

PRODUCT INFORMATION PACKET



Model No: LM34217
Catalog No: LM34217
Special Voltage Motor, 10 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 215T Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E



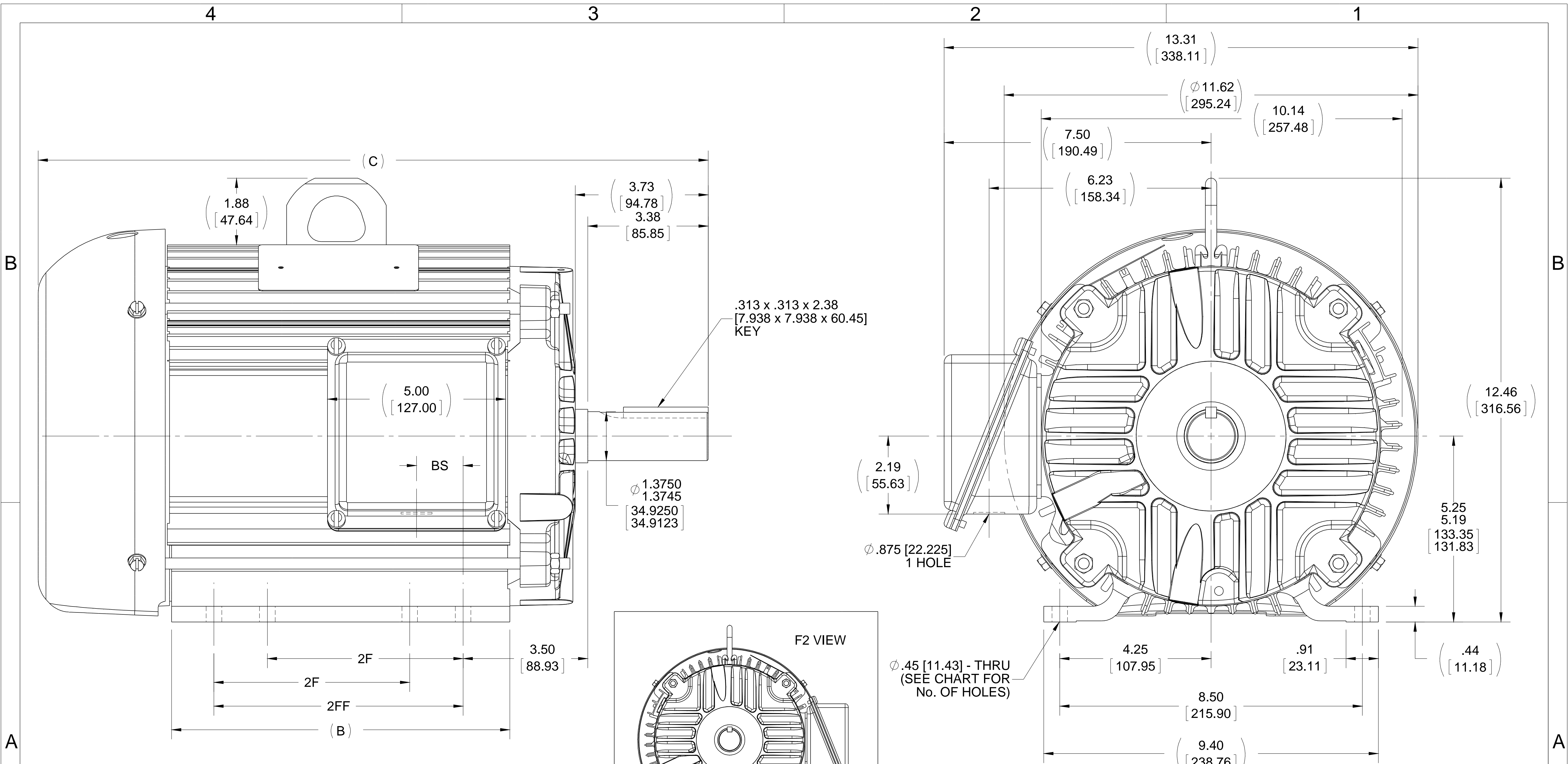


Nameplate Specifications

Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	575 V
Speed	1765 rpm	Service Factor	1.0
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 %
Ambient Temperature	50 °C	Frequency	60 Hz
Current	10.7 A	Power Factor	76.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6208	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.941 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Overall Length	18.84 in
Frame Length	9.62 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	A-EE7300	Outline Drawing	SS330100LN-950



