

# PRODUCT INFORMATION PACKET



Model No: 121911.00

Catalog No: 121911.00

Extreme Duck® Ultra General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
1800 & 1500 RPM, 145TC Frame, TEFC

**Operational at 208-230/460 V @60HZ**



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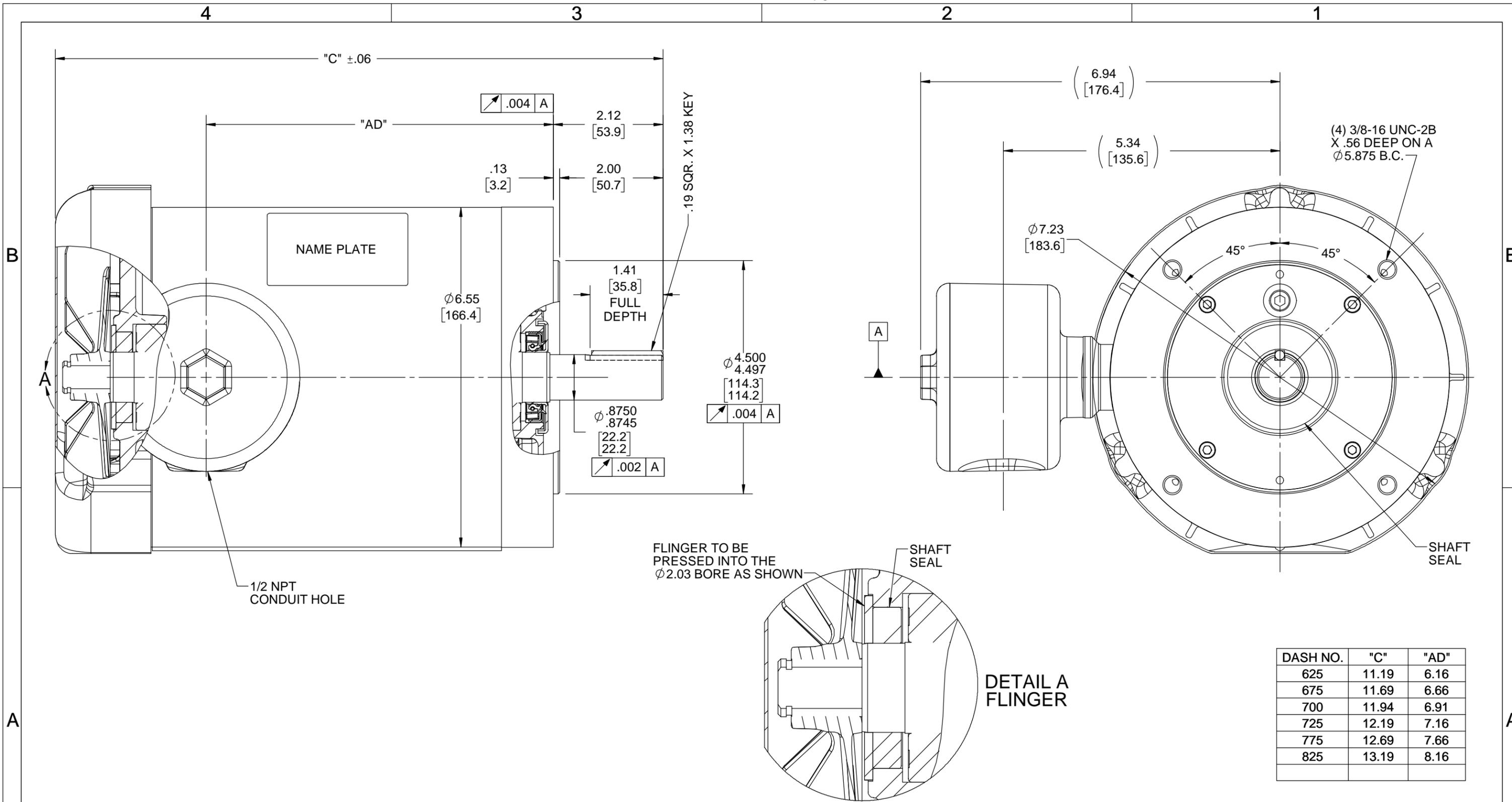


