

PRODUCT INFORMATION PACKET



Model No: E119351.00
Catalog No: E119351.00
ecoSaver™ General Purpose Motor, 0.50 & 0.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,
1800 & 1500 RPM, 56 Frame, DP



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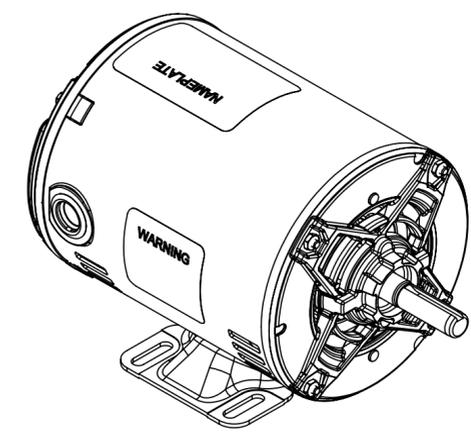
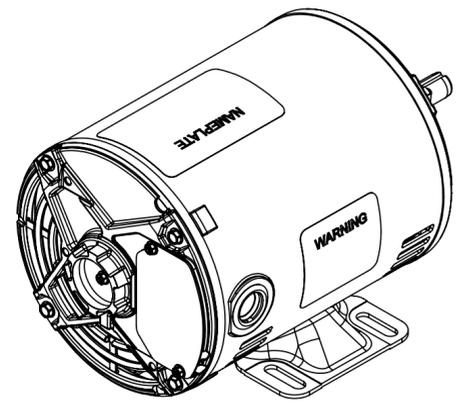