NOTES:
 1- BOX CAN BE ROTATED IN 90° STEPS.
 2- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	2FF	BS	F1/F2	No. OF MTG HOLES
800	213T	8.12 [206.25]	17.34 [440.44]	5.50 [139.70]	---	1.33 [33.76]	NO	4
950	213/5T	9.62 [244.35]	18.84 [478.54]	5.50 [139.70]	7.00 [177.80]	1.33 [33.76]	YES	8
1050	215T	10.62 [269.75]	19.84 [503.94]	7.00 [177.80]	8.00 [203.20]	1.33 [33.76]	YES	8

DRAWING REVISION	REVISION BY	DATE
E	JHA	04-13-2015
ECO-0073312	DJK	04-14-2015

APPROVED BY

ECO DESCRIPTION

UPDATED TO CURRENT STANDARDS

COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

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 [0.51]

MACHINED SURFACES: 200 INCH/mm 5.1

mm SHOWN IN [BRACKETS]

DRAWN BY	DATE
MJK	04-20-2004
APPROVED BY	DATE
JPL	04-20-2004

REFERENCE

THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION

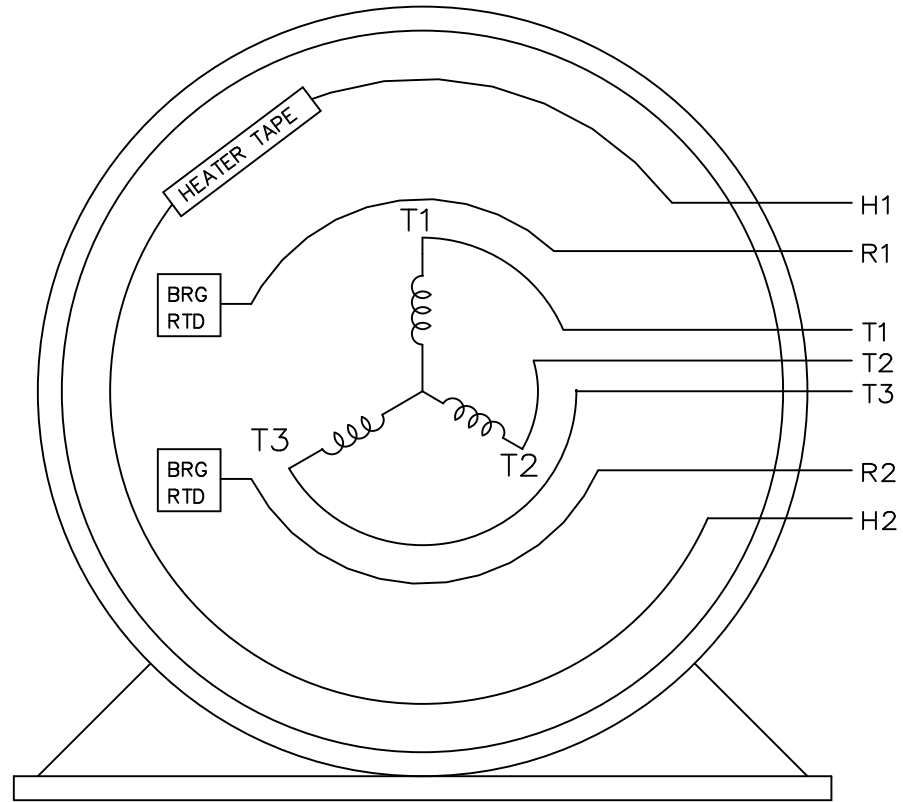
OUTLINE
210T FR - ALUM FR - TEFC

MATERIAL

PROCESS/FINISH

SIZE **B** DRAWING NUMBER **SS330100LN** SHEET 1 OF 1

THREE PHASE – SINGLE VOLTAGE
 MOTOR OR INDUCTION GENERATOR WITH
 2 BRG RTD'S, MARKED R1–R2, AND 2
 SPACE HEATER LEADS MARKED H1–H2



VIEW OF TERMINAL END

TO REVERSE ROTATION:
 INTERCHANGE ANY TWO
 LINE LEAD CONNECTIONS.

