 PHASE 3  
 Model No 56T17D15910 60 HZ  
0.5 HP VOLTS 230/460&190/380  
 Catalog No K1307A HZ 60&50 RPM 1725&1425



FL TORQUE	<u>24</u> Oz.Ft	FL AMPS	<u>1.7/0.85</u>
BD TORQUE	<u>123.1</u> Oz.Ft	PU TORQUE	<u>79.1</u> Oz.Ft
LR TORQUE	<u>87.94</u> Oz.Ft	LR AMPS	<u>7.06</u>
WINDING	SS-0053303-	Date	3/7/2019