

# PRODUCT INFORMATION PACKET

Model No: E100210.00

Catalog No: E100210.00

General Purpose Motor, 0.33 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, S56 Frame, DP



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### Nameplate Specifications

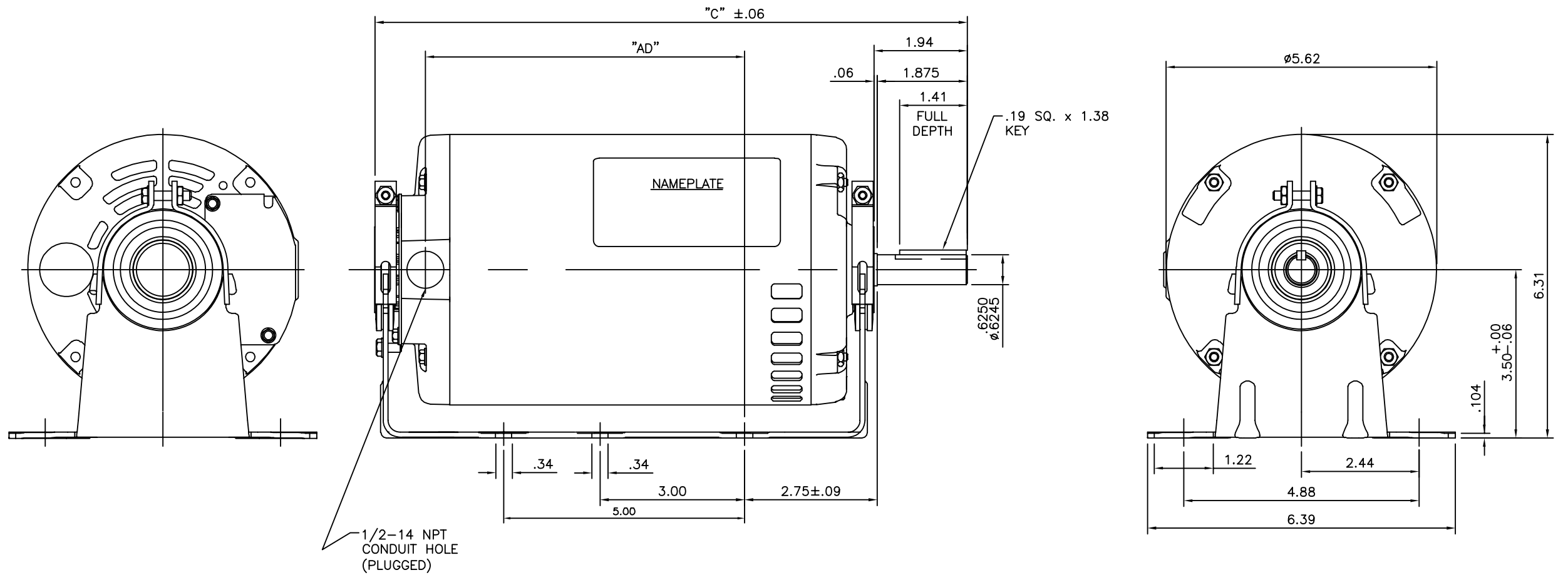
Output HP	<b>0.33 Hp</b>	Output KW	<b>0.25 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>1.2/0.60 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.35</b>	Phase	<b>3</b>
Efficiency	<b>73.4 %</b>	Power Factor	<b>70.6</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>M</b>
Frame	<b>S56</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</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>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>20.8 Ohms</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>12.31 in</b>
Frame Length	<b>7.50 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 2:1</b>		
Outline Drawing	<b>SS404145-750</b>	Connection Drawing	<b>EE7308-REGAL</b>