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN KL 03-06-2001				
				DEC.	INCHES		CHK	DJK 03-06-2001			
				.X	±.1	TITLE CONNECTION DIAGRAM – EXTERNAL SINGLE VOLTAGE 3Ø MOTOR	APPD JES 03-06-2001				
				.XX	±.02		SCALE 1=1				
2	REDRAWN IN AUTOCAD	TAT 08-02-2004	ML	.XXX	±.005		REF				
1	NEW DRAWING	MU36343 KL 03-06-2001		.XXXX	±.0005		MAT'L. FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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 ee7300ht			SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST				A	EE7300HT			2

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/RS
-dictionary-
/Pscript_WinNT_Compat
-dictionary-



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7300
OUTLINE: SS330100LN-950
WINDING: K2154512

CAT #: LM34217

R1 4

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	1800	1765	215T	TEFC	TFL	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	10.7	LINE OR INVERTER	CONT	F	1.15	50	3300

F.L. EFF	91.7	3/4 LD EFF	90.9	1/2 LD EFF	90.6	GTD EFF	ELECT. TYPE
F.L. PF	76.9	3/4 LD PF	70.1	1/2 LD PF	57.2	90.2	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
29.8 LB-FT	64.8	71.0 LB-FT 238%	89.0 LB-FT 299%	55

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA		1.00 LB-FT²	50 LB-FT²	25 SEC.	2	150 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	WATTSAVER

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ALUMINUM
BALL	BALL						
6208	6206						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	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
0.957	0.714	2.898	3.369	56.074	0.150	ODE

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

DATE:	9/4/2018	UL: V-INS, CONST UL REC
-------	----------	-------------------------

Data Sheet

Date: 9/4/2018

LM34217



Data @ **575 V**

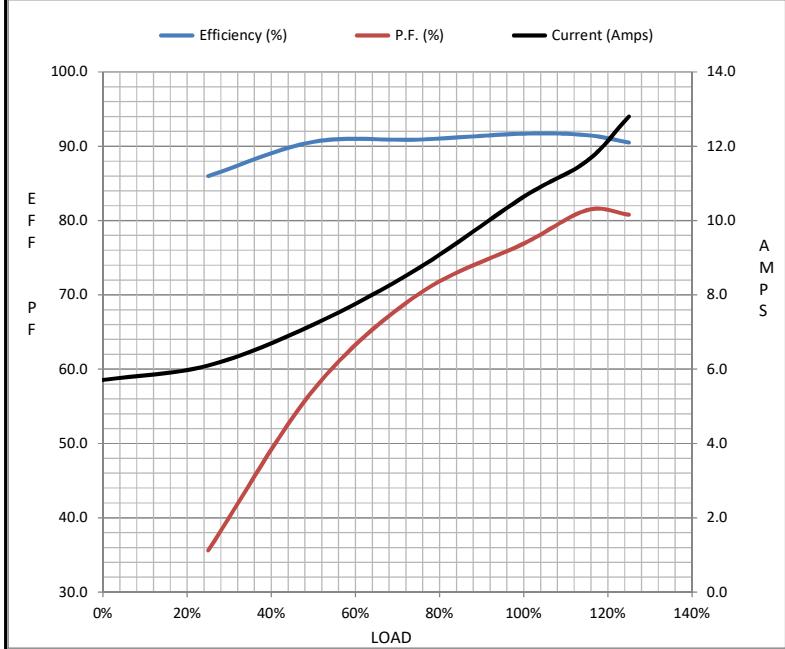
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.7	6.1	7.2	8.7	10.6	11.6	12.8	64.8
Torque (ft-lb)	0.00	7.3	14.7	22.0	29.8	34.5	37.4	71.0
RPM	1800	1791	1780	1771	1765	1,755	1755	0
Efficiency (%)		86.0	90.6	90.9	91.7	91.5	90.5	
P.F. (%)	4.7	35.6	57.2	70.1	76.9	81.4	80.8	42.0

