PRODUCT INFORMATION PACKET

Model No: LM20029 Catalog No: LM20029 Automotive Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 286U Frame, TEFC



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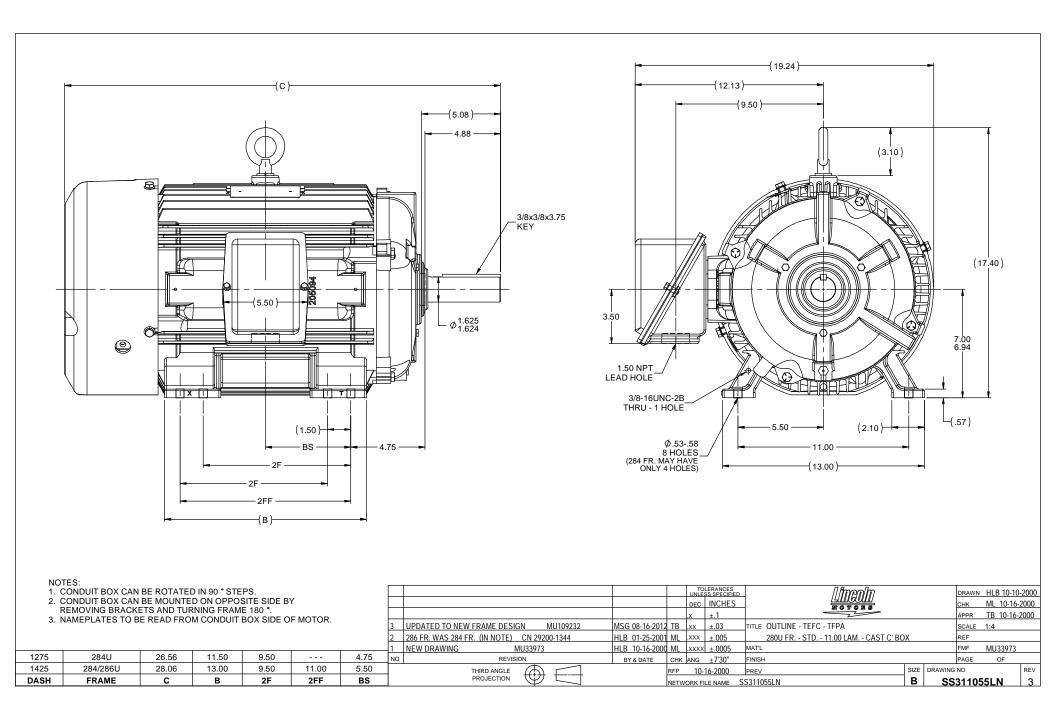
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	460 V
Current	24.1 A	Speed	1775 rpm
Service Factor	1	Phase	3
Efficiency	93 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	286U	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	65 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
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	Cast Iron
Shaft Type	U	Overall Length	28.06 in
Frame Length	14.25 in	Shaft Diameter	1.625 in
Shaft Extension	4.88 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS311055LN-1425	Connection Drawing	EE7300

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

CONN. DIAGRAM: A-EE7300-LN

OUTLINE: B-SS311055LN-1425

WINDING #: K2564164 R15 2

CATALOG # : LM20029

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1800	1775	286U	TEFC	G	В
					1		

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	460	24.1	ACROSS THE LINE	CONTINUOUS	F3	1.0	65

FULL LOAD EFF: 93	3/4 LOAD EF	F: 93.6	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 84	3/4 LOAD P	F: 81	1/2 LOAD PF:	72	91.7	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.2 LB-FT	138	104 LB-FT 176 %	146 LB-FT 247 %	55

	PRESSURE 3 FT.	SOUND	POWER	ROTO	DR WK^2	мах	(. WK^2	SAFE ST	TALL TIME	STARTS / HOUR	АРР МОТО	ROX. R WGT
65	dBA	75	dBA	3.2	LB-FT^2	125	LB-FT^2	25	SEC.	2	525	LBS.

***** SUPPLEMENTAL INFORMATION *****

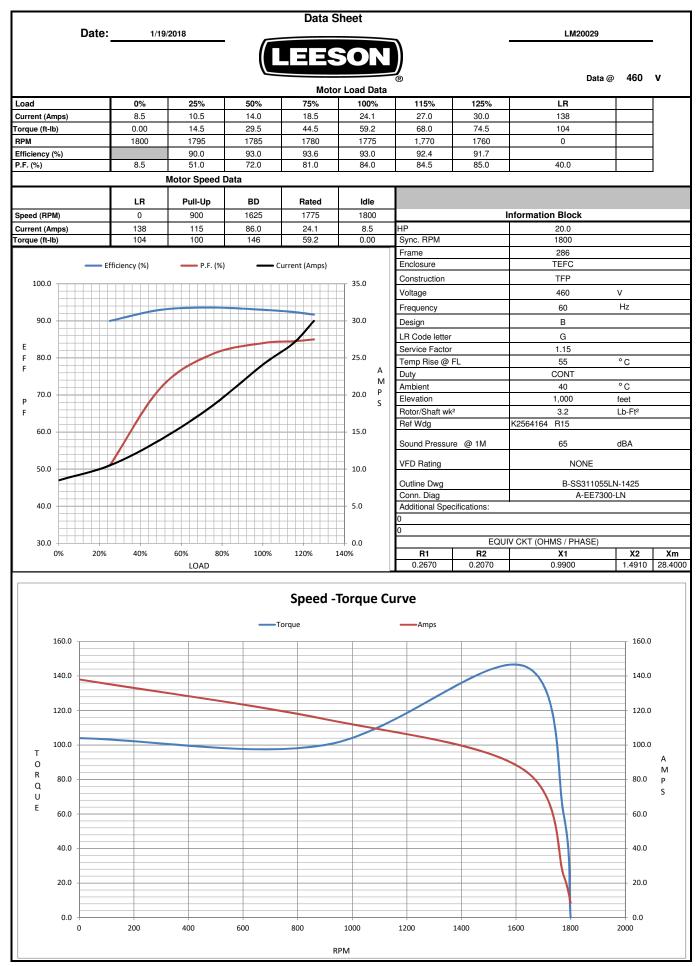
DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEAR	RINGS	CREACE	SHAFT TYPE	SPECIAL DE		SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	
BALL	BALL			NONE	NONE		CAST IRON
311	POLYREX EM		U	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

	THERMO-PROTE	CTORS	TUERMICTORS	CONTROL		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE Volts
*				INVERTER TORQUE: INV. HP SPEED RANG		
Ν				ENCODER: NONE		
0				NONE NONE NONE	PPR	
т				BRAKE: NONE	NONE	
E				NONE P/N NO NONE NONE		
s			l	NONE FT-LB NO	ONE V	NONE Hz

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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 : LM20029

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

Catalog No : LM20029

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

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer