

PRODUCT INFORMATION PACKET



Model No: LM33567

Catalog No: LM33567

General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 1200 & 1000 RPM,
182TC Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 380-415 V
Speed	1175 & 985 rpm	Service Factor	1.25 & 1.15
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	5.2/2.6 & 2.6-2.7 A	Power Factor	62
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Overall Length	14.97 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	036116LN-950	Connection Drawing	005010.01LN



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01LN

CAT #: LM33567

OUTLINE: 036116LN-950

WINDING: T8636

FL 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	1200	1175	182TC	TEFC	TFL	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#380-415	5.2/2.6&2.6-2.7	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	87.5	3/4 LD EFF	86.0	1/2 LD EFF	83.0	GTD EFF		ELECT. TYPE	
F.L. PF	62.0	3/4 LD PF	55.0	1/2 LD PF	43.0	85.5		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
6.7 LB-FT	15.2	11.0 LB-FT 164%	22.5 LB-FT 336%	35	

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 dBA	9 dBA		0.56 LB-FT²	0 LB-FT²	10 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ALUMINUM
6206 6205						

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	0	0	0	0	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
		ENCODER: NONE NONE NONE
		BRAKE: NONE NONE NONE
		FT-LB: NA VOLTAGE: NONE
		UL: V-INS, CONST UL REC
DATE:	9/11/2018	

Data Sheet

Date: 9/11/2018

LM33567



Data @ 460 V

Motor Load Data

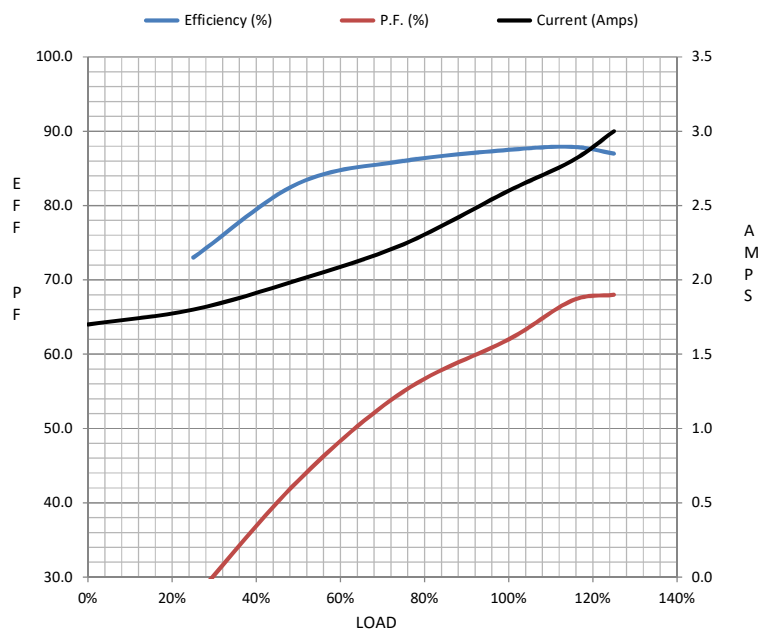
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.80	2.00	2.24	2.60	2.80	3.0	15.2	
Torque (ft-lb)	0.00	1.65	3.3	5.0	6.7	7.8	8.5	11.0	
RPM	1200	1195	1190	1185	1175	1,175	1170	0	
Efficiency (%)		73.0	83.0	86.0	87.5	87.9	87.0		
P.F. (%)	8.0	27.0	43.0	55.0	62.0	67.2	68.0	38.0	

Motor Speed Data

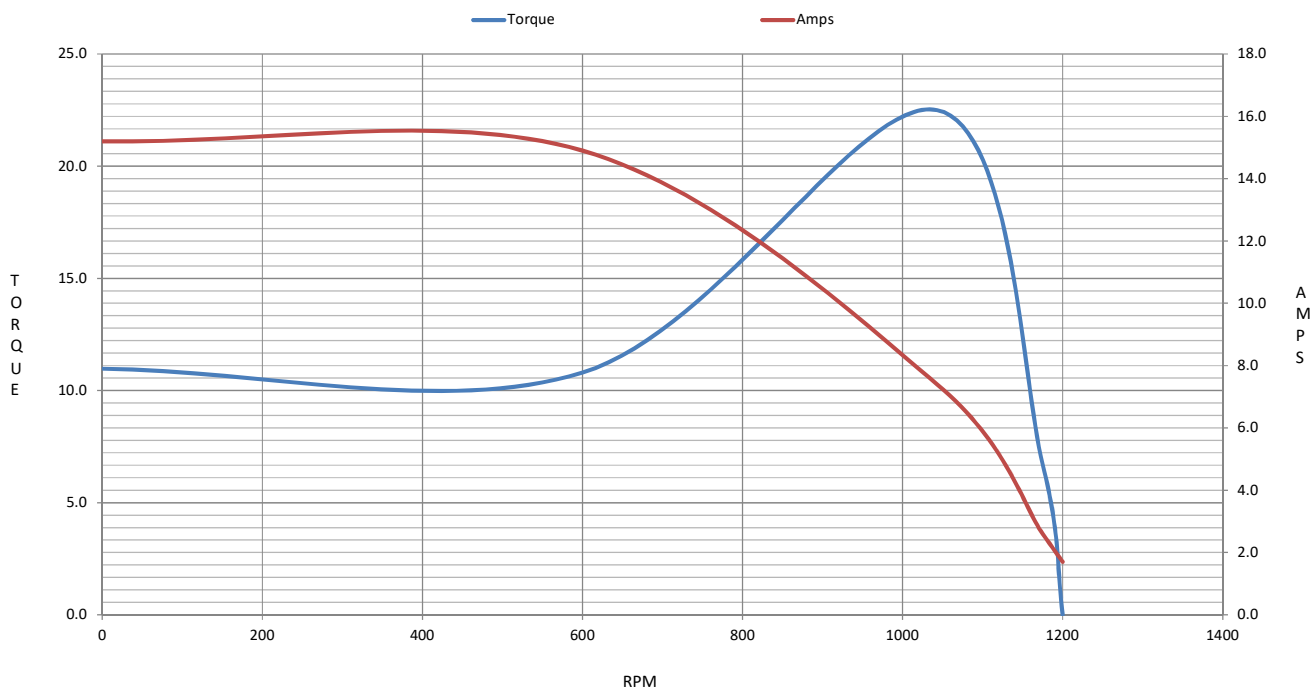
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1043	1175	1200
Current (Amps)	15.2	14.9	7.4	2.60	1.70
Torque (ft-lb)	11.0	10.8	22.5	6.7	0.00

Information Block

HP	1.5			
Sync. RPM	1200			
Frame	180			
Enclosure	TEFC			
Construction	TFL			
Voltage	230/460#380-415	V		
Frequency	60	Hz		
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	35	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.56	Lb-Ft²		
Ref Wdg	T8636 FL			
Sound Pressure @ 1M	0	dBA		
VFD Rating	NONE			
Outline Dwg	036116LN-950			
Conn. Diag	005010.01LN			
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 : LM33567

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

Catalog No : LM33567

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