

PRODUCT INFORMATION PACKET



Model No: LM31826

Catalog No: LM31826

General Purpose Motor, 200 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380-415 V, 1800 & 1500 RPM,
445TSC Frame, TEFC

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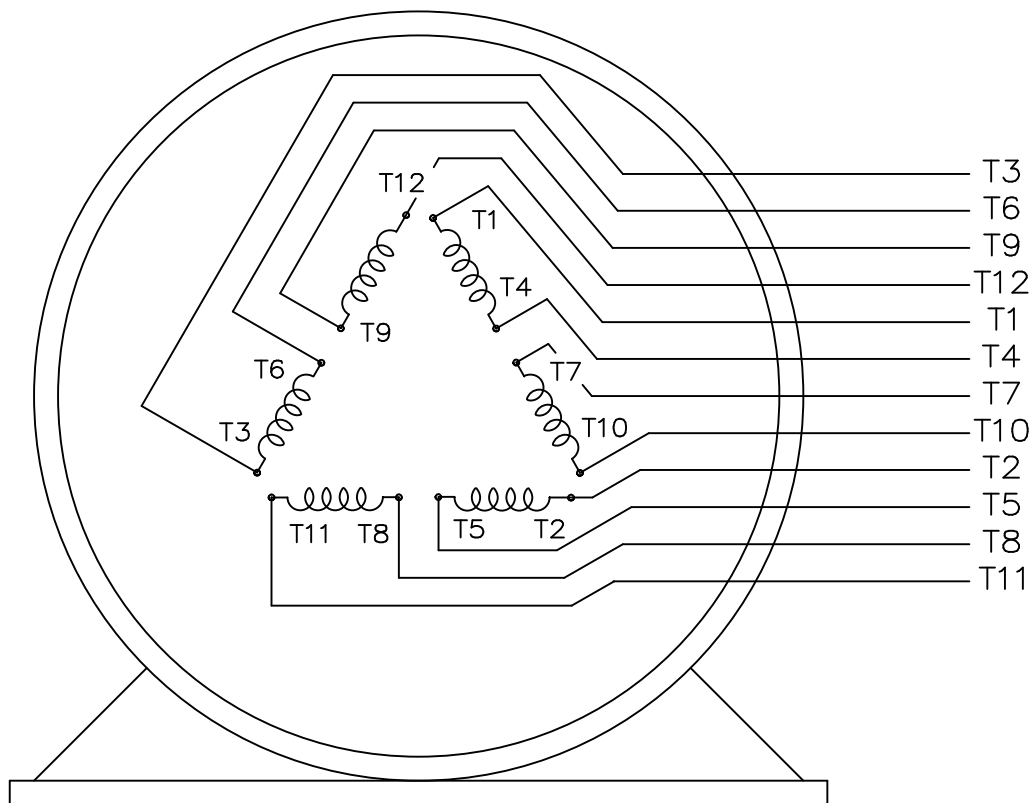
Nameplate Specifications

Phase	3	Output HP	200 & 200 Hp
Output KW	149.0 & 149.0 kW	Voltage	460 & 380-415 V
Speed	1788 & 1487 rpm	Service Factor	1.15 & 1.0
Frame	445TSC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	96.2 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	227 & 273-252 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