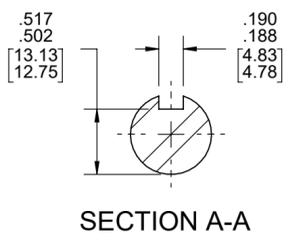
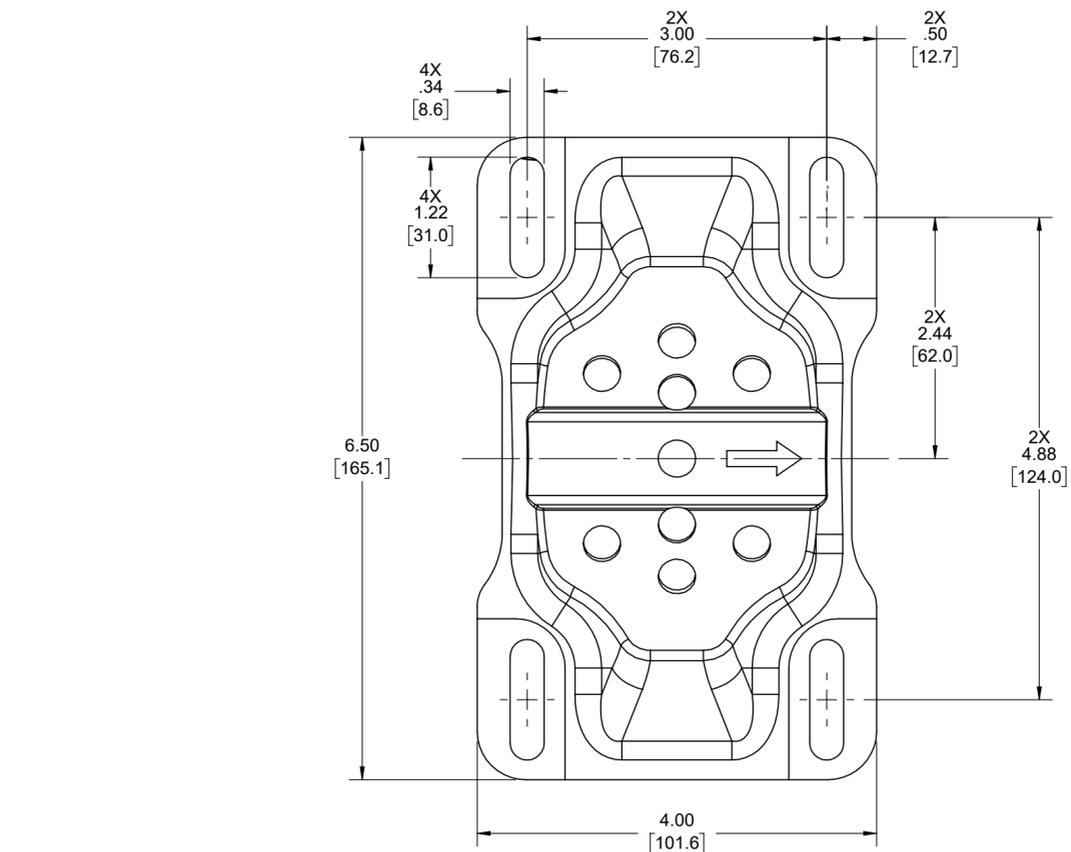
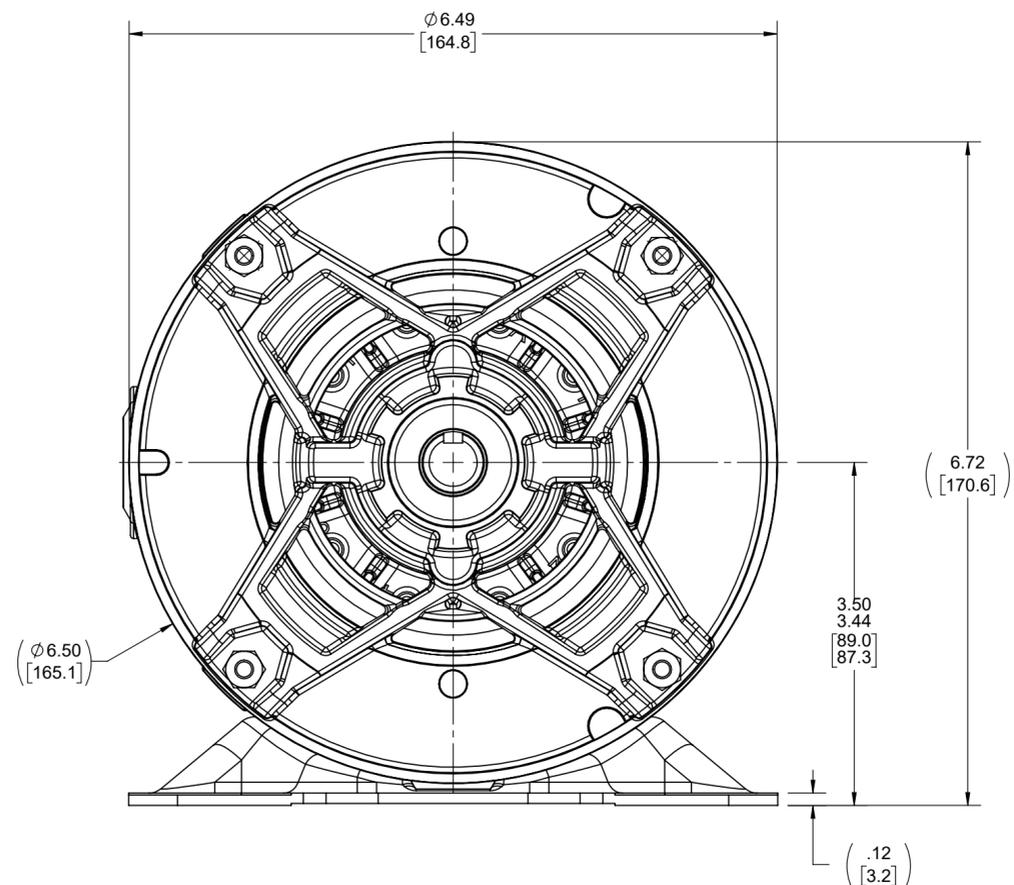
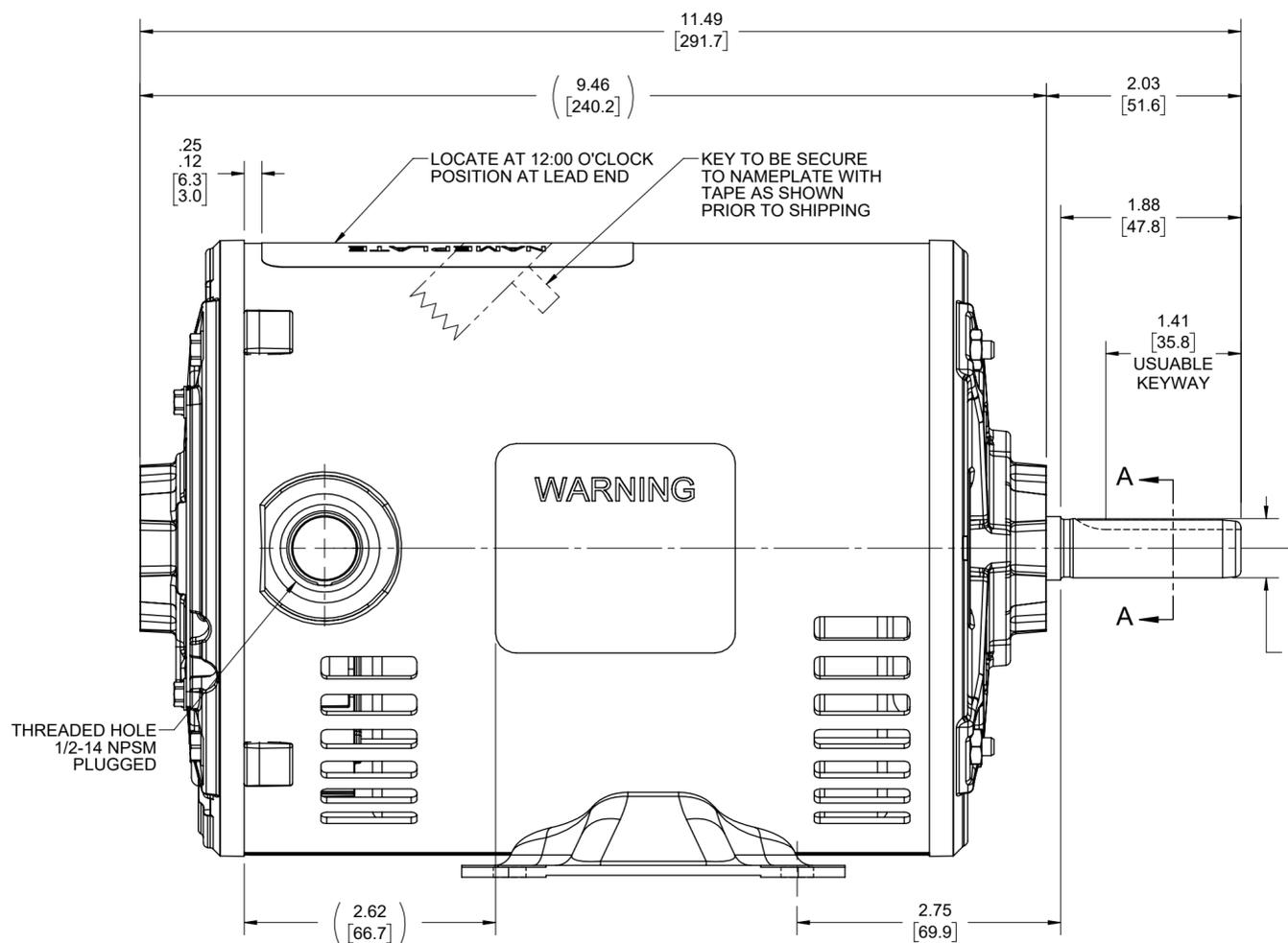


