

PRODUCT INFORMATION PACKET



Model No: 117127.00

Catalog No: 117127.00

Extreme Duck® Ultra General Purpose Motor, 0.50 & 0.33 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 56C Frame, TENV

Operational at 208-230/460 V @60HZ



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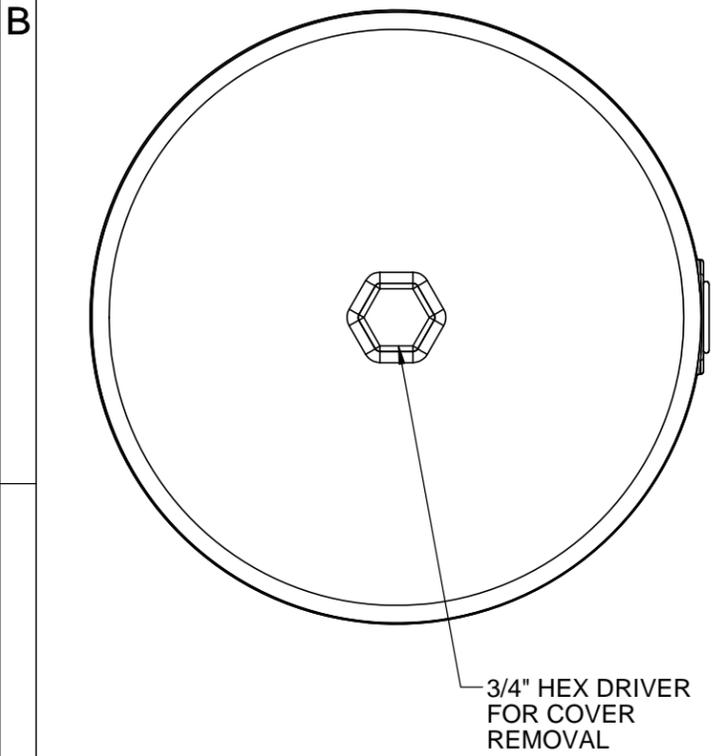


