

PRODUCT INFORMATION PACKET



Model No: 122095.00

Catalog No: 122095.00

Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
143JP Frame, DP



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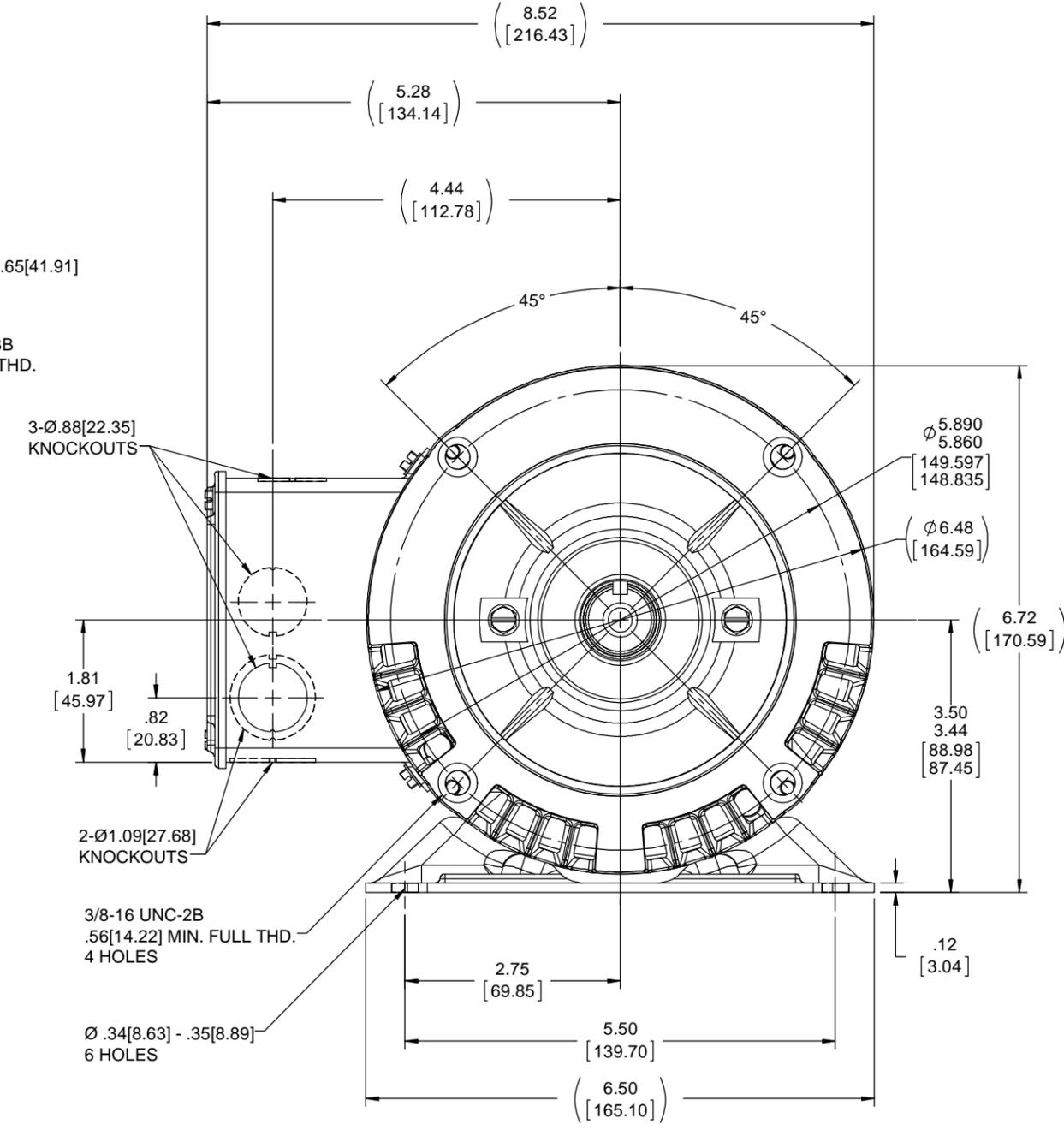
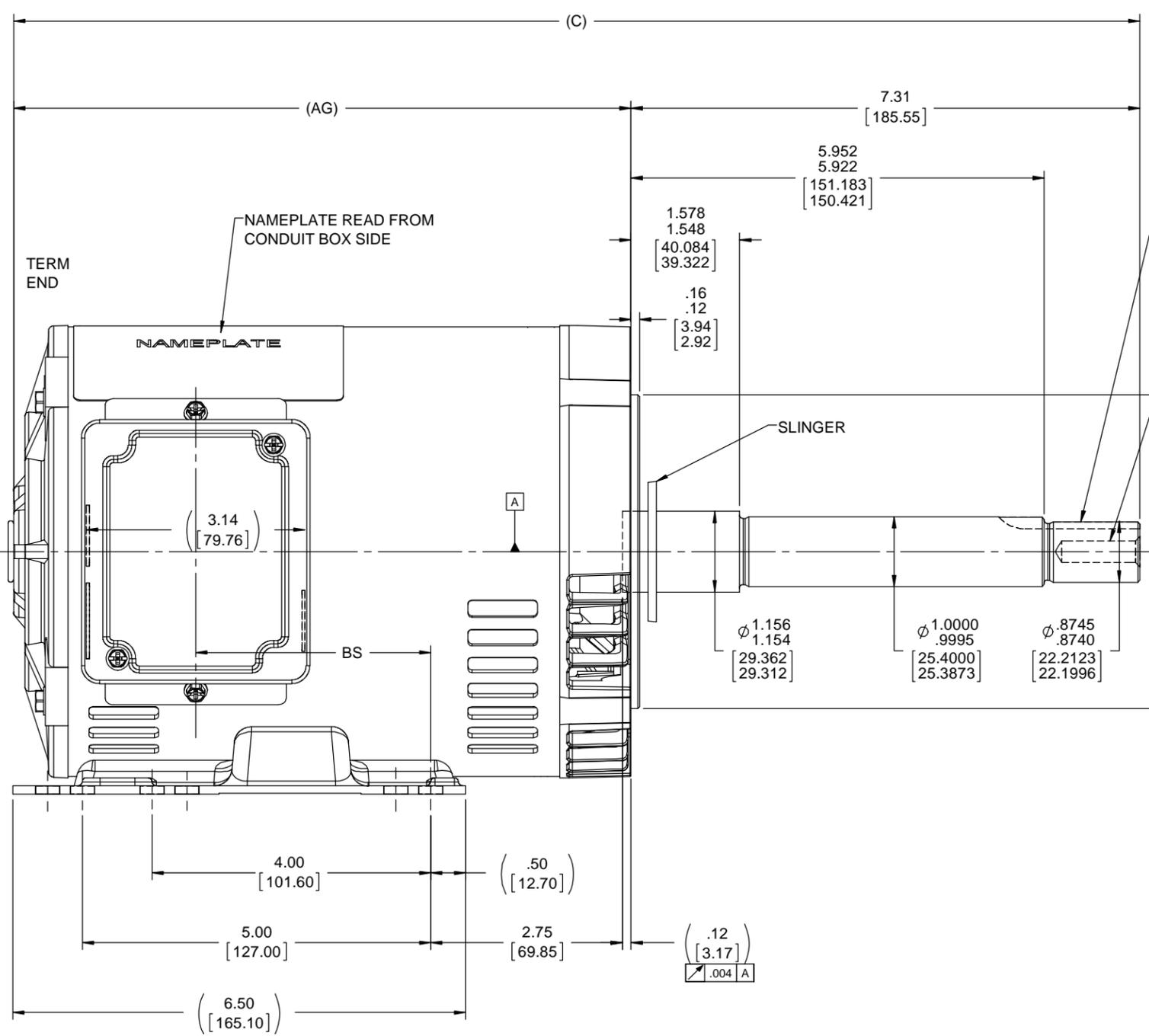


Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	3515 & 2920 rpm	Service Factor	1.15 & 1.0
Frame	143JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 & 86.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3.8/1.9 & 3.4/1.7 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	9.08 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	17.68 in
Frame Length	8.56 in	Shaft Diameter	0.875 in
Shaft Extension	7.34 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	A-100132-856	Connection Drawing	A-EE7308



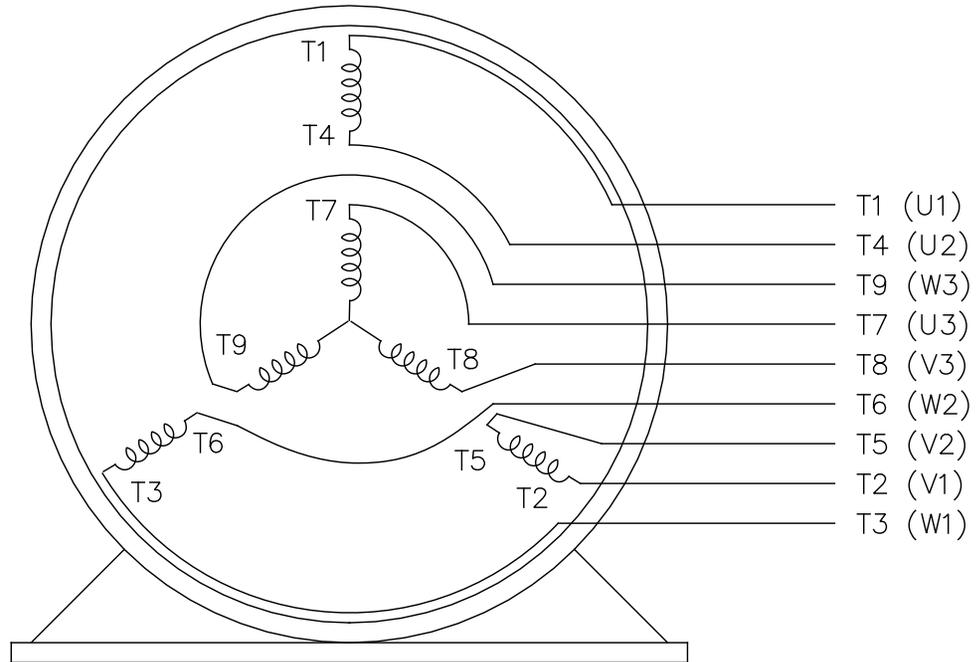
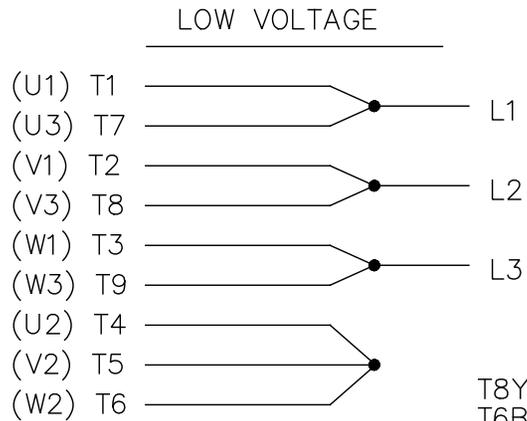
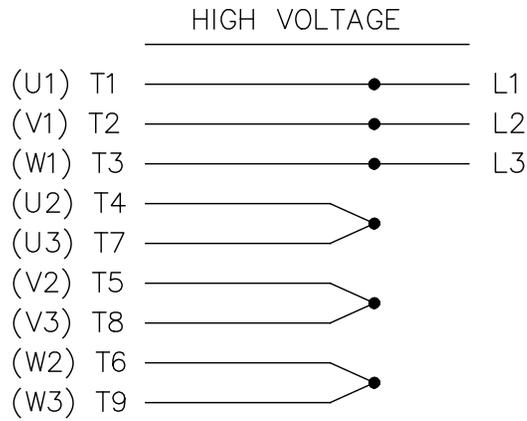
DASH NO.	"C"	"AG"	"BS"
706	16.17[410.71]	8.87[225.29]	3.37[85.59]
756	16.67[423.41]	9.37[237.99]	3.87[98.29]
806	17.17[436.11]	9.87[250.69]	4.37[110.99]
856	17.67[448.81]	10.37[263.39]	4.87[123.69]
906	18.17[461.51]	10.87[276.09]	5.37[136.39]

