

PRODUCT INFORMATION PACKET



Model No: LM34126
Catalog No: LM34126
25 HP Special Voltage Motor, 3 phase, 1800 RPM, 575 V, 284T Frame, ODP
Special Voltage Motors



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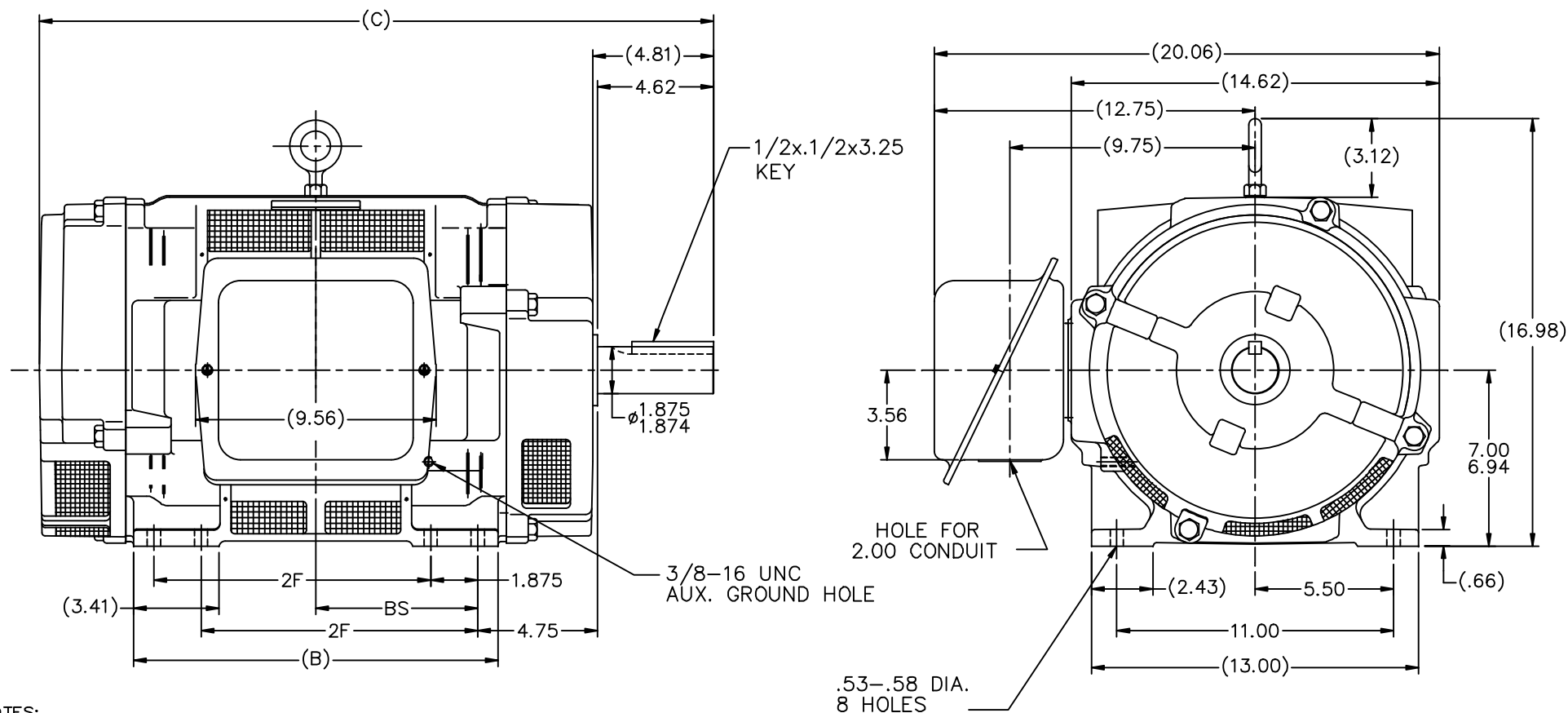
Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	25.6 A	Speed	1775 rpm
Service Factor	1.25	Phase	3
Efficiency	93.6 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	284T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	65 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	24.94 in
Frame Length	13.25 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7340	Outline Drawing	SS207936LN-1325

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NOTES:

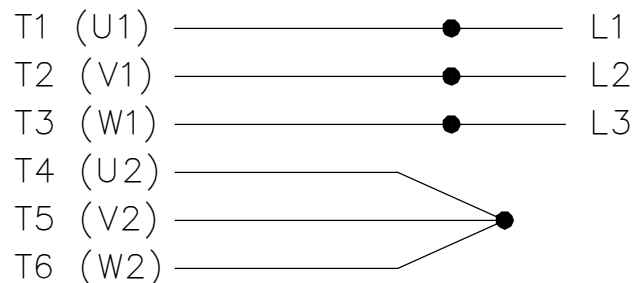
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS
1325	284T	12.63	24.94	9.50	5.50
1512	286T	14.50	26.81	11.00	6.44

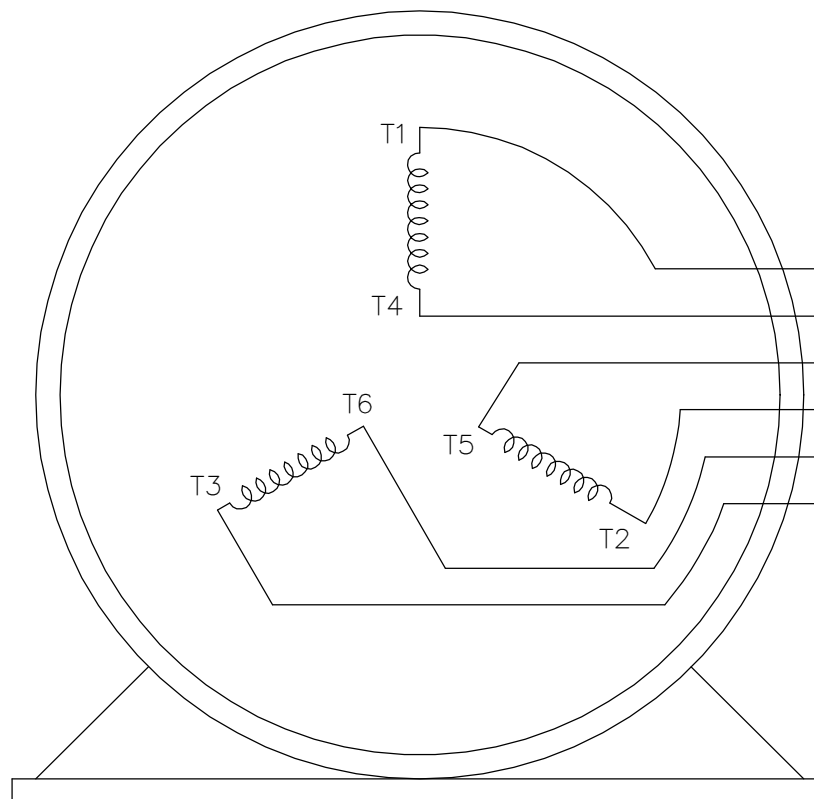
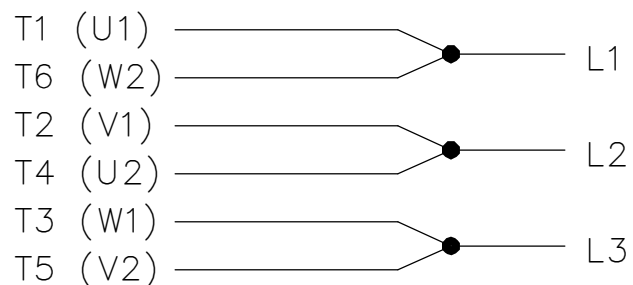
				TOLERANCES UNLESS SPECIFIED		Lincoln Motors	DRAWN KS 12-27-2011			
				DEC.	INCHES		CHK	SJW	12-28-2011	
				.X	±.1		APPD	MJS	12-28-2011	
				.XX	±.02				SCALE	1=4
				.XXX	±.005	TITLE OUTLINE			REF	SS207936
				.XXXX	±.0005	280 FR. - TS - DR.PR. - CAST IRON			FMF	MU82155
						MAT'L			PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH				
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 12-28-2011	CAD FILE SS207936	SIZE B	DRAWING NO. SS207936LN	PAGE OF
						DIST LB				REV.

