

PRODUCT INFORMATION PACKET



Model No: LM34127
Catalog No: LM34127
125 HP Special Voltage Motor, 3 phase, 1800 RPM, 575 V, 405T Frame, ODP
Special Voltage Motors



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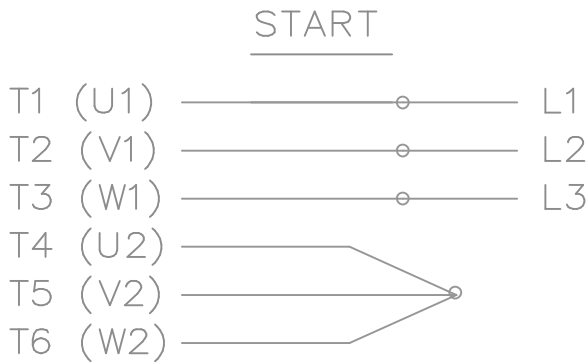
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	575 V
Current	122.0 A	Speed	1783 rpm
Service Factor	1.25	Phase	3
Efficiency	95.4 %	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	405T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6315	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

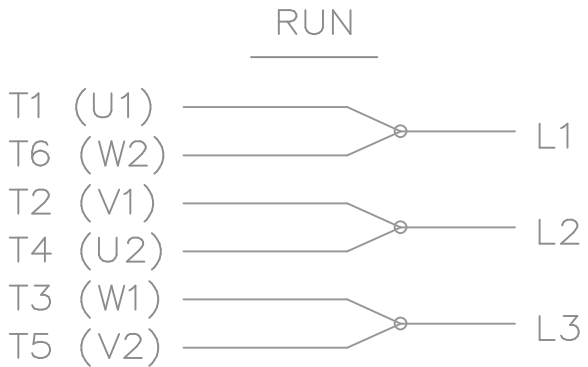
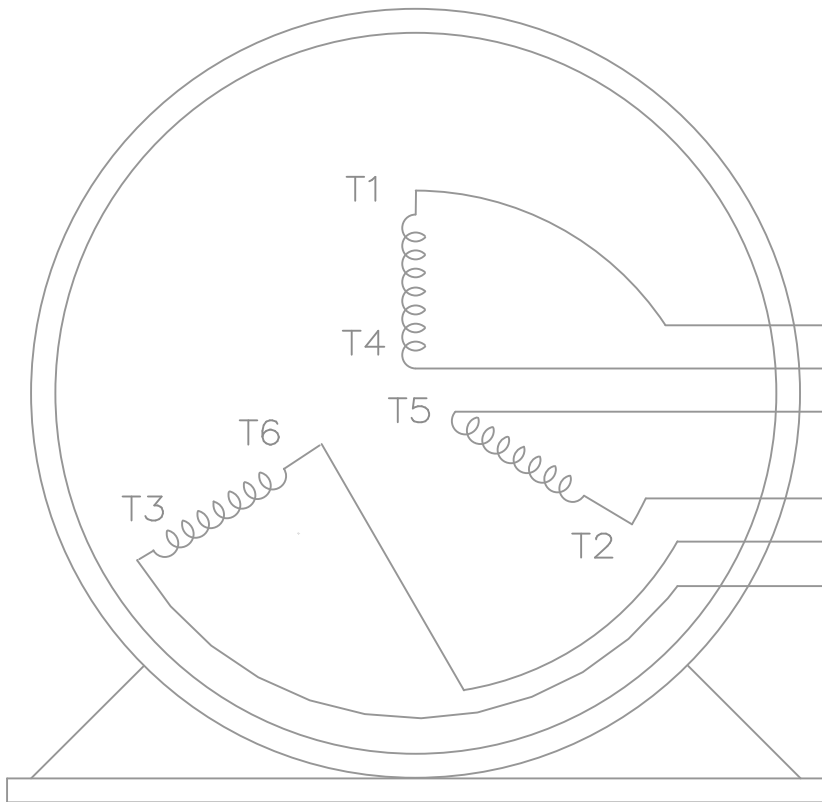
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.039 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	33.31 in
Frame Length	18.85 in	Shaft Diameter	2.875 in
Shaft Extension	7.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	XJ2D1SS1-1885	Connection Drawing	A-EE7340-LN

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THREE PHASE — Y START
 Δ RUN MOTOR



T1 (U1)
 T4 (U2)
 T5 (V2)
 T2 (V1)
 T6 (W2)
 T3 (W1)