Nameplate Specifications

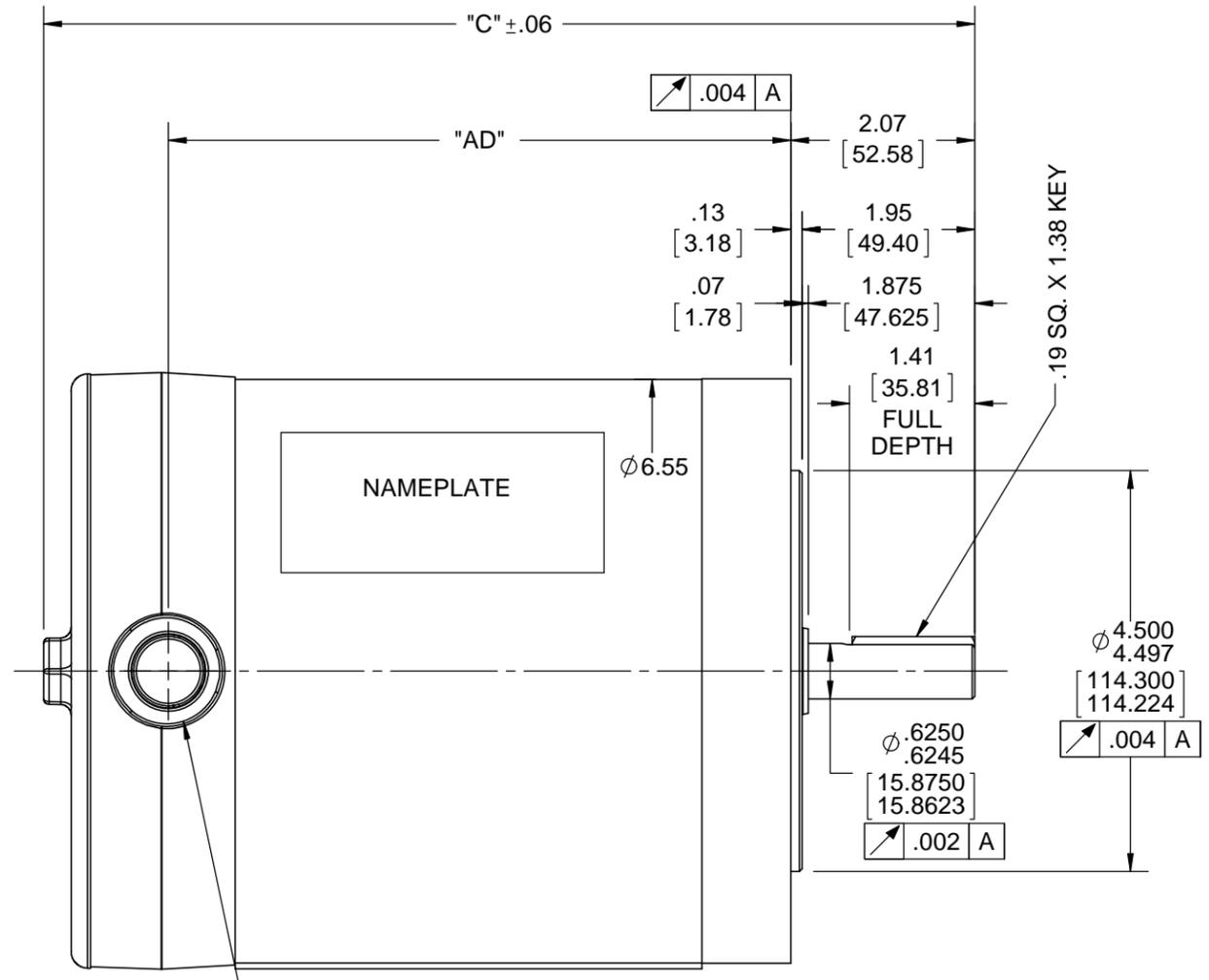
Phase	3	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	78.5 & 80 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.6/.8 & 1.4/.7 A	Power Factor	73.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	69
Number of Speeds	1		

Technical Specifications

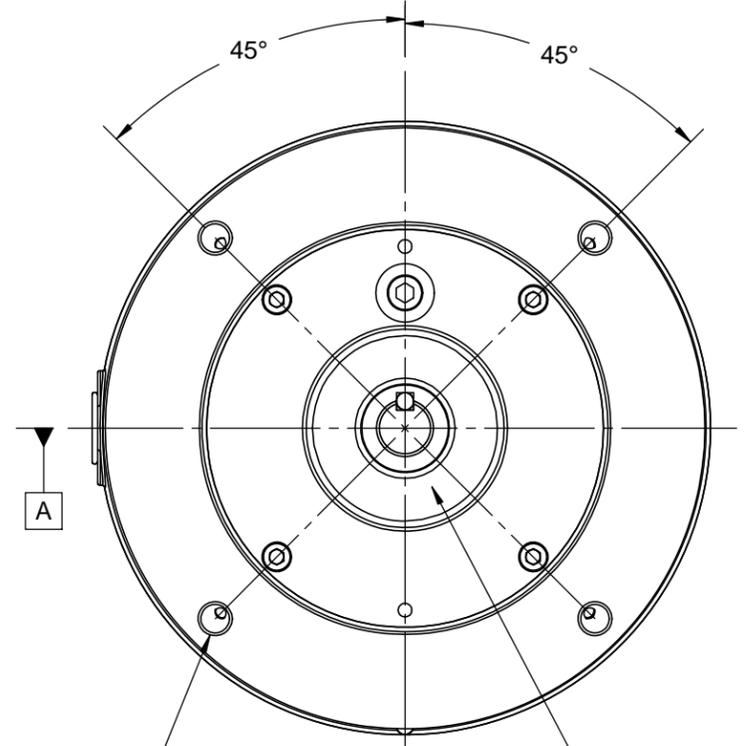
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	8.17 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.97 in
Frame Length	5.75 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028768-575	Connection Drawing	005010.52