NOTES:
CONDUIT BOX CAN BE ROTATED IN 180° STEPS.

DRAWING REVISION N	REVISION BY A. KEETHA	DATE 12/29/2017	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH .mm ANGLE .XX ±0.1 [±2.5] 27 30° .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] XXXX ±0.0005 [±0.0127]	DRAWN BY BRH	DATE 11/02/1995	APPROVED BY PST	DATE 04/11/2018	APPROVED BY GK	DATE 11/06/1995	REFERENCE	REGAL BELLOIT AMERICA, INC.
OUTLINE CONVERSION PROJECT											
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REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: .200/INCH/ MIN											
THIRD ANGLE PROJECTION											
MATERIAL 140 FR.-BB-DR.PR.-3Ø-C' FACE-JP EXT.											
PROCESS/FINISH											
SIZE [DRAWING NUMBER] 100132											
SHEET 1 OF 1											

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

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

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					





CERTIFICATION DATA SHEET

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

CATALOG #: 122095.00

CONN. DIAGRAM: A-EE7308

OUTLINE: A-100132-856

MOUNTING: F1 ONLY

WINDING #: ZT2168 DR 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	3600	3515	143JP	DP	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460	3.8/1.9	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.0	40

FULL LOAD EFF:	86.5	3/4 LOAD EFF:	88.3	1/2 LOAD EFF:	86.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	84	3/4 LOAD PF:	78.7	1/2 LOAD PF:	67.6	84	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.25 LB-FT	37.2 / 18.6	6.8 LB-FT 302 %	10 LB-FT 444 %	20

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
68 dBA	78 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
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	BLUE (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	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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INVERTER TORQUE: CONSTANT 2:1
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: 1/19/2018

122095.00



Data @ **460 V**

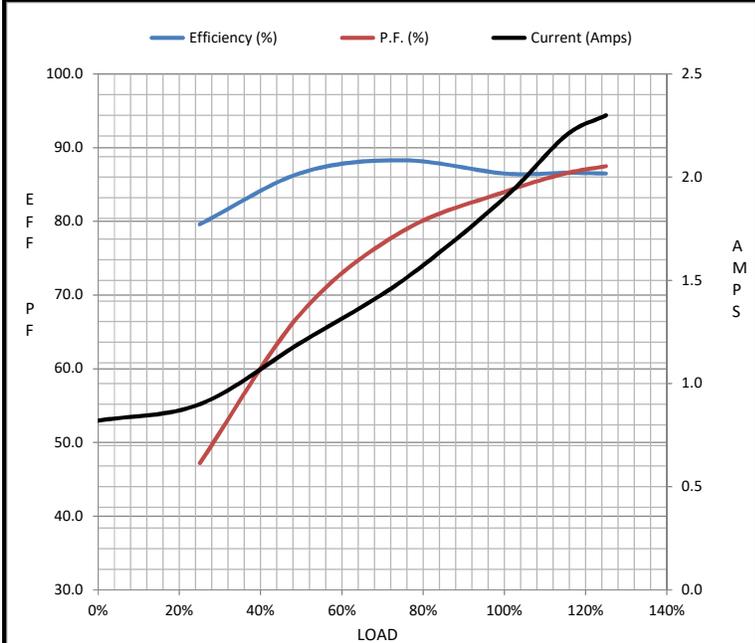
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.82	0.90	1.20	1.50	1.90	2.20	2.30	18.6
Torque (ft-lb)	0.00	0.55	1.10	1.68	2.25	2.60	2.80	6.8
RPM	3600	3580	3560	3540	3515	3,505	3495	0
Efficiency (%)		79.6	86.6	88.3	86.5	86.6	86.5	
P.F. (%)	14.3	47.2	67.6	78.7	84.0	86.5	87.5	62.5

