

PRODUCT INFORMATION PACKET



Model No: LM34006
Catalog No: LM34006
3 HP General Purpose Motor, 3 phase, 1200 RPM, 230/460 V, 213T Frame, TEFC
Three Phase TEFC Motors



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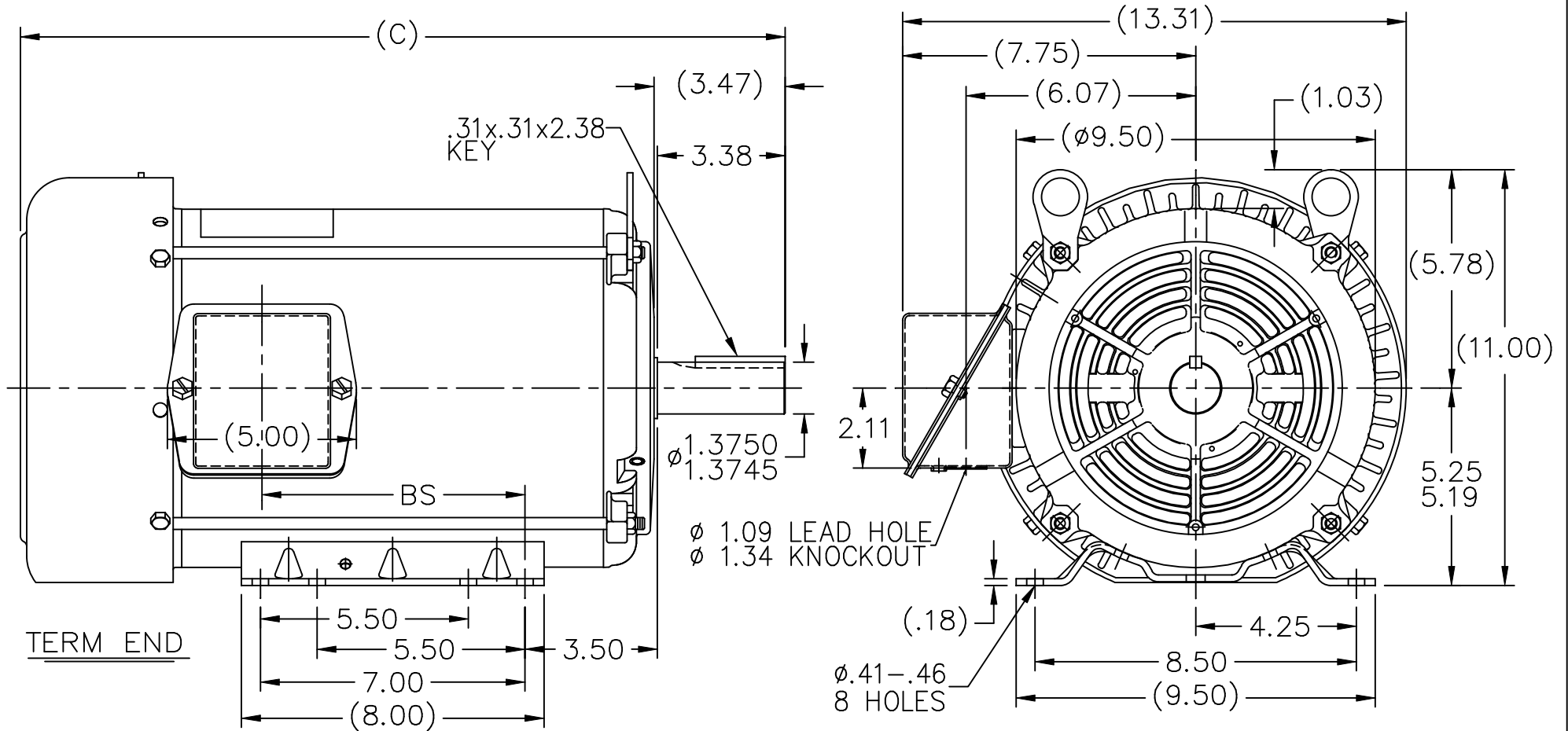
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.8/4.4 A	Speed	1170 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	N
CE	Y	IP Code	43

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	T	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

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TERM END

NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
965	213/15T	18.73	5.43	
1115	213/15T	20.23	6.93	
1240	213/15T	21.48	8.18	F1 ONLY