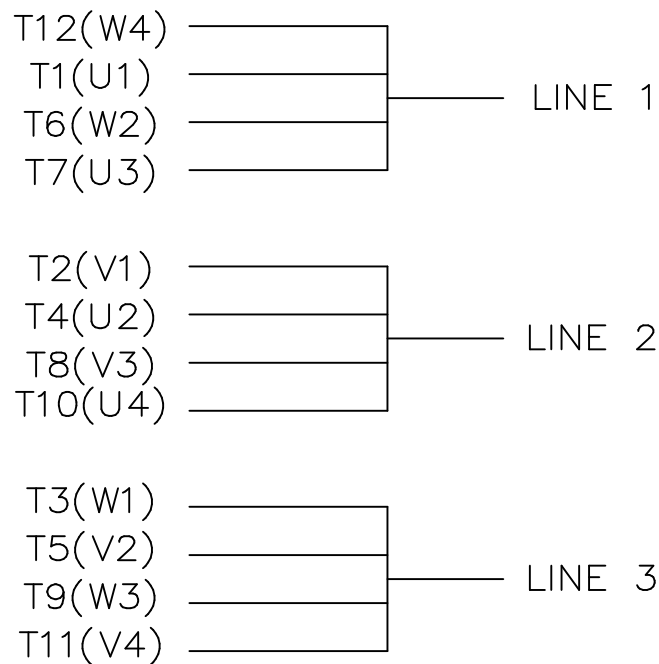
Technical Specifications


Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.0117 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Shaft Diameter	2.375 in
Assembly/Box Mounting	F2/F1 CAPABLE		
Outline Drawing	XK2F1SC2-2317	Connection Drawing	A-EE7300BH-LN

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VIEW OF TERMINAL END



				TOLERANCES UNLESS SPECIFIED			DRAWN KL 04-23-2002			
				DEC.	INCHES		CHK DJK 04-24-2002			
				.X	±.1		APPD EAB 04-24-2002			
				.XX	±.01		SCALE 1=1			
2	ADDED IEC TERMINAL MARKINGS CN 41429	JJB 05/24/2004	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM – EXTERNAL 12 LEAD – SINGLE VOLTAGE	REF			
1	NEW DRAWING MU41562	KL 04-12-02		.XXXX	±.0005		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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 ee7300bh_ln			SIZE A	DRAWING NO. EE7300BH-LN	PAGE OF	REV. 2
			DIST WA-SB							

Data Sheet

Date: 8/29/2022

Customer:

Attention:

Submitted by:

LM31826

3D219-8

FAN

Submittal

Data @ 460 V



Motor Load Data

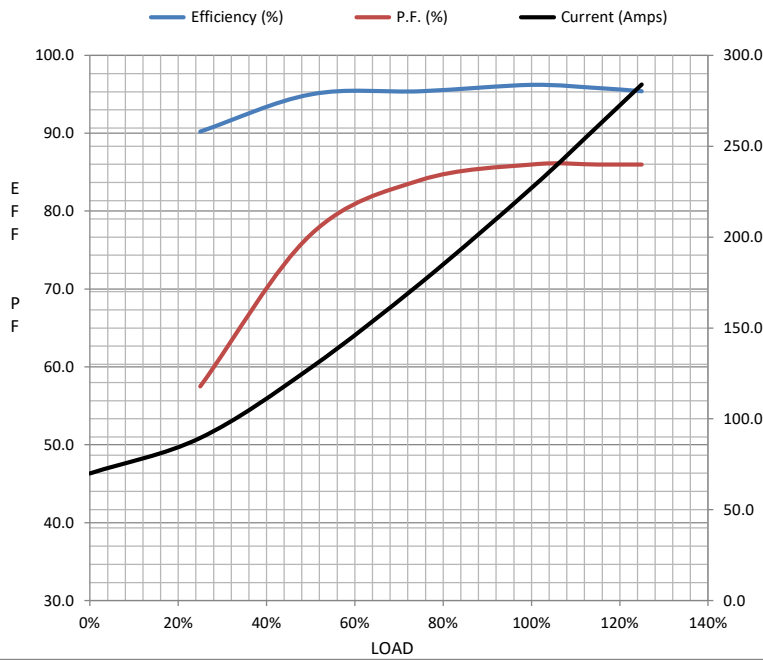
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	70.0	89.5	128	175	227	261	284	1,450	
Torque (ft-lb)	0.00	146	293	440	587	677	736	1,400	
RPM	1800	1797	1795	1790	1788	1,785	1783	0	
Efficiency (%)		90.2	95.0	95.4	96.2	95.8	95.4		
P.F. (%)	5.5	57.5	77.0	84.0	86.0	86.0	86.0	36.0	

