PRODUCT INFORMATION PACKET

Model No: LM17079
Catalog No: LM17079
Special Voltage Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 256T Frame, TEFC



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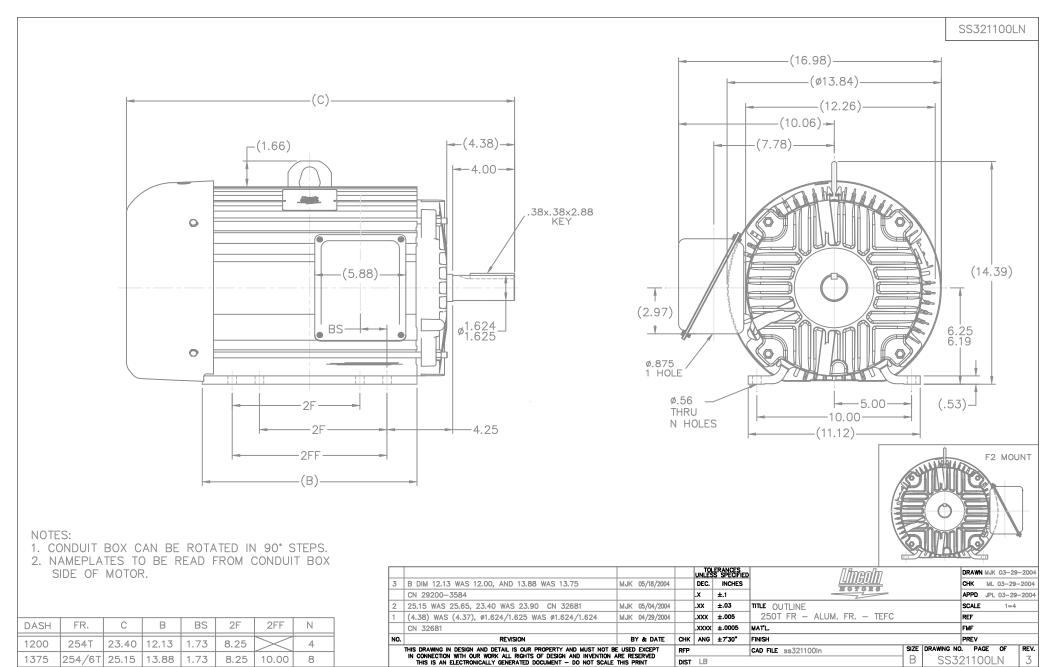
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	19.3 A	Speed	1775 rpm
Service Factor	1.25	Phase	3
Efficiency	93 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

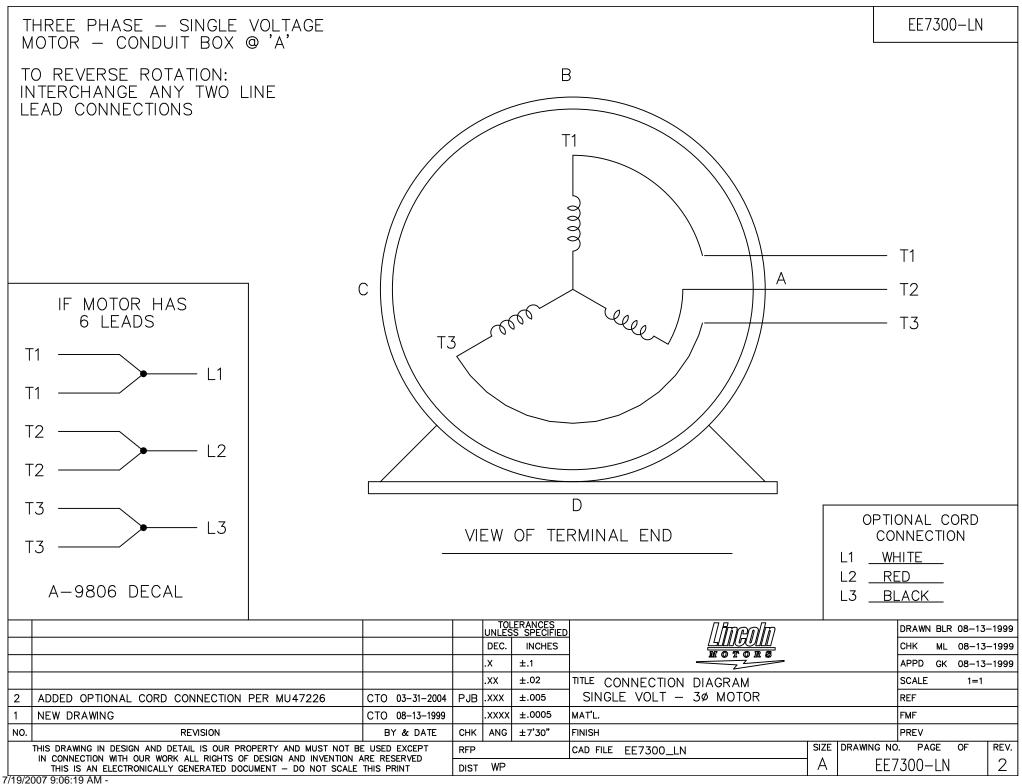
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.474 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	т	Overall Length	25.15 in
Frame Length	13.75 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS321100LN-1375	Connection Drawing	EE7300-LN

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DIST LB





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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

