PRODUCT INFORMATION PACKET



Model No: LM21378
Catalog No: LM21378

Automotive Duty Motor, 1 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 182U Frame, TENV



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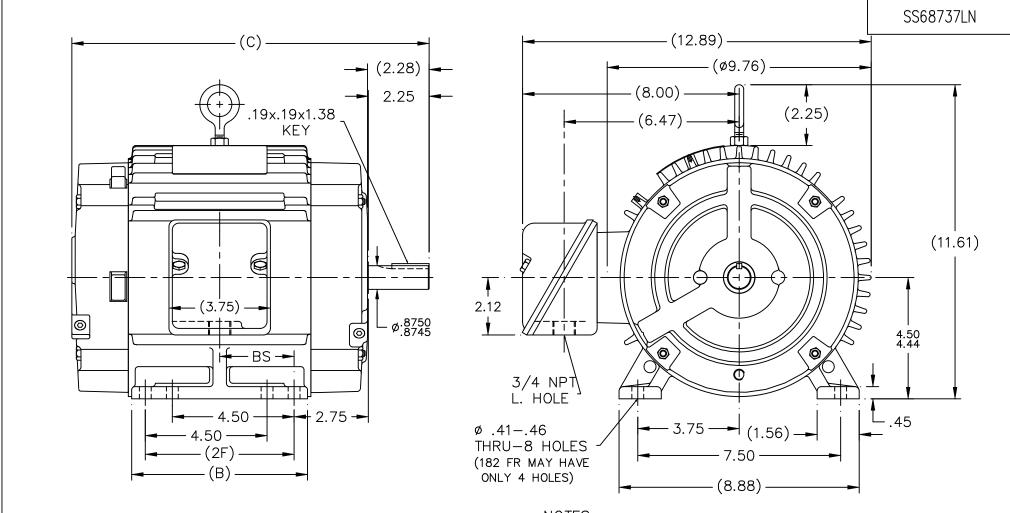
Nameplate Specifications

1 Hp	Output KW	0.75 kW
60 Hz	Voltage	460 V
1.5 A	Speed	1770 rpm
1	Phase	3
87.5 %	Power Factor	75
Continuous	Insulation Class	F
В	KVA Code	L
182U	Enclosure	Totally Enclosed Non Ventilated
No Protection	Ambient Temperature	65 ℃
206	Opp Drive End Bearing Size	205
Recognized	CSA	Υ
Υ	IP Code	43
1		
	60 Hz 1.5 A 1 87.5 % Continuous B 182U No Protection 206 Recognized	60 Hz Voltage 1.5 A Speed 1 Phase 87.5 % Power Factor Continuous Insulation Class B KVA Code 182U Enclosure No Protection Ambient Temperature 206 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	13.4 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	U	Overall Length	12.21 in
Frame Length	5.75 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7300-LN	Outline Drawing	A-SS68737LN-575

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2F DASH FR. В BS MOUNTING 575 182U 12.21 5.50 4.50 2.25 F1 ONLY 675 182U 6.50 5.50 2.75 13.21 F1 ONLY 675 184U 13.21 6.50 5.50 2.75 F1 OR F2

NOTES:

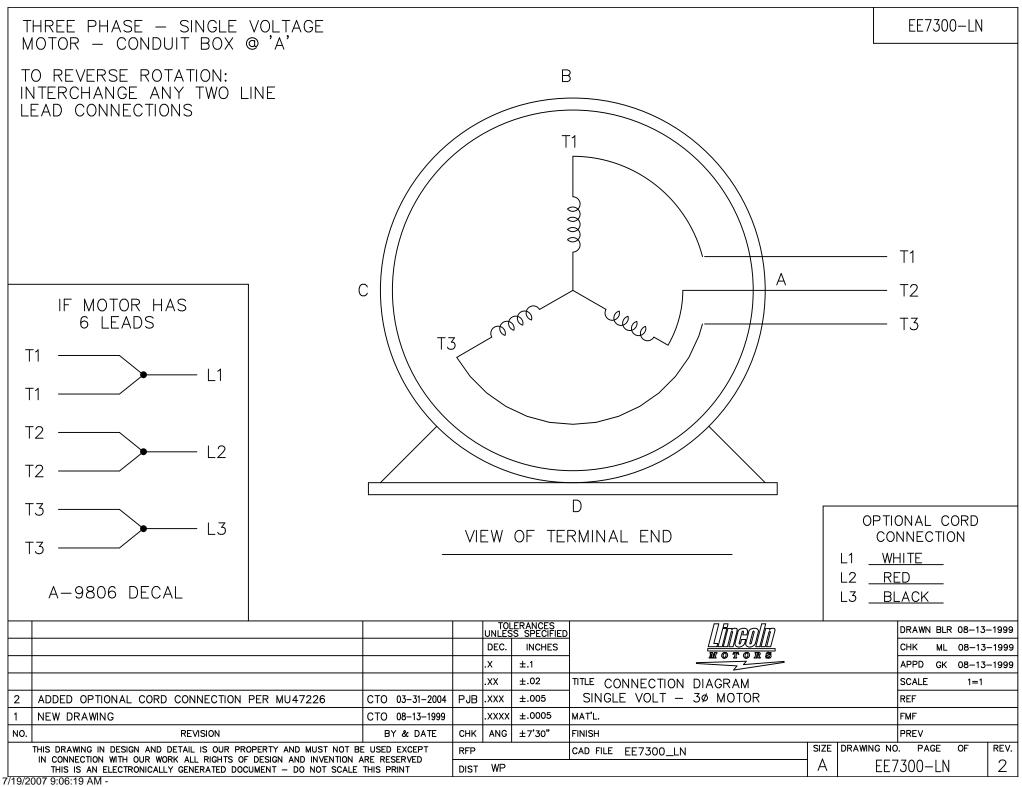
- 1. CONDUIT BOX CAN BE ROTATED IN 90°STEPS.
- 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
- 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

