PRODUCT INFORMATION PACKET

Model No: LM34006 Catalog No: LM34006 General Purpose Motor, 3 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 213T Frame, TEFC



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Nameplate Specifications

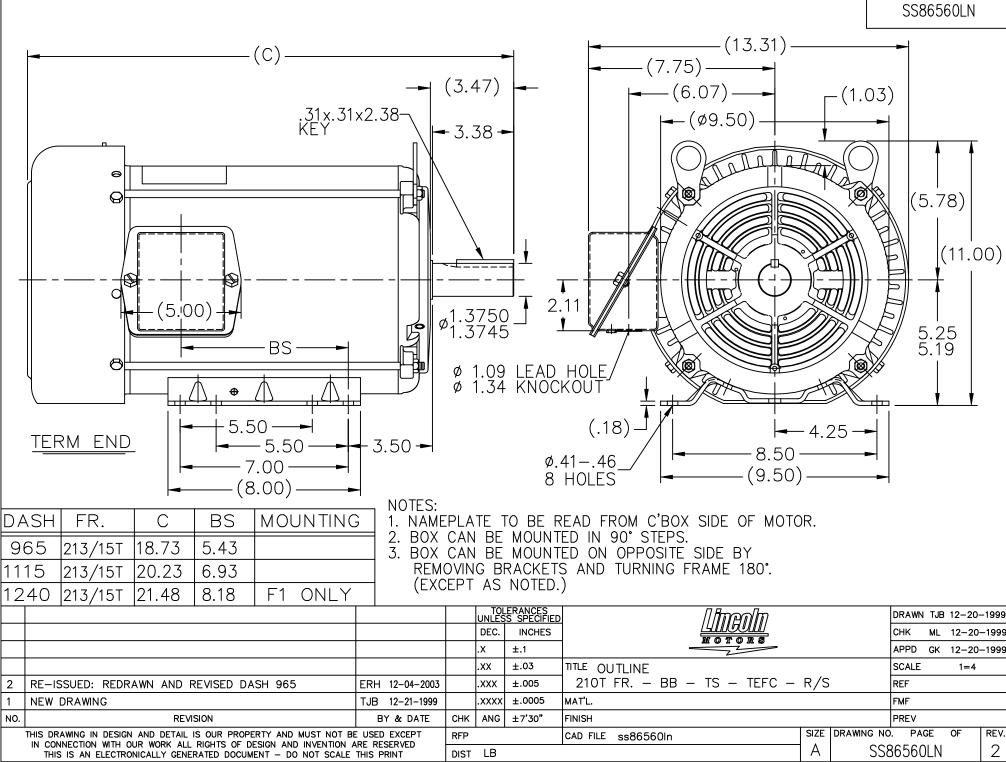
Phase	3	Output HP	3 & 3 Hp
Output KW	2.2 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	1170 & 965 rpm	Service Factor	1.15 & 1.0
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8.8/4.4 & 10/5 A	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	К
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	N
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	2.785 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	18.73 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7308LN	Outline Drawing	SS86560LN-965

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

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	6.0 LR 0 32.0 34.0	81.0 32.0 Motor Speed I Pull-Up 600 28.0 32.0	87.5 49.5 Data BD 1025 20.0 47.5	89. 62. Rate 117 4.4 13.	.5 .0 .0	89.5 70.0 1200 2.50 0.00 6.0 6.0 4.0 A M P S	89.5 73.0 HP Sync. RPM Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²	88.5 75.0	40.0 nformation Block 3.0 1200 213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
	LR 0 32.0 34.0	Motor Speed I Pull-Up 600 28.0 32.0	BD 1025 20.0 47.5	Rate 117 4.4 13.	ed 70 4 .5	Idle 1200 2.50 0.00 - 6.0 - 5.0 - 4.0 A M P S	HP Sync. RPM Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		nformation Block 3.0 1200 213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
	LR 0 32.0 34.0	Pull-Up 600 28.0 32.0	BD 1025 20.0 47.5	117 4.4 13.	70 4 .5	1200 2.50 0.00 - 6.0 - 5.0 - 4.0 A M P S	Sync. RPM Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		3.0 1200 213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
- Efficier	0 32.0 34.0	600 28.0 32.0	1025 20.0 47.5	117 4.4 13.	70 4 .5	1200 2.50 0.00 - 6.0 - 5.0 - 4.0 A M P S	Sync. RPM Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		3.0 1200 213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
- Efficier	0 32.0 34.0	600 28.0 32.0	1025 20.0 47.5	117 4.4 13.	70 4 .5	1200 2.50 0.00 - 6.0 - 5.0 - 4.0 A M P S	Sync. RPM Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		3.0 1200 213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
Efficier	34.0	32.0	47.5	13.	.5	0.00 6.0 - 5.0 - 4.0 A M P S	Sync. RPM Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		1200 213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
Efficier						- 5.0 - 4.0 A P S	Frame Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		213 TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
Efficier	ncy (%)	P.F. (%)		• Current (Ar	mps)	- 5.0 - 4.0 A M P S	Enclosure Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		TEFC TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
		P.F. (%)		• Current (Ar	mps)	- 5.0 - 4.0 A M P S	Construction Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		TFW 230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
						- 5.0 - 4.0 A M P S	Voltage Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		230/460#190/380 60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
						- 4.0 A M P S	Frequency Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		60 B K 1.15 45 CONT 40 1,000 0.80	Hz ° C ° C feet	
						- 4.0 A M P S	Design LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		B K 1.15 45 CONT 40 1,000 0.80	° C ° C feet	
						- 4.0 A M P S	LR Code letter Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		K 1.15 45 CONT 40 1,000 0.80	° C feet	
						M P S	Service Factor Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		1.15 45 CONT 40 1,000 0.80	° C feet	
						M P S	Temp Rise @ F Duty Ambient Elevation Rotor/Shaft wk ²		45 CONT 40 1,000 0.80	° C feet	
						M P S	Duty Ambient Elevation Rotor/Shaft wk ²		CONT 40 1,000 0.80	° C feet	
						M P S	Ambient Elevation Rotor/Shaft wk ²	:	40 1,000 0.80	feet	
						S	Elevation Rotor/Shaft wk ²		1,000 0.80	feet	
								:		Lb-Ft ²	
							Ref Wdg		K213660 R11		
							Sound Pressure	e @ 1M	55	dBA	
						- 2.0	VFD Rating	0	NONE		
							Outline Dwg		SS865	60LN-965	
						- 1.0	Conn. Diag		EE7	7308LN	
							Additional Spec	ifications:			
							0				
						0.0		EQU	V CKT (OHMS / PHASE	i)	
20%	40%	60% 80	100%	120%	. 14	0%	R1	R2	X1	X2	X
		LOAD					1.6270	1.5890	6.7630	7.7850	95.0
				Spe Torque	ed -To	orque C	Amps				
				Torque			/inp5			35.0	
								\rightarrow			
										30.0	
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				60	00	8	00	1000	1200	1400	
				200 400	200 400 6	200 400 600					



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 : LM34006

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

Catalog No : LM34006

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