TYPICAL MOTOR PERFORMANCE DATA

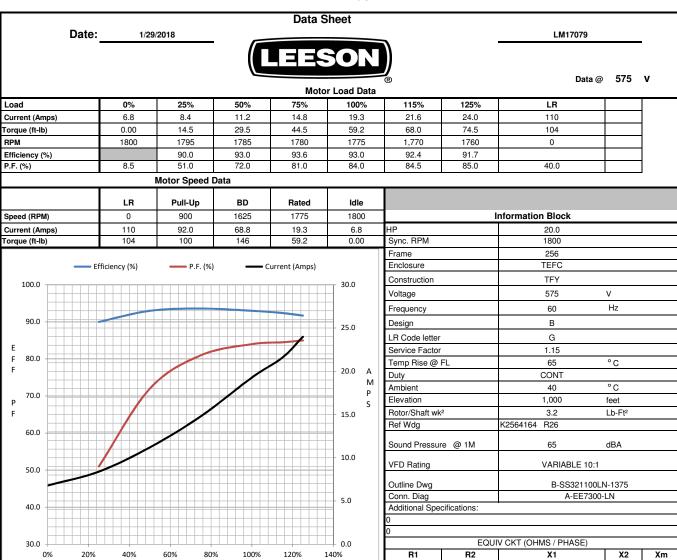
CONN. DIAGRAM: A-EE7300-LN CAT #: LM17079

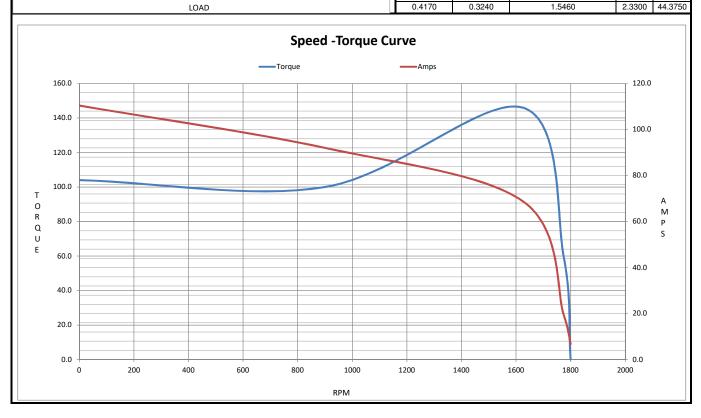
OUTLINE: B-SS321100LN-1375

WINDING: K2564164 R26 3

HP	KW	SYNC RPM	FL R	PM	FI	RAME	ENC	LOSURE	TYPE	KVA COI	DE	DESIGN	
20	14.9	1800	177	75	2	256T		TEFC TFY		G	а B		
	•		*		•					!			
PH	HZ	VOLTS	AMI	AMPS		START TYPE		DUTY		S.F.	AMB	ELEV.	
3	60	575	19.3		LINE OF	LINE OR INVERTER CONT		F	1.15	40	3300		
	F.L. EFF	93.0	3/4 LD EFF	93.6	1	1/2 LD EFF	93.0	GTD EFF	<u> </u>	ELECT. TY	DE		
	F.L. PF		3/4 LD PF			1/2 LD PF	72.0	92.4		SQ CAGE INV I			
	F.L. FF	64.0	3/4 LD FF	61.0	<u> </u>	I/Z LD FF	72.0	32.4		3Q CAGE IIV I	TATED		
F.L. TO	F.L. TORQUE LR AMPS @		9 460 V	L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
59.2	LB-FT	110		104	LB-FT	176%	146	LB-FT	247%	65			
PRESSI	SSURE @ 3 POWER ROTOR WK ² MAX. LOAD WK ²			OAD WK ²	SAFE STALL TIME STARTS/HOUR MOTO				OR WGT				
65	dBA	74 dBA			125	LB-FT ²	25 SEC.		2		425 LB .		
			,	*** SI	JPPLEM	ENTAL INFO	ORMATI	ON ***				·	
DE BR/	-	ODE BRACKET TYP	MOUNT E TYPE	_	TOR TATION	SEVERE DUTY		ARDOUS CATION	DRIP COVER	SCREENS	PAINT		
STAN	DARD	STANDARD	RIGID	HORIZ	ONTAL	NO	ı	NONE	NO	NONE	GRAY	GRAY - LINCOLN	
BEAR	INCC								1				
DEAD	ODE	GREASE	SHAFT	TYPE	YPE SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME	MATERIA	
BALL	BALL		_										
6309	6208	POLYREX EM	Т		N	IONE	NONE		1045 HOT ROLLED (C-204)		ALUMINUM		
THEDM	net ate	PROTECTORS	WDG I	OTD'o	PD/	PTD'o	TUE	RMISTORS	COL	NTPOL		PACE ATERS	
THERMOSTATS		PROTECTORS	WDG RTD's		BRG RTD's			MISTORS			HEATERS		

NO	NONE NOT		NONE	NONE	NONE	FALSE		NA		
R1 (ohms/ph) R2 (ohms/ph)		R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)		FLOAT		
0.4	17	0.324	1.546	2.33	44.375	0.150	0.150			
*										
N					INVERTER TORQUE: VARIABLE 10:1					
0					INV. HP SPEED RANGE: NONE					
Т										
E					ENCODER:	NONE				
s					NONE					
*					NONE			NONE PPR	₹	
					BRAKE:	NONE				
					NO	NE	NONE			
	DATE:	1/29/2018			FT-LB:	NA				
				VOLTAGE:	NONE			HZ:		







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: LM17079

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

Catalog No: LM17079

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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