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>2 &amp; 1.50 Hp</b>
Output KW	<b>1.5 &amp; 1.1 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1745 &amp; 1435 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>145TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>86.5 &amp; 86.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>5.8/2.9 &amp; 6.8/3.4 A</b>	Power Factor	<b>75.6</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>L</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>69</b>
Number of Speeds	<b>1</b>		

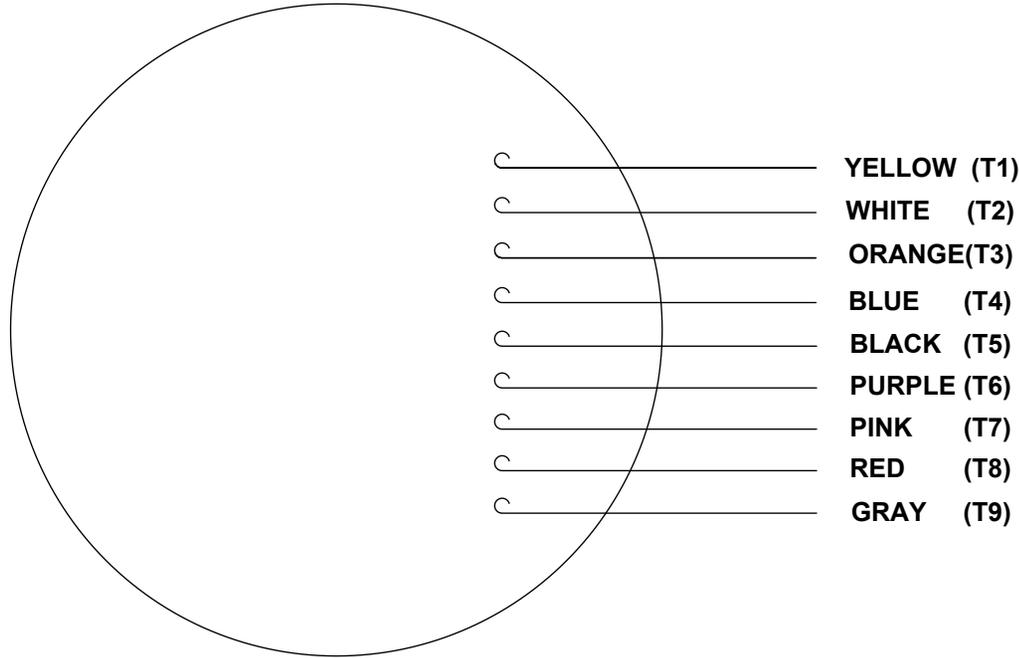
### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>6 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Stainless Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>13.19 in</b>
Frame Length	<b>8.25 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.25 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>005010.52</b>	Outline Drawing	<b>607-0400-825</b>