3/4" HEX DRIVER FOR COVER REMOVAL



1/2-14 NPT CONDUIT HOLE



SHAFT SEAL

DASH NO.	"C"	"AD"
525	10.47	7.00
550	10.72	7.25
575	10.97	7.50
600	11.22	7.75
625	11.47	8.00
650	11.72	8.25
675	11.97	8.50
700	12.22	8.75
800	13.22	9.75

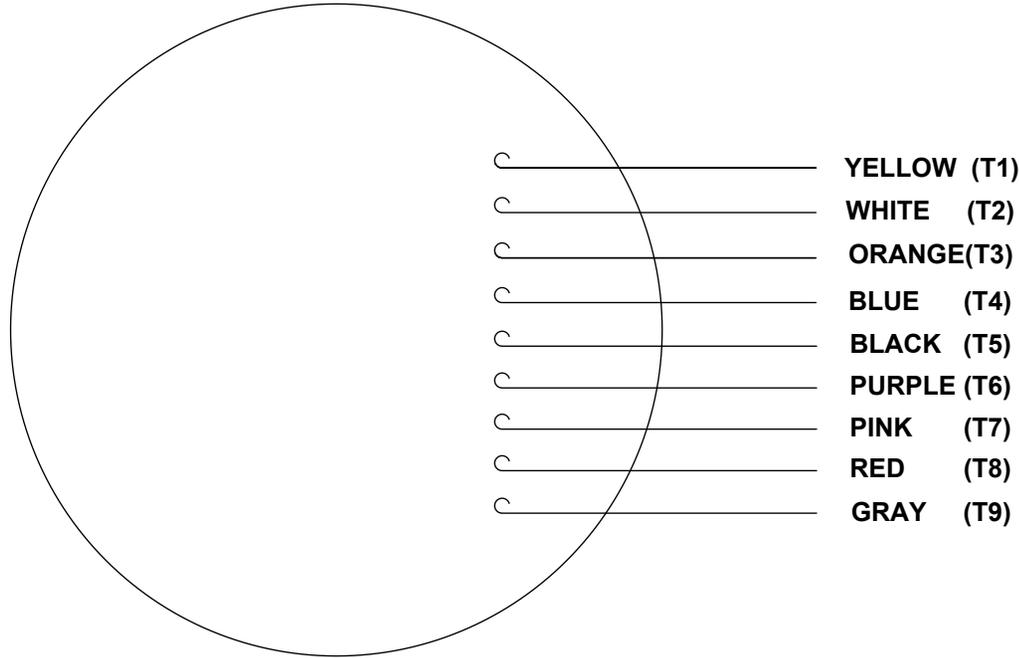
DRAWING REVISION C	REVISION BY AS	DATE 06/01/2017
ECO ECO-0119080	APPROVED BY JD	DATE 06/01/2017
ECO DESCRIPTION ADDED ITEM #800		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]			