				TOLERANCES UNLESS SPECIFIED			DRAWN TJB 12-20-1999					
				DEC.	INCHES		CHK	ML	12-20-1999			
				.X	±.1		APPD	GK	12-20-1999	SCALE 1=4		
2	RE-ISSUED: REDRAWN AND REVISED DASH 965	ERH	12-04-2003	.XXX	±.005	TITLE OUTLINE 210T FR. - BB - TS - TEFC - R/S	REF					
1	NEW DRAWING	TJB	12-21-1999	.XXXX	±.0005		MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	ss86560ln	SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB			A	SS86560LN			2



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7308LN
 OUTLINE: SS86560LN-965
 WINDING: K213660

CAT #: LM34006

R11 6

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
3	2.2	1200	1170	213T	TEFC	TFW	K	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	8.8/4.4&10/5	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF	88.5	ELECT. TYPE	
F.L. PF	70.0	3/4 LD PF	62.0	1/2 LD PF	49.5	88.5	SQ CAGE IND RUN		
F.L. TORQUE	LR AMPS @ 460 V	34.0	LB-FT	MAX. LOAD WK ²	252%	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT	
13.5	LB-FT	32.0	34.0	LB-FT ²	90	47.5	LB-FT	352%	F.L. RISE (° C)
PRESSURE @ 3	SOUND	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
55	DBA	64	DBA	0.80	LB-FT ²	25	SEC.	2	150

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTS/SAVER
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE ODE								
BALL BALL	POLYREX EM	T	NONE	NONE	AS1 1045 (C-240)		ROLLED STEEL	
6307	6206							

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
1.627	1.589	6.763	7.785	96.063	0.150	ODE

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

DATE: 9/11/2018	
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Data Sheet

LM34006

Date: 9/11/2018



Data @ 460 V

Motor Load Data

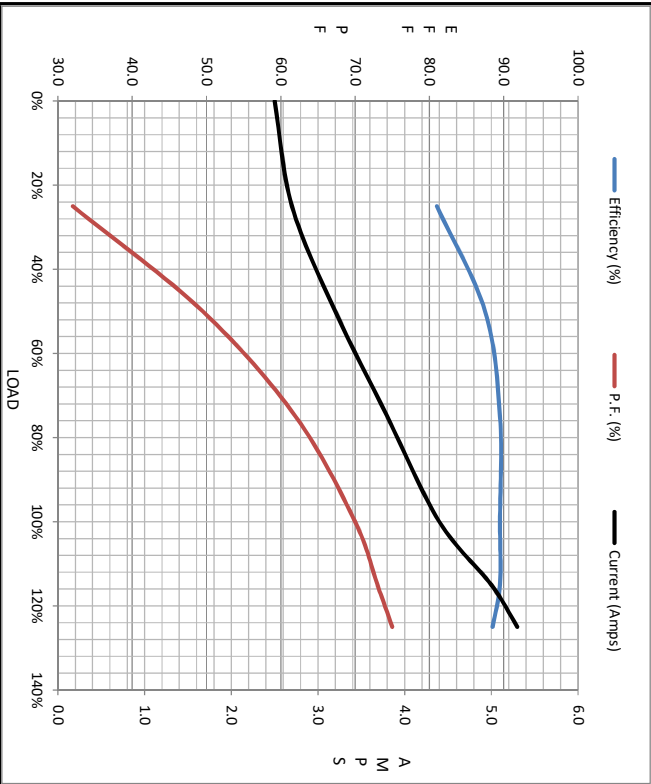
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.50	2.70	3.2	3.8	4.4	5.0	5.3	32.0
Torque (ft-lb)	0.00	3.3	6.7	10.0	13.5	15.5	17.0	34.0
RPM	1200	1194	1186	1180	1170	1168	1166	0
P.F. (%)	6.0	81.0	87.5	89.5	89.5	89.5	88.5	40.0
		32.0	49.5	62.0	70.0	73.0	75.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1025	1170	1200
Current (Amps)	32.0	28.0	20.0	4.4	2.50
Torque (ft-lb)	34.0	32.0	47.5	13.5	0.00

Information Block

HP	3.0			
Sync. RPM	1200			
Frame	213			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/380			
Frequency	60			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.80 Lb-Ft ²			
Ref Wdg	K213660 R11			
Sound Pressure @ 1M	55 dbA			
VFD Rating	NONE			
Outline Dwg	SS96560LN-965			
Conn. Diag	EE7308LN			
Additional Specifications:				
0				
0				
	EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	X2	Xm
1.6270	1.5890	6.7630	7.7850	95.0630



Speed -Torque Curve