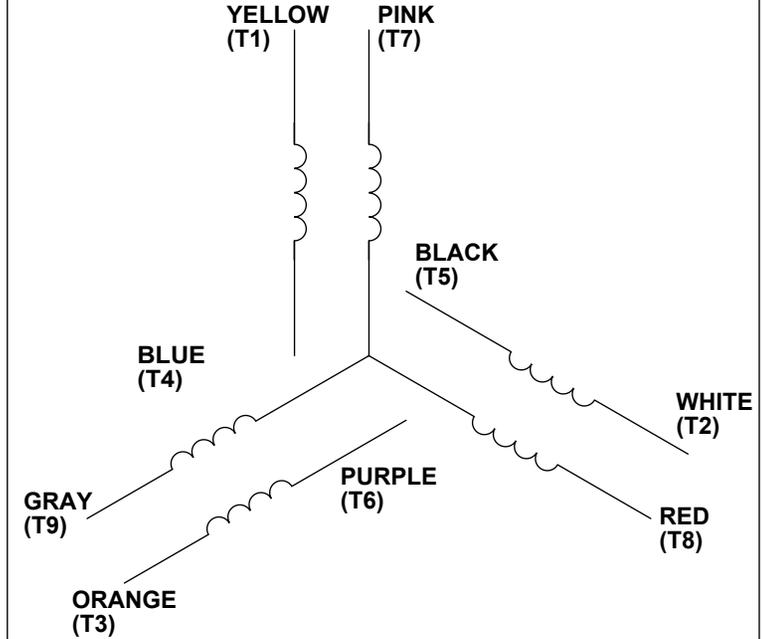


DRAWING REVISION B	REVISION BY KHADHAR	REV DATE/© DATE 05/21/2020	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±.3] ±0.5° .XX ±0.03 [±.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2/ INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY LST	<b>REGAL</b> ® Regal Beloit America, Inc.
ECO ECO-0186855	APPROVED BY AS	DATE 05/21/2020		DATE 1/9/20	
ECO DESCRIPTION ADDED NAMEPLATE				APPROVED BY	DESCRIPTION <b>OUTLINE</b> 140C FRAME - TEFC - "C" FACE
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				THIRD ANGLE PROJECTION	SIZE B
					DRAWING NUMBER <b>607-0400</b>
					SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



## LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

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DRAWING REVISION <b>C</b>	REVISION BY <b>PVR</b>	DATE <b>04/23/14</b>
ECO <b>ECO-0049985</b>	APPROVED BY <b>JD</b>	DATE <b>04/23/14</b>
ECO DESCRIPTION <b>UPDATED PER ECO-0049985</b>		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	+0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.076/.381]			
CORNER FILLETS: .02 [.51]			
MACHINED SURFACES: 125/3.2			
INCH <input checked="" type="checkbox"/> mm <input checked="" type="checkbox"/>			
mm SHOWN IN [BRACKETS]			

DRAWN BY <b>LST</b>
DATE <b>4/3/14</b>
APPROVED BY
DATE
PROCESS/FINISH
THIRD ANGLE PROJECTION

<b>Regal Beloit America, Inc.</b>	
DESCRIPTION <b>LEAD ASSY EXT. WIRING DIA. 3 PH. W/O PROT.</b>	
MATERIAL	
SIZE <b>A</b>	DRAWING NUMBER <b>00501052</b>
SHEET <b>1 OF 1</b>	

Data Sheet

Date: 1/29/2018

121911.00



Data @ **460 V**

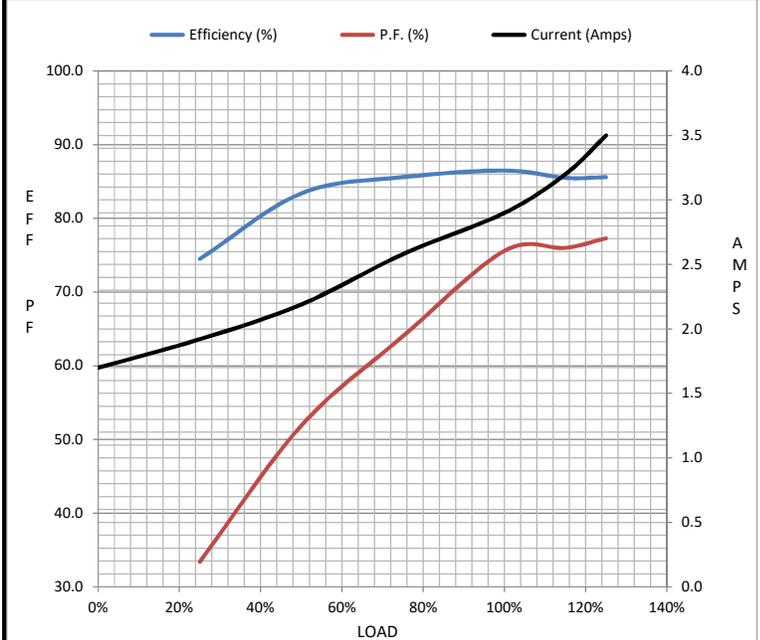
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8
RPM	1800	1787	1774	1763	1751	1.730	1732	0
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6	
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0