T6CK
 T6BM
 T4CC
 T2DL
 T4C

NOTE:
 IEC LEAD MARKINGS ARE NOTED
 IN PARENTHESES

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED						DRAWN BLR 10-04-1999			
				DEC.	INCHES					CHK DRS 10-04-1999			
				.X	±.1					APPD TB 10-04-1999			
3	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-2005	ML	.XX	±.02		TITLE CONNECTION DIAGRAM 3ø – WYE START DELTA RUN					SCALE 1=1	
2	REVISED DRAWING MISTAKE CN 29200-2980	ERH 05-15-2003	ML	.XXX	±.005							REF	
1	NEW DRAWING	BLR 10-09-1999		.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 ee7340_In				SIZE	DRAWING NO.	PAGE OF	REV.
			DIST WA-LB-SB							A	EE7340-LN		3



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM A-EE7340-LN
OUTLINE: XJ2D1SS1-1885
WINDING: L4054043

CAT #: LM34127

NONE 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
125	93	1800	1783	405T	DP	TDR	G	BC

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	122	VVE START DELTA RU	CONT	F	1.15	40	3300

F.L. EFF	95.4	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	ELECT. TYPE
F.L. PF	81.5	3/4 LD PF	77.0	1/2 LD PF	67.0	94.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
368 LB-FT	712	765 LB-FT 208%	780 LB-FT 212%	50

PRESSURE @	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA	23.0 LB-FT ²	0 LB-FT ²	0 SEC.	0	0 LB.

*** 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	GRAY - LINCOLN

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6315 6313						

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
0.046	0.028	0.344	0.365	6.916	0.150	ODE

* N O T E s *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE
		NONE PPR

DATE: 1/31/2018	BRAKE: NONE
	FT-LB: NONE NA
	VOLTAGE: NONE HZ:
	UL: V-INS, CONST UL REC

Data Sheet

Date: 1/31/2018

LM34127



Data @ 575 V

Motor Load Data

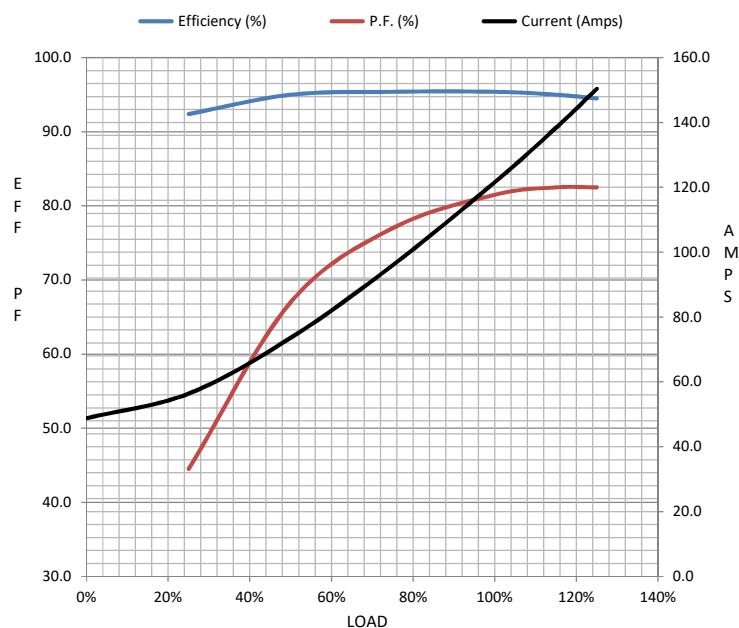
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	48.8	56.4	73.6	96.0	122	138	150	712	
Torque (ft-lb)	0.00	91.5	183	275	368	424	462	765	
RPM	1800	1795	1792	1788	1783	1780	1778	0	
Efficiency (%)		92.4	95.0	95.4	95.4	95.0	94.5		
P.F. (%)	2.5	44.5	67.0	77.0	81.5	82.5	82.5	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1740	1783	1800
Current (Amps)	712	640	372	122	48.8
Torque (ft-lb)	765	650	780	368	0.00

Information Block

HP	125.0			
Sync. RPM	1800			
Frame	405			
Enclosure	DP			
Construction	TDR			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	23.0 Lb-Ft²			
Ref Wdg	L4054043 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	XJ2D1SS1-1885			
Conn. Diag	A-EE7340-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0460	0.0280	0.3440	0.3650	6.9160



Speed - Torque Curve