Nameplate Specifications

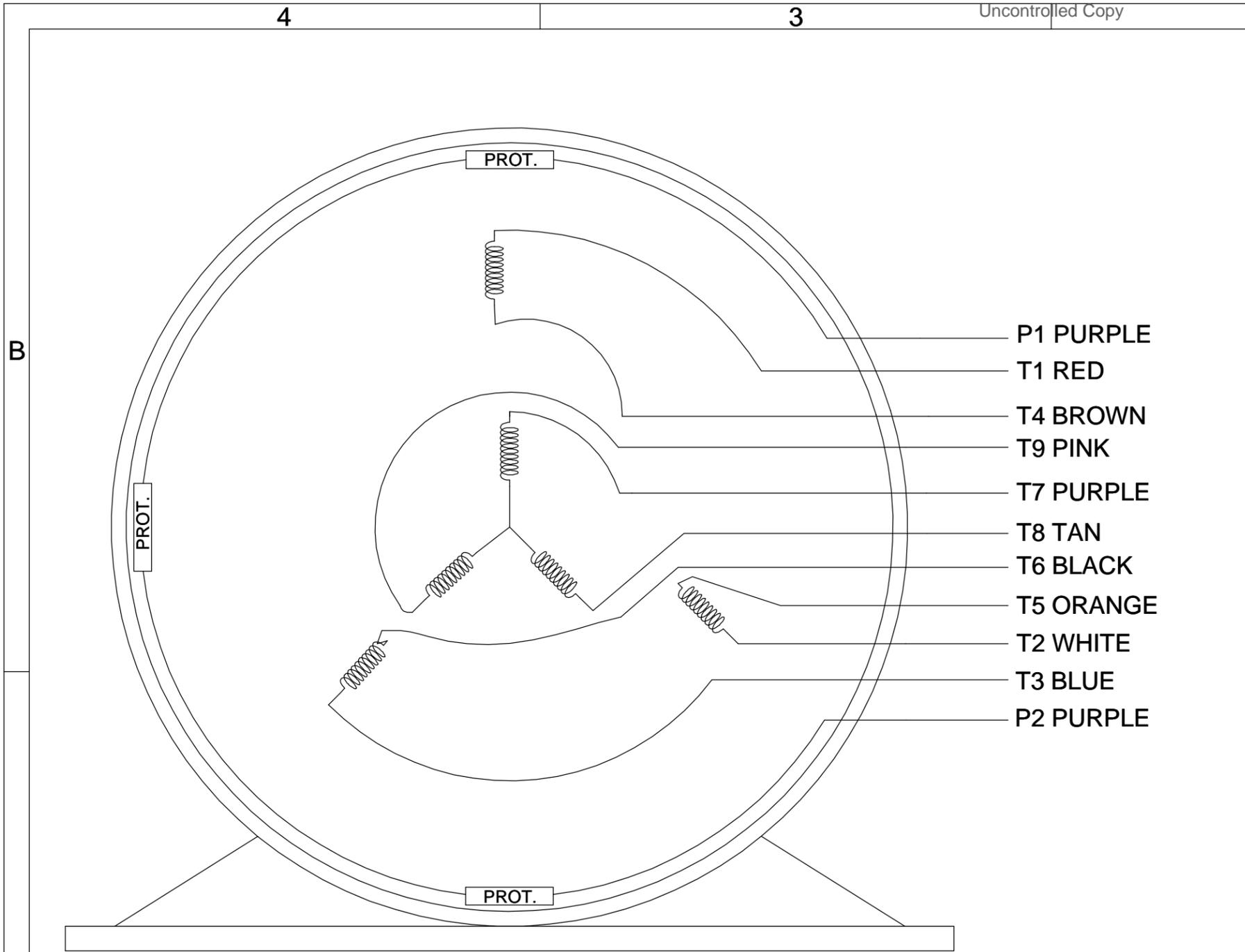
Phase	3	Output HP	0.50 & 0.50 Hp
Output KW	0.37 & 0.37 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.25 & 1.25
Frame	56	Enclosure	Drip Proof
Thermal Protection	Thermostat	Efficiency	78.2 & 78.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.7-1.8/0.9 & 2/1 A	Power Factor	66.5
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	P
Drive End Bearing Size	6203	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	4	Rotation	Reversible
Resistance Main	23.2 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	9.87 in
Frame Length	5.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	CDTD113	Outline Drawing	OL56100598-005