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SS404145



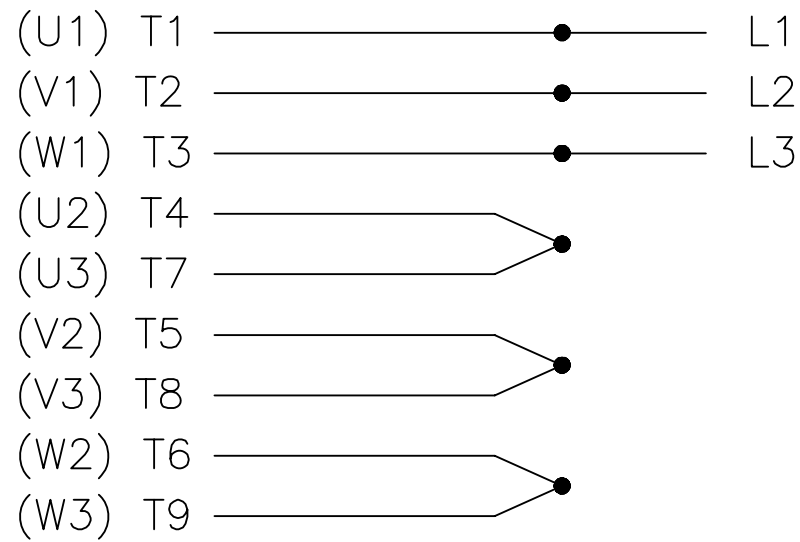
DASH NO.	"C"	"AD"
750	12.31	6.62

		TOLERANCES UNLESS SPECIFIED		<b>REGAL</b> ™ Regal Beloit America, Inc.		DRAWN PVR 01/13/15	
DEC.	INCHES	.X	±.1			CHK SM 01/13/15	
		.XX	±.03	TITLE		SCALE 1=2	
		.XXX	±.005	OUTLINE - S56 FRAME		REF 031624	
		.XXXX	±.0005	RESILIENT MOUNT - DRIP PROOF		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE	SS404145	SIZE B
				DIST	DRAWING NO.	SS404145	REV.

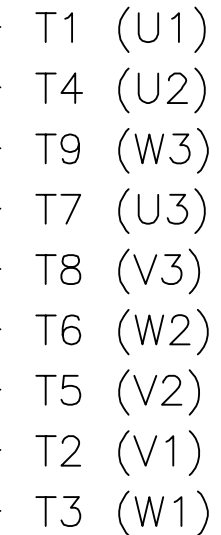
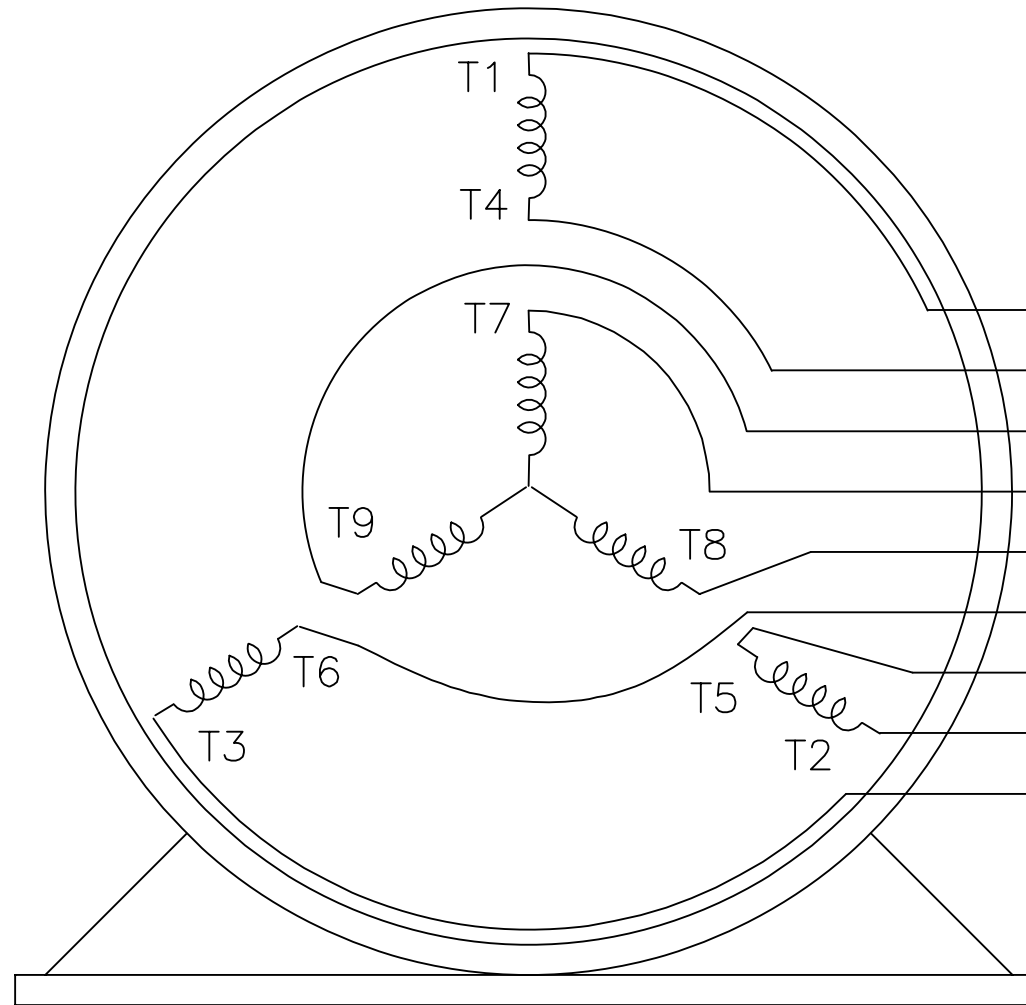
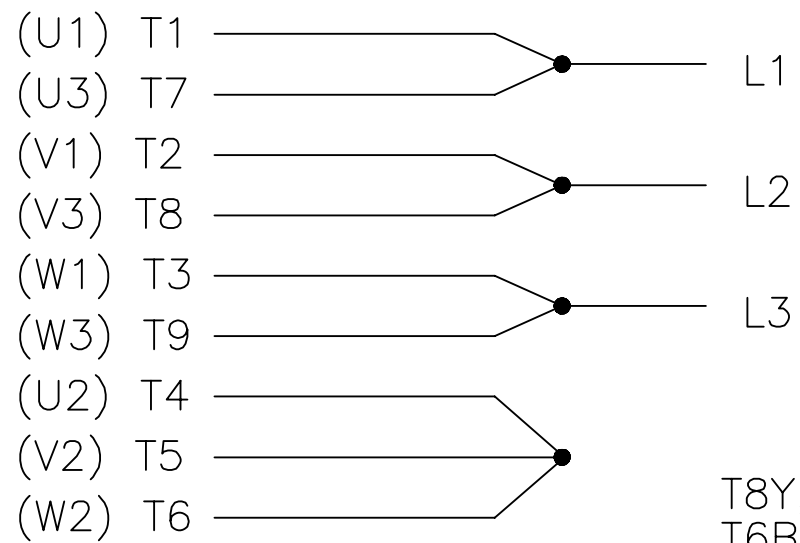
THREE PHASE  
DUAL VOLTAGE MOTOR