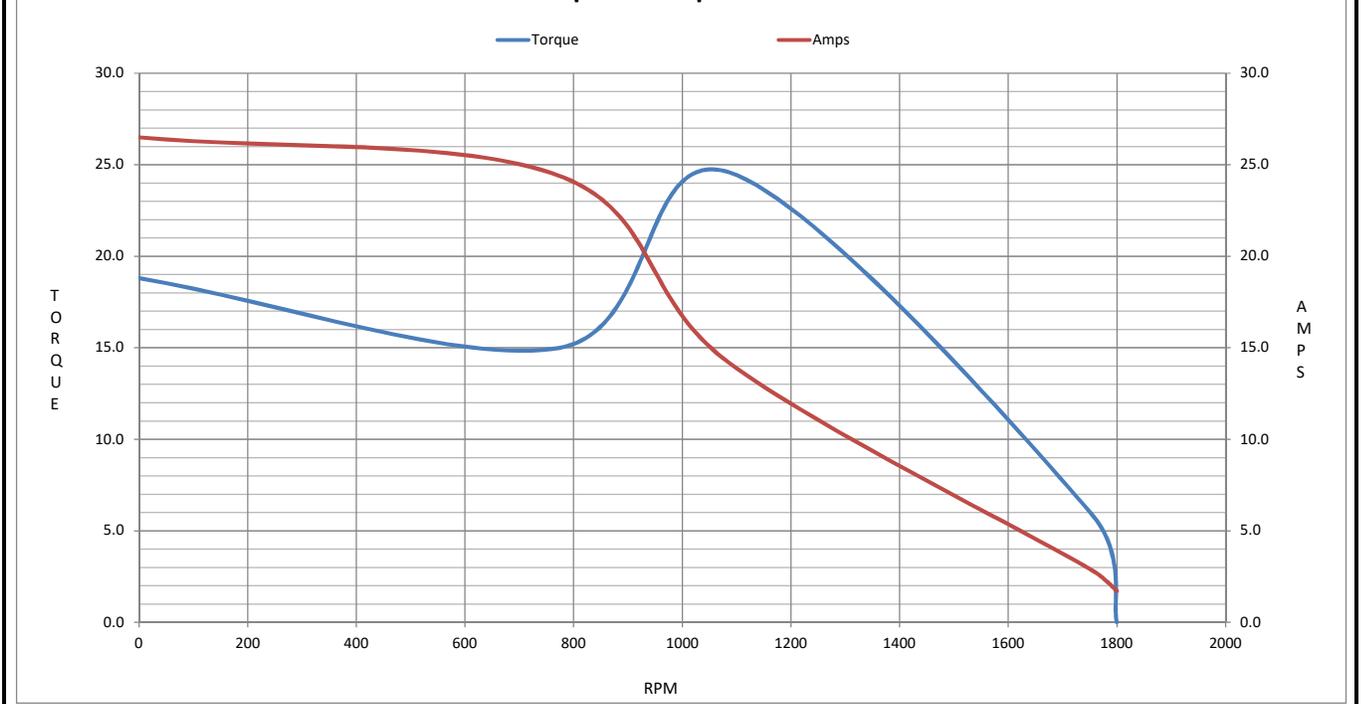
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	775	1085	1751	1800
Current (Amps)	26.5	24.4	14.2	2.90	1.70
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00

Information Block				
HP	2.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	53 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.16 Lb-Ft <sup>2</sup>			
Ref Wdg	T634340 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	607-0176-825			
Conn. Diag	005010.52			
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  
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 : 121911.00

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

Catalog No : 121911.00

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:



Zach Stauffer  
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi  
Technology Director, Engineering

Created on 07/08/2025

**CE 25**