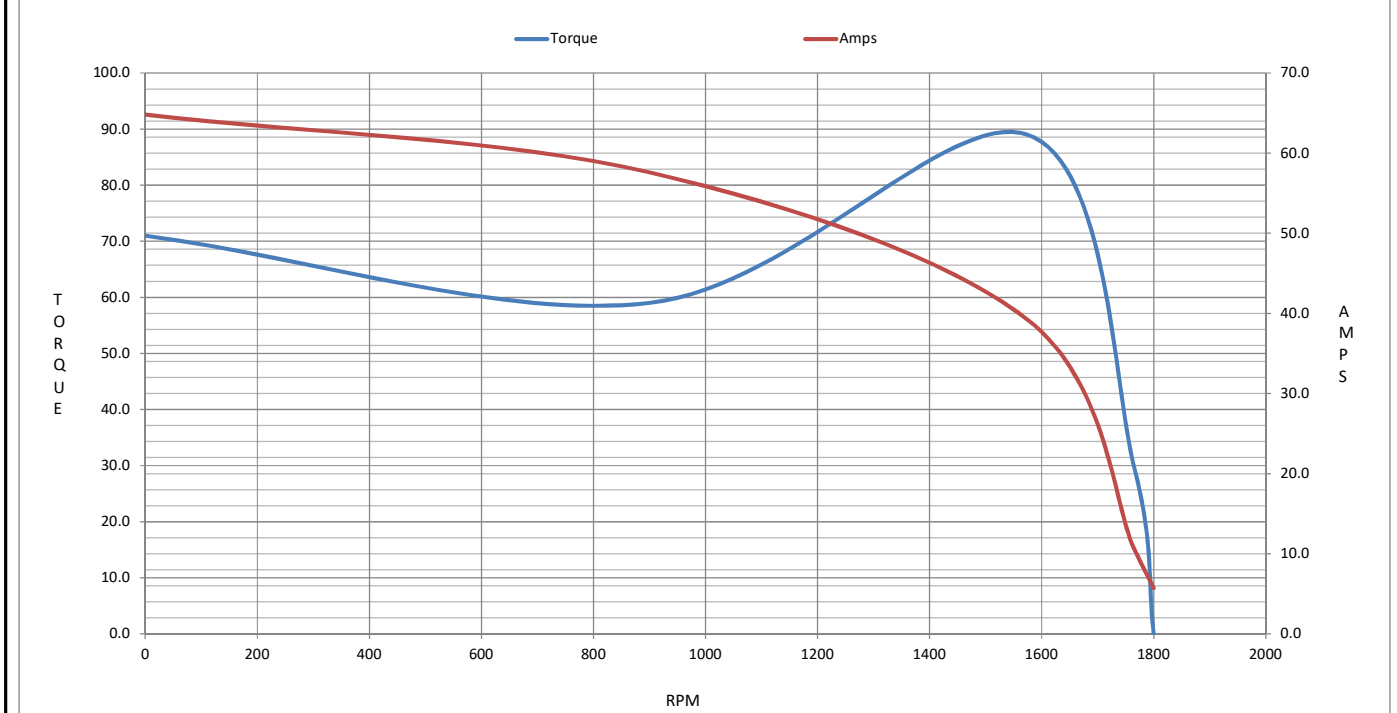
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1575	1765	1800
Current (Amps)	64.8	57.6	39.2	10.6	5.7
Torque (ft-lb)	71.0	59.0	89.0	29.8	0.00

Information Block				
HP	10.0			
Sync. RPM	1800			
Frame	215			
Enclosure	TEFC			
Construction	TFL			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.00 Lb-Ft ²			
Ref Wdg	K2154512 R1			
Sound Pressure @ 1M	62 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS330100LN-950			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.9570	0.7140	2.8980	3.3690	56.0740



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 : LM34217

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

Catalog No : LM34217

Rework No : N/A

Directives :

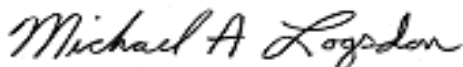
Low Voltage Directive 2014/35/EU

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