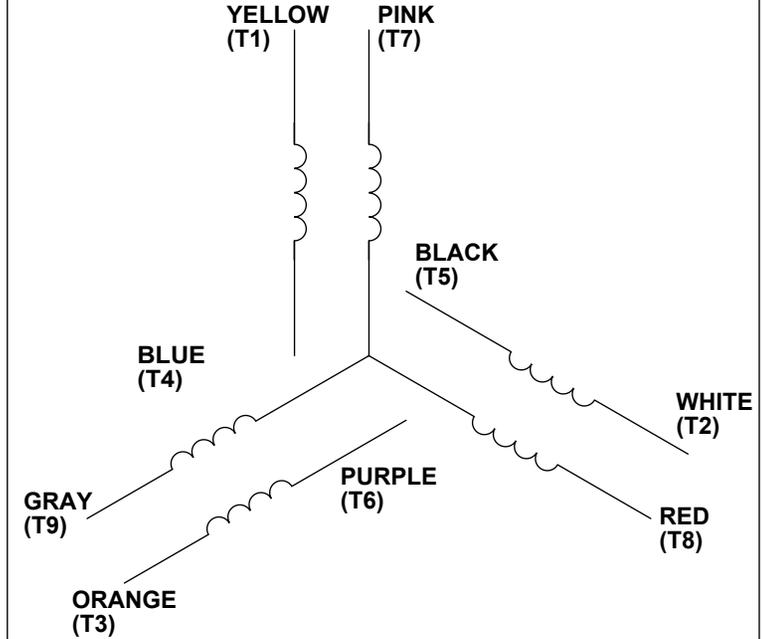
DRAWN BY LST 9/4/09
DATE
APPROVED BY
DATE
REFERENCE
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE TENV "C" FACE	PROCESS/FINISH
MATERIAL	SIZE B
DRAWING NUMBER 028768	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 C	REVISION BY PVR	DATE 04/23/14
ECO ECO-0049985	APPROVED BY JD	DATE 04/23/14
ECO DESCRIPTION UPDATED PER ECO-0049985		
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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 mm			
mm SHOWN IN [BRACKETS]			

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

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



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

CERTIFICATION DATA SHEET

CATALOG #: 117127.00

CONN. DIAGRAM: 005010.52

OUTLINE: 028768-575

MOUNTING: F1 ONLY

WINDING #: T634250 NR 8 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	0.37&0.25	1800	1725&1425	56C	TENV	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	1.7-1.6/.8&1.4/.7	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	78.5&80	3/4 LOAD EFF:	77.2	1/2 LOAD EFF:	72.1	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	73.6&70	3/4 LOAD PF:	66.7	1/2 LOAD PF:	55.7	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	11.2 / 5.6	84.8 OZ-FT 353 %	96 OZ-FT 400 %	69

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.09 LB-FT^2	0.1 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
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6205						

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

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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

Data Sheet

Date: 1/17/2018

117127.00



Data @ 460 V

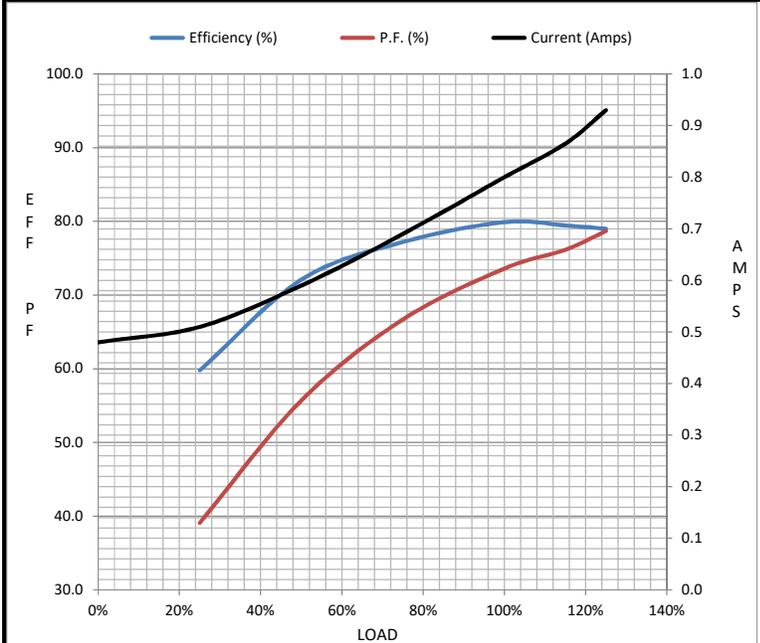
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.48	0.51	0.59	0.69	0.80	0.87	0.93	5.6
Torque (ft-lb)	0.00	95.7	191	287	383	6,875	479	1,353
RPM	1800	1785	1772	1759	1746	1,739	1729	0
Efficiency (%)		59.8	72.1	77.2	79.9	79.5	79.0	
P.F. (%)	16.1	39.1	55.7	66.7	73.6	76.2	78.7	0.0