EE7308-REGAL

HIGH VOLTAGE



LOW VOLTAGE




VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION



				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN	JAH 12/02/14	
				DEC.	INCHES		CHK	VS 12/02/14	
				.X	±.1		APPD		
				.XX	±.02	TITLE	CONNECTION DIAGRAM		
				.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR		
1	CREATED NEW DRAWING	JAH 12/02/14	VS	.XXXX	±.0005	MAT'L.	SCALE	1=1	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	REF		
				RFP		CAD FILE	EE7308-REGAL	SIZE	DRAWING NO. PAGE OF REV.
				DIST	WP			A	EE7308-REGAL 1

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**CERTIFICATION DATA SHEET**

**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

CATALOG #: E100210.00

CONN. DIAGRAM: A-EE7308-REGAL

OUTLINE: B-SS404145-750

MOUNTING: F1 ONLY

WINDING #: TE484125 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3&1/4	0.25&0.19	1800	1725&1425	S56	DP	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	1.2/.6&1.4/.7	LINE OR INVERTER	CONTINUOUS	B3	1.35/1.0	40

FULL LOAD EFF:	73.4	3/4 LOAD EFF:	69.4	1/2 LOAD EFF:	62.4	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	70.6	3/4 LOAD PF:	62.5	1/2 LOAD PF:	52.3	-		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16.1 OZ-FT	8.9 / 4.5	70.7 OZ-FT 439 %	77.6 OZ-FT 482 %	25

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

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	MULTEMP SRL	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

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<b>INVERTER TORQUE:</b> CONSTANT 2:1
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/18/2018

E100210.00



Data @ 460 V

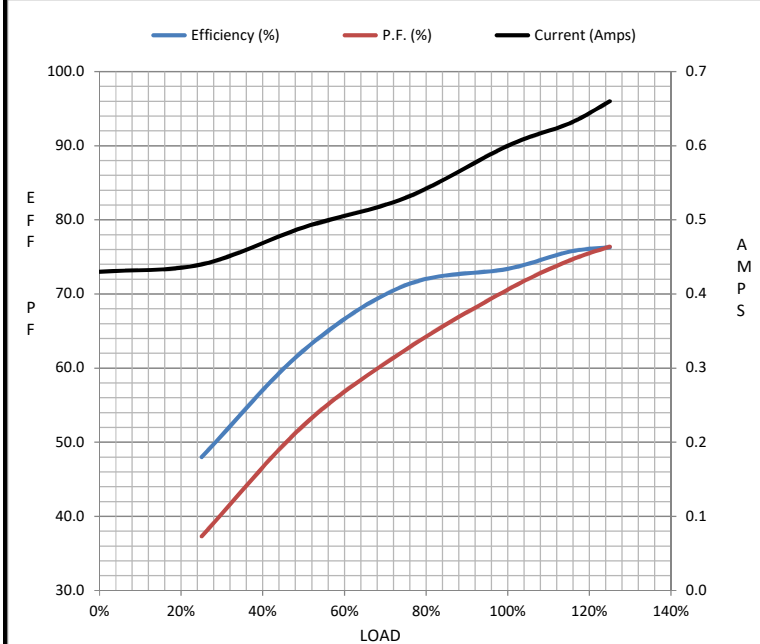
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.43	0.44	0.49	0.53	0.60	0.63	0.66	4.5
Torque (ft-lb)	0.00	64.8	130	196	261	300	326	1,146
RPM	1800	1780	1770	1760	1745	1,735	1730	0
Efficiency (%)		48.0	62.4	71.2	73.4	75.7	76.3	
P.F. (%)	20.4	37.3	52.3	62.5	70.6	74.5	76.4	0.0