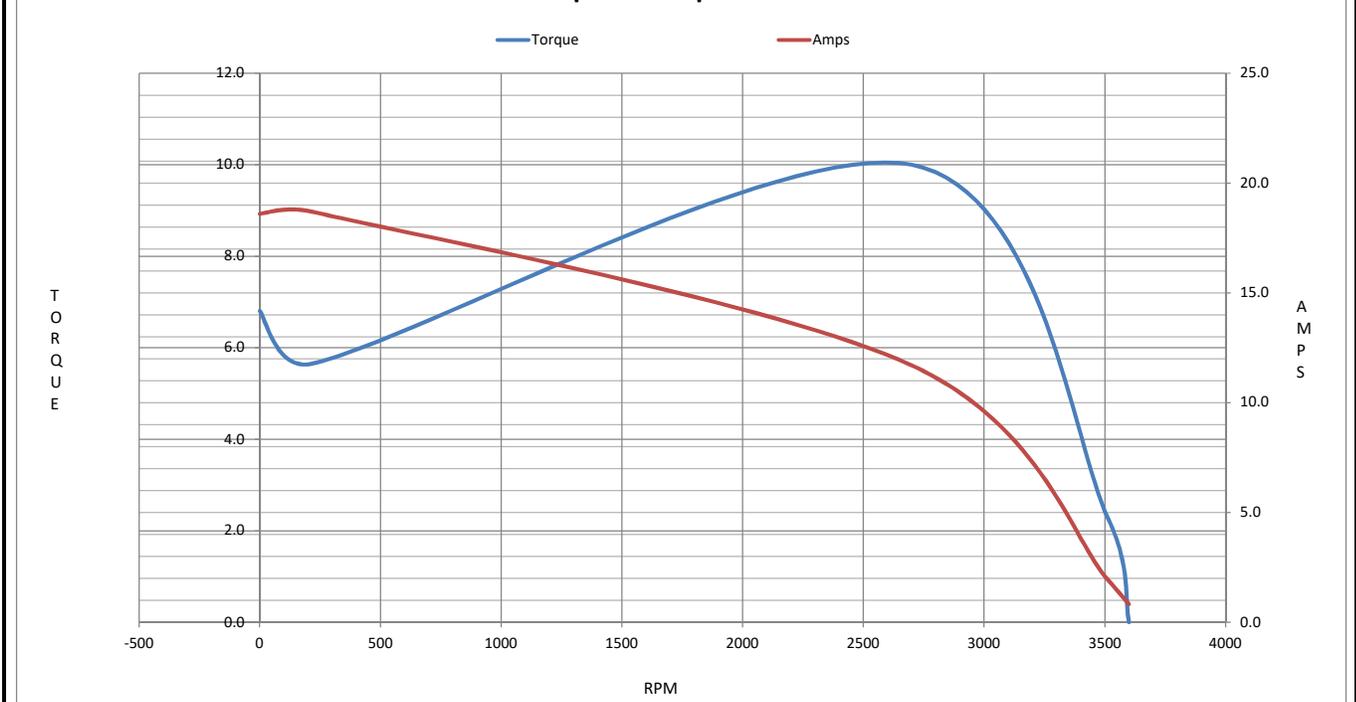
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	215	2700	3515	3600
Current (Amps)	18.6	18.7	11.7	1.90	0.82
Torque (ft-lb)	6.8	5.7	10.0	2.25	0.00

Information Block				
HP	1.5			
Sync. RPM	3600			
Frame	143			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	20 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	ZT2168 DR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100132-856			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
5.2950	3.7820	9.2660	9.4550	359.2900



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 : 122095.00

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

Catalog No : 122095.00

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