DRAWING REVISION B	REVISION BY D. VALENCIANO	REV DATE/@ DATE 11-04-2021	TOLERANCES (EXCEPT AS NOTED):		DRAWN BY KHADHAR	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0213606	APPROVED BY S. CIPRIANO	DATE 11-04-2021	DEC. .X ±0.1 [±3]	ANGLE ±0.5°	DATE 10/27/2021	
REQUEST NUMBER DESCRIPTION WAS ADDED THE LABEL WARNING			.XX ±0.02 [±0.5]		APPROVED BY PVR	DESCRIPTION OUTLINE
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			.XXXX ±0.0005 [±0.013]		REFERENCE OL56100521	MATERIAL
			MACHINED SURFACES: .125 /mm 3.2 INCH √mm		THIRD ANGLE PROJECTION	SIZE C
			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			DRAWING NUMBER OL56100598-005
						SHEET 1 OF 1

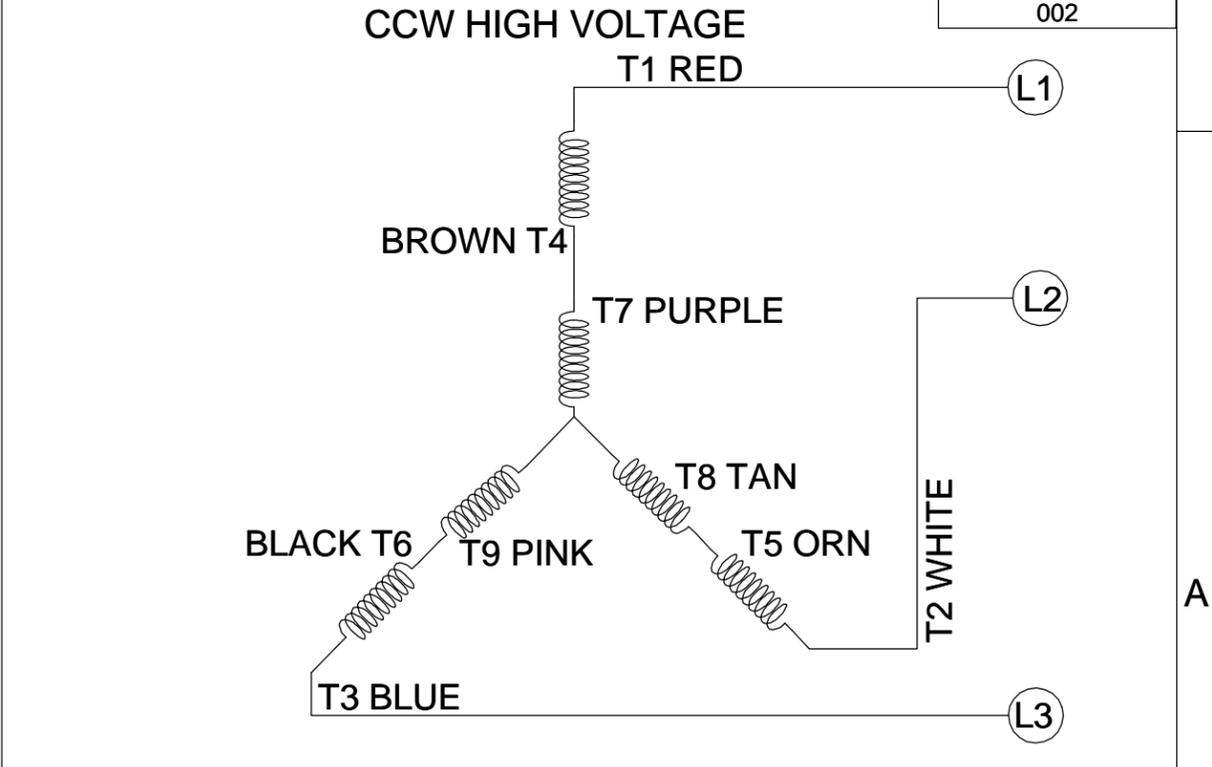
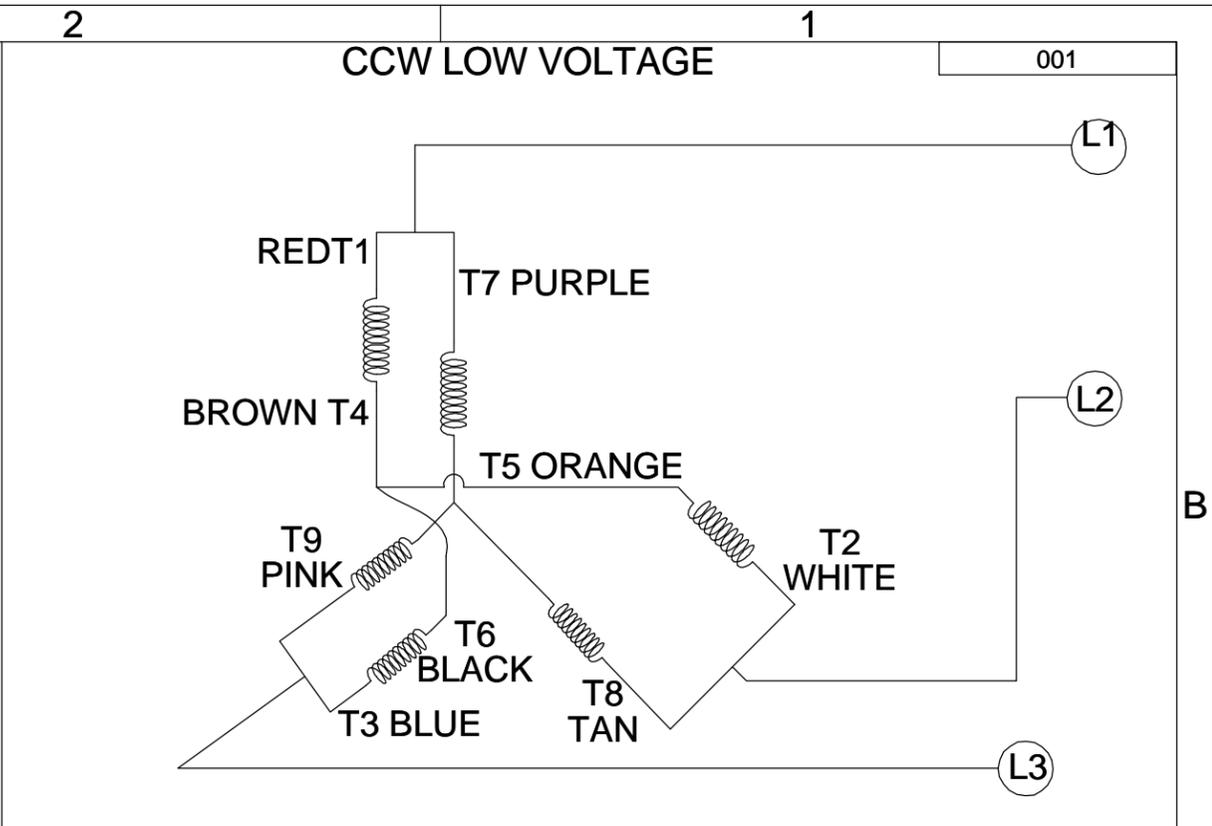


- P1 PURPLE
- T1 RED
- T4 BROWN
- T9 PINK
- T7 PURPLE
- T8 TAN
- T6 BLACK
- T5 ORANGE
- T2 WHITE
- T3 BLUE
- P2 PURPLE

VIEW OF TERMINAL END

NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10042-002.