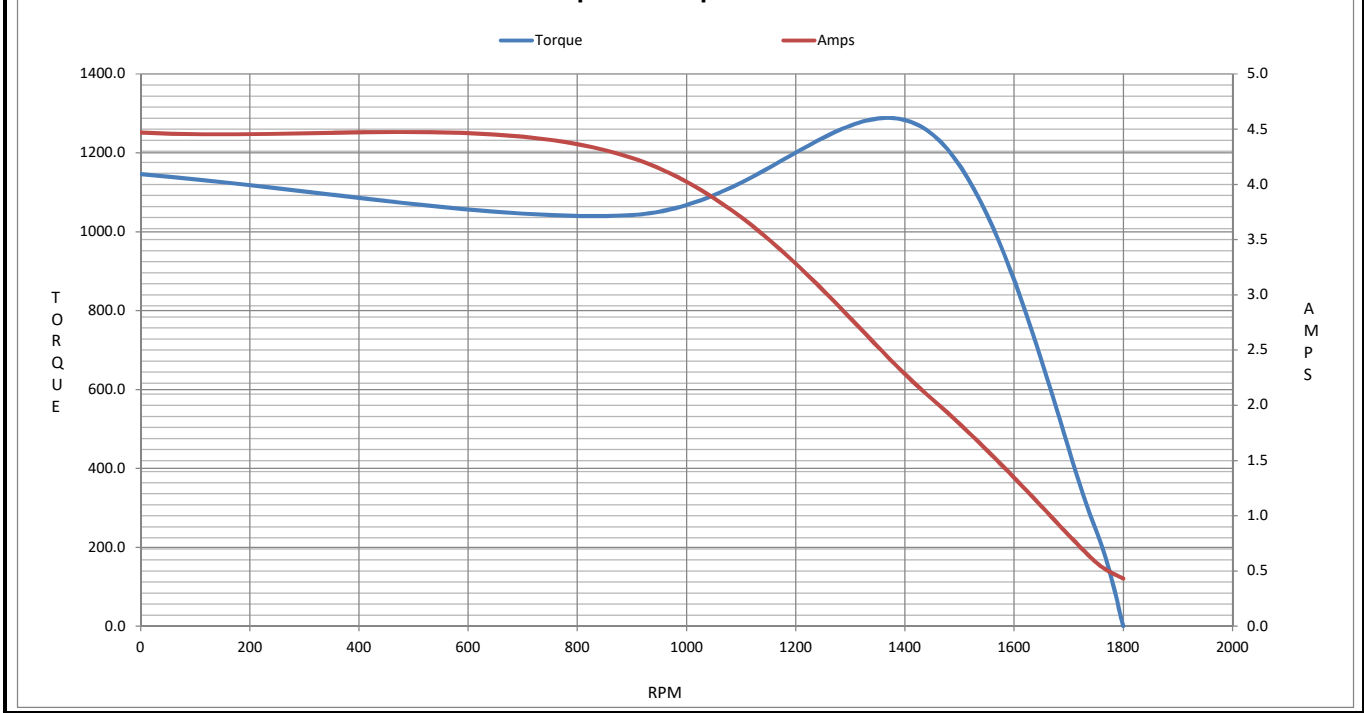
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1440	1745	1800
Current (Amps)	4.5	4.2	2.10	0.60	0.43
Torque (ft-lb)	1,146	1,042	1,258	261	0.00

Information Block				
HP	0.3			
Sync. RPM	1800			
Frame	48			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	25 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	TE484125 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS404145-750			
Conn. Diag	A-EE7308-REGAL			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
Market Overton  
Oakham, Rutland LE15 7PP UK

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 : E100210.00

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

Catalog No : E100210.00

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:



Michael A. Logsdon  
Vice President, Technology

Authorized Representative in the Community:



Julian Clark  
Marketing Engineer

Created on 09/01/2022

**CE 22**