THREE PHASE
WYE START DELTA RUN

START





RUN



VIEW OF TERMINAL END

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

NOTE:
IEC LEAD MARKINGS ARE NOTED
IN PARANTHESES

DRAWING REVISION F	REVISION BY RTT	REV DATE/© DATE 05-29-2019	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 ° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ 5.1 INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY LZ	 Regal Beloit America, Inc.			
ECO ECO-0167538	APPROVED BY JWA	DATE 05-29-2019		DATE 01-06-1994	DESCRIPTION CONNECTION DIAGRAM 3<MOD-DIAM> - WYE START DELTA RUN			
ECO DESCRIPTION UPDATED TITLE BLOCK COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				APPROVED BY GK				
				DATE 01-18-1994				
				REFERENCE	MATERIAL		PROCESS/FINISH	
				THIRD ANGLE PROJECTION 	SIZE A	DRAWING NUMBER EE7340		SHEET 1 OF 1



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7340

CAT #: LM34126

OUTLINE: B-SS207936LN-1325

WINDING: K2844143

NONE 9

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
25	18.7	1800	1775	284T	DP	TDN	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	25.6	VYE START DELTA RU	CONT	F	1.15	40	3300

F.L. EFF	93.6	3/4 LD EFF	93.6	1/2 LD EFF	92.4	GTD EFF	91.7	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	78.0	3/4 LD PF	72.0	1/2 LD PF	60.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
74.0 LB-FT	146	145 LB-FT 196%	212 LB-FT 286%	45

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
72 dBA	81 dBA	3.9 LB-FT²	0 LB-FT²	20 SEC.	0	390 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	RODENT	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)	CAST IRON
6311 6210						

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
0.24	0.191	1.265	1.532	25.828	0.150	ODE

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

DATE: 1/23/2018	BRAKE: NONE	
	FT-LB: NONE	NONE
	VOLTAGE: NONE	HZ:
	UL: V-INS, CONST UL REC	

Data Sheet

Date: 1/23/2018

LM34126



Data @ 575 V

Motor Load Data

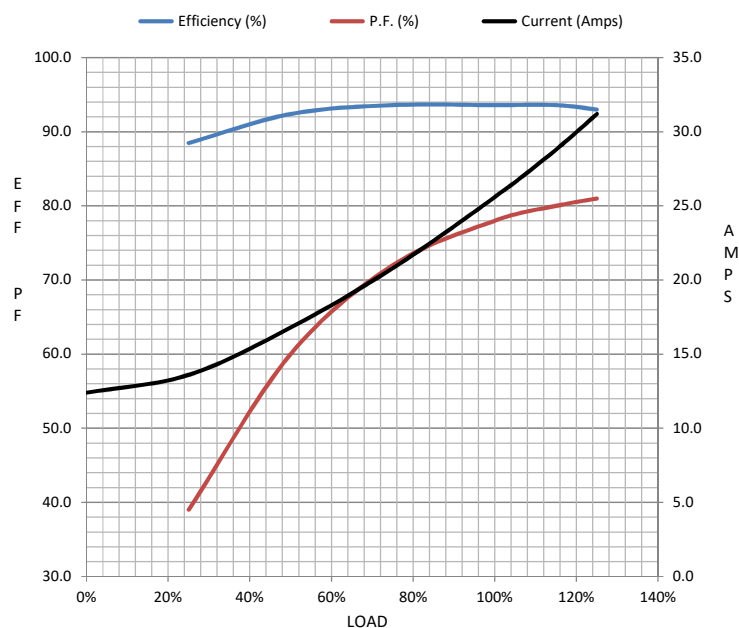
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	12.4	13.6	16.8	20.8	25.6	28.8	31.2	146	
Torque (ft-lb)	0.00	18.5	37.0	55.5	74.0	85.0	93.0	145	
RPM	1800	1795	1788	1782	1775	1770	1765	0	
Efficiency (%)		88.5	92.4	93.6	93.6	93.6	93.0		
P.F. (%)	4.5	39.0	60.0	72.0	78.0	80.0	81.0	32.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1650	1775	1800
Current (Amps)	146	120	96.0	25.6	12.4
Torque (ft-lb)	145	135	212	74.0	0.00

Information Block

HP	25.0			
Sync. RPM	1800			
Frame	284			
Enclosure	DP			
Construction	TDN			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	3.9 Lb-Ft²			
Ref Wdg	K2844143 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS207936LN-1325			
Conn. Diag	A-EE7340			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.2400	0.1910	1.2650	1.5320	25.8280



Speed - Torque Curve