DRAWING REVISION D		REVISION BY KHADHAR	DATE 12/05/2018	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY G. RODRIGUEZ		Regal Beloit America, Inc.	
ECO ECO-0157853		APPROVED BY CD	DATE 12/05/2018	DEC. .X ±0.1 [±2.5]	INCH .XX ±0.01 [±0.25]	ANGLE XXX ±0.005 [±0.127]	DATE 25-01-2016		
ECO DESCRIPTION UPDATED CONNECTION DIAGRAM NAMEPLATE NUM.				REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51]		APPROVED BY E.VILLA		DESCRIPTION CONN DIAGRAM-EXTERNAL	
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				mm SHOWN IN [BRACKETS]		REFERENCE EE7308T		PROCESS/FINISH	
						THIRD ANGLE PROJECTION		SIZE B	
								DRAWING NUMBER CDTD113	
								SHEET 1 OF 1	

P.O. BOX 8003
 WAUSAU, WI 54401-8003
 PH. 715-675-3311



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20
 OUTLINE: 607-0191-500
 WINDING: T634467

CAT #: E119351.00

DR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.5	0.37	1800	1759	56	DP	NA	N	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	1.85/.93&2/1	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	79.6	3/4 LD EFF	77.2	1/2 LD EFF	72.5	GTD EFF	0.0	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	62.9	3/4 LD PF	53.6	1/2 LD PF	41.4				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
382 LB-FT	6.7	1,333 LB-FT 349%	1,751 LB-FT 458%	21

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 dBA	9 dBA	0.05 LB-FT²	0 LB-FT²	0 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	IN - LEESON WATTS

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						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.1 X BASE SPEED	
	ENCODER: NONE NONE NONE	
	NONE PPR	
	BRAKE: NONE NONE NONE	
	FT-LB: NA VOLTAGE: NONE HZ:	

DATE: 1/19/2018	UL: Y-(LEESON UL REC)
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Data Sheet

Date: 1/19/2018

E119351.00



Data @ **460 V**

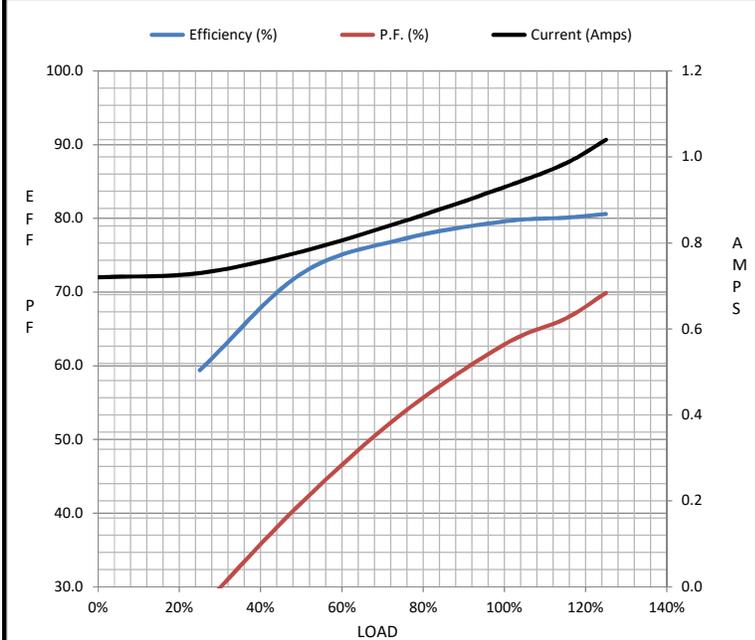
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.72	0.73	0.78	0.85	0.93	0.99	1.04	6.7
Torque (ft-lb)	0.00	94.1	188	285	382	6,902	481	1,333
RPM	1800	1790	1780	1770	1759	1,754	1746	0
Efficiency (%)		59.4	72.5	77.2	79.6	80.1	80.6	
P.F. (%)	13.4	27.0	41.4	53.6	62.9	66.4	69.9	0.0