Motor Speed Data

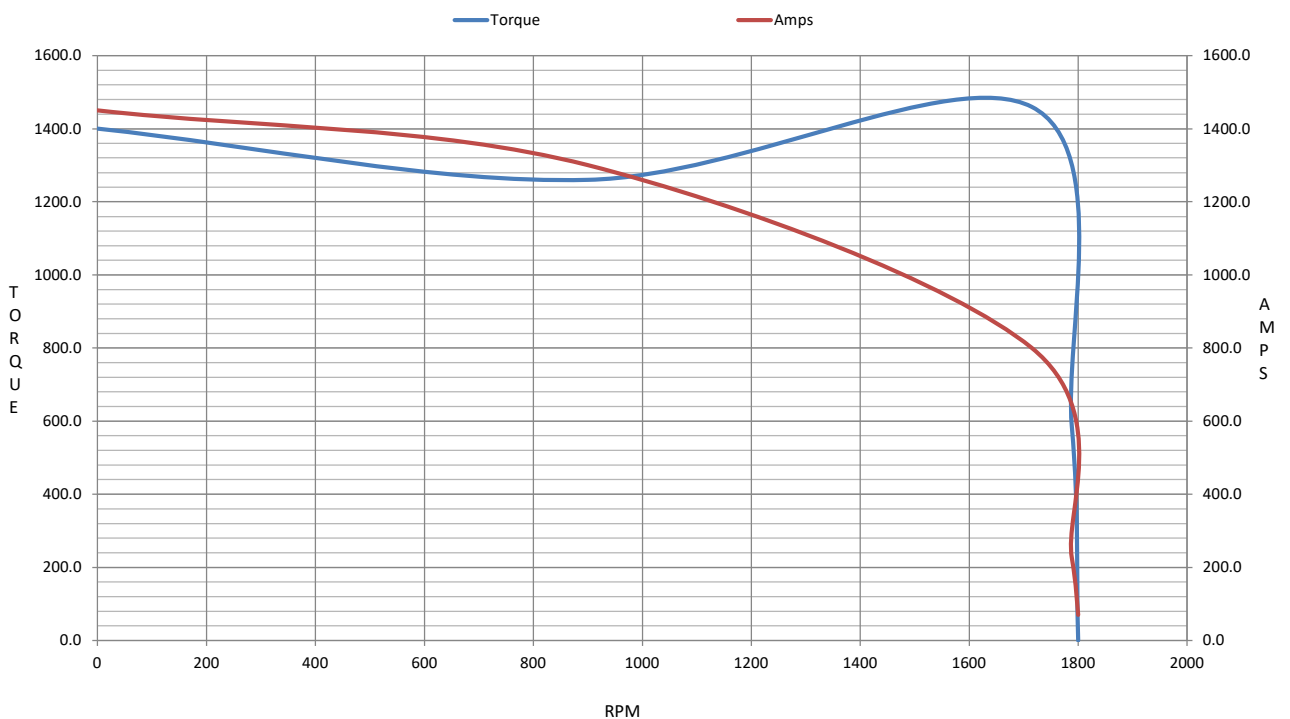
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1788	1800
Current (Amps)	1,450	1,300	800	227	70.0
Torque (ft-lb)	1,400	1,260	1,460	587	0.00

Information Block

HP	200.0			
Sync. RPM	1800			
Frame	445			
Enclosure	TEFC			
Construction	TFR			
Voltage	460#380-415 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk²	57.5 Lb-Ft²			
Ref Wdg	L4454005 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	XK2F1SC2-2317			
Conn. Diag	A-EE7300BH-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0100	0.0060	0.0840	0.1100	2.6040



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 : LM31826

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

Catalog No : LM31826

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

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