											TOL UNLES	ERANCES S SPECIFIED	//โกคดใก			DRAWN	3JW 06-26	5-2000
											DEC.	INCHES	LUNUUUI Motors			снк	VL 06−2€	5-2000
3	REV'D	TO SHOW	STUDS O	N D.E. O	F MOTOR.	.CN29200-	-805	NJS	08-25-2000		.x	±.1				APPD 1	B 06-26	-2000
2	REVIS	SED OUTLINE	TO HAV	E C'BOX	FROM:			MSG	08-04-2000		.xx	±.03	TITLE OUTLINE - TENV			SCALE	9=3	2
2	A-SS	A-SS68726LN CN 29200-179				.xxx	±.005	180U FR 140FR. EXT CAST	C'BC	X	REF							
1	NEW I	DRAWING				MU3162	20	BJW	06-26-2000		.xxxx	±.0005	MAT'L.			FMF		
NO).		ı	REVISION				Β١	/ & DATE	снк	ANG	±7'30"	FINISH			PREV		
		AWING IN DESIGNATION								RFP			CAD FILE SS68737LN	SIZE	DRAWING NO			REV.
		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT			DIST	LB			Α	SS6	88737	_N	3					

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2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CONN. DIAGRAM: A-EE7300-LN

OUTLINE: A-SS68737LN-575 CATALOG #: LM21378

WINDING #: K1824131 1 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1770	182U	TENV	L	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	460	1.5	ACROSS THE LINE	CONTINUOUS	F3	1.0	65

FULL LOAD EFF:	87.5	3/4 LOAD EFF:	86.5	1/2 LOAD EFF:	84	GTD, EFF	ELEC. TYPE
FULL LOAD PF:	75	3/4 LOAD PF:	67	1/2 LOAD PF:	55	85.5	SQ CAGE IND RUN

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORQUE		
3 LB-FT	12.5	7	LB-FT	233 %	12.5	LB-FT	417 %	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.22 LB-FT^2	0 LB-FT^2	30 SEC.	0	55 LBS.

*** SUPPLEMENTAL INFORMATION ***

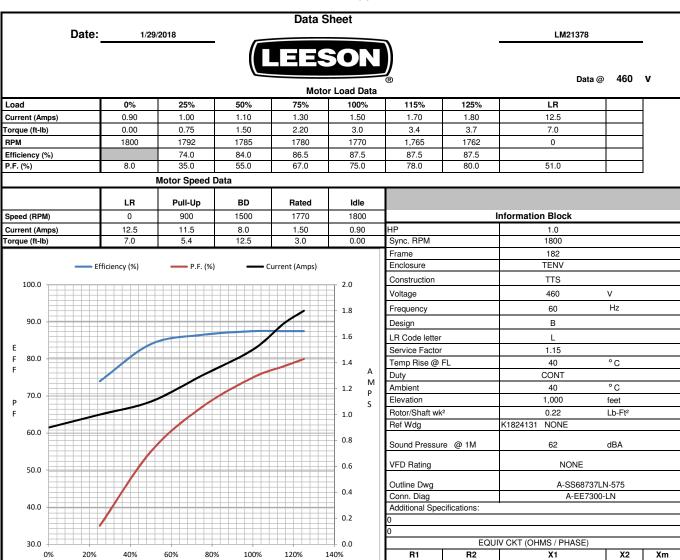
DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

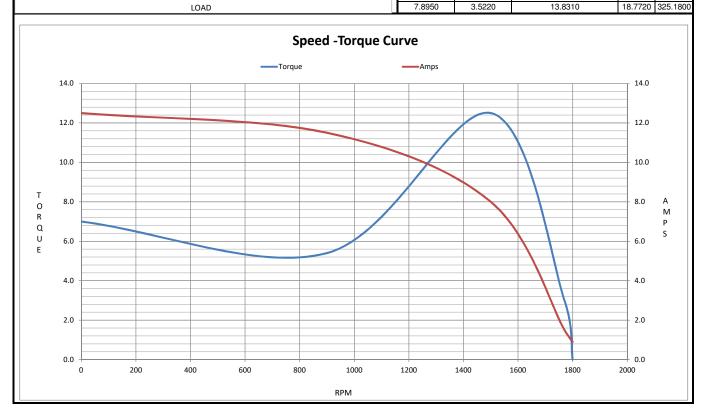
BEAR	INGS	GREASE	SHAFT TYPE SPECIAL DE		SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TIPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	1.1	NONE	NONE	1144 CTRECCRROOF (C 222)	CACT IDON	
206	205	POLYREX EM	U	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON	

	THERMO-PROTE	CTORS	THERMISTORS	CONTROL	CDACE HEATEDS	
THERMOSTATS	PROTECTORS	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE PPR
т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE
S	FT-LB V 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: LM21378

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

Catalog No: LM21378

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:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

(€ 22