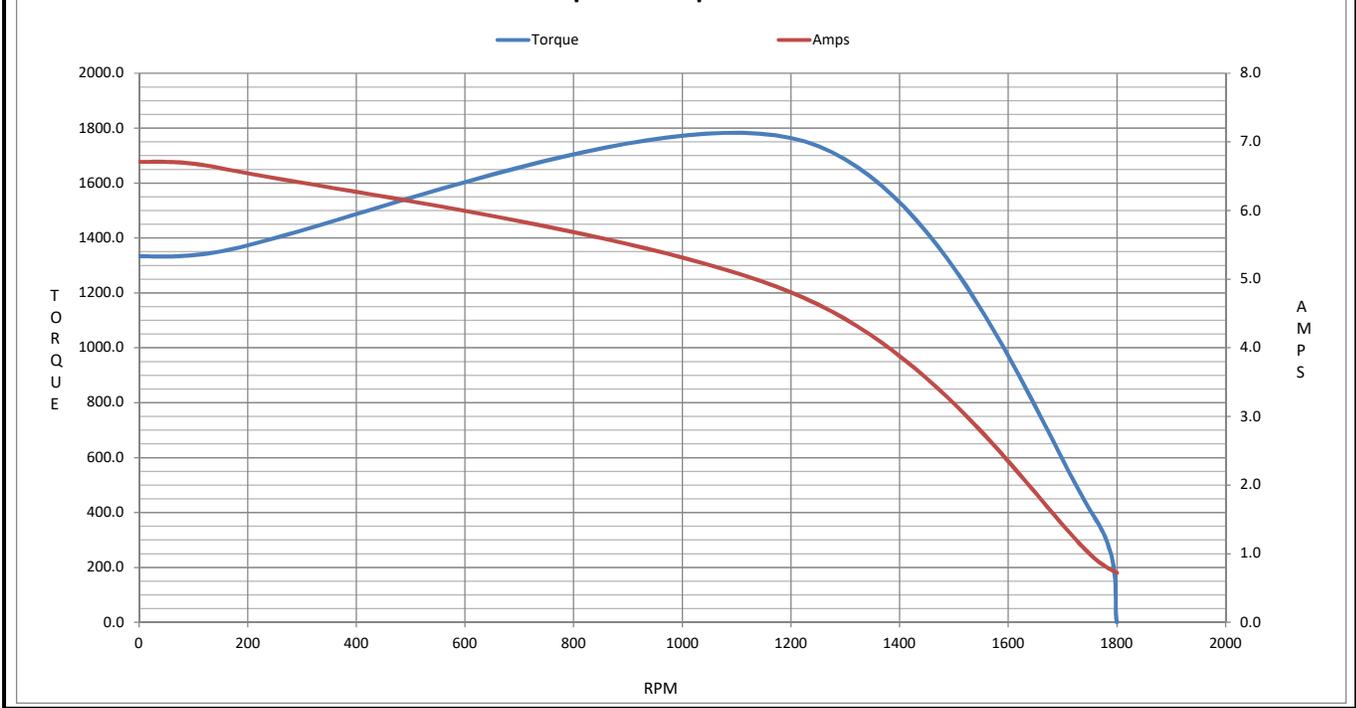
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	142	1226	1759	1800
Current (Amps)	6.7	6.6	4.7	0.93	0.72
Torque (ft-lb)	1,333	1,348	1,751	382	0.00

Information Block				
HP	0.5			
Sync. RPM	1800			
Frame	56			
Enclosure	DP			
Construction	NA			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	21 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.05 Lb-Ft ²			
Ref Wdg	T634467 DR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	607-0191-500			
Conn. Diag	005010.20			
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 : E119351.00

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

Catalog No : E119351.00

Rework No : N/A

Directives :

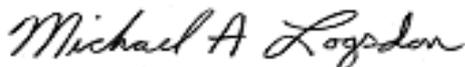
Low Voltage Directive 2014/35/EU

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