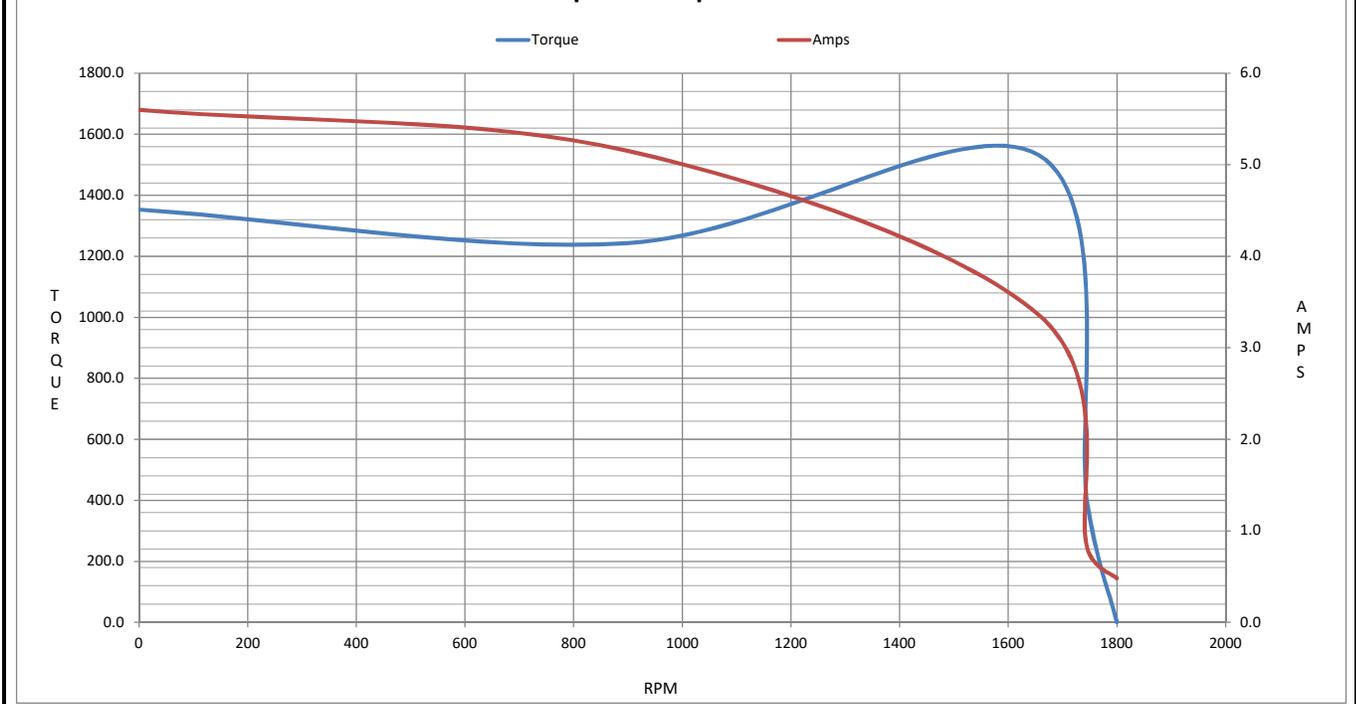
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1746	1800
Current (Amps)	5.6	5.2	3.4	0.80	0.48
Torque (ft-lb)	1,353	1,243	1,532	383	0.00

Information Block				
HP	0.5			
Sync. RPM	1800			
Frame	56			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	69 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.09 Lb-Ft ²			
Ref Wdg	T634250 NR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	028768-575			
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 : 117127.00

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

Catalog No : 117127.00

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