

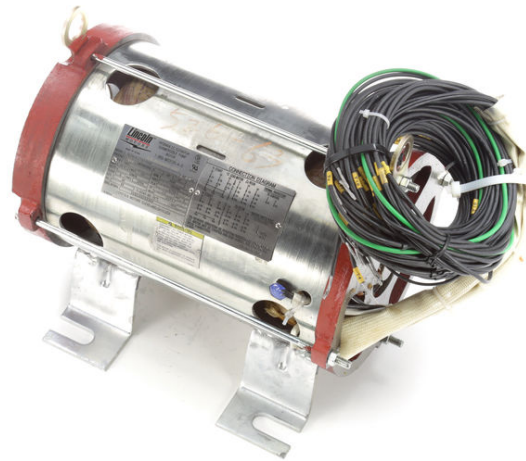
# PRODUCT INFORMATION PACKET



Model No: SD2S25TZY61YEH3

Catalog No: LM29663

25HP..3600RPM.160Z.ODP.230/460V.3PH.60HZ.ELEVATOR.NOT.70C.1.0SF.RIGID..  
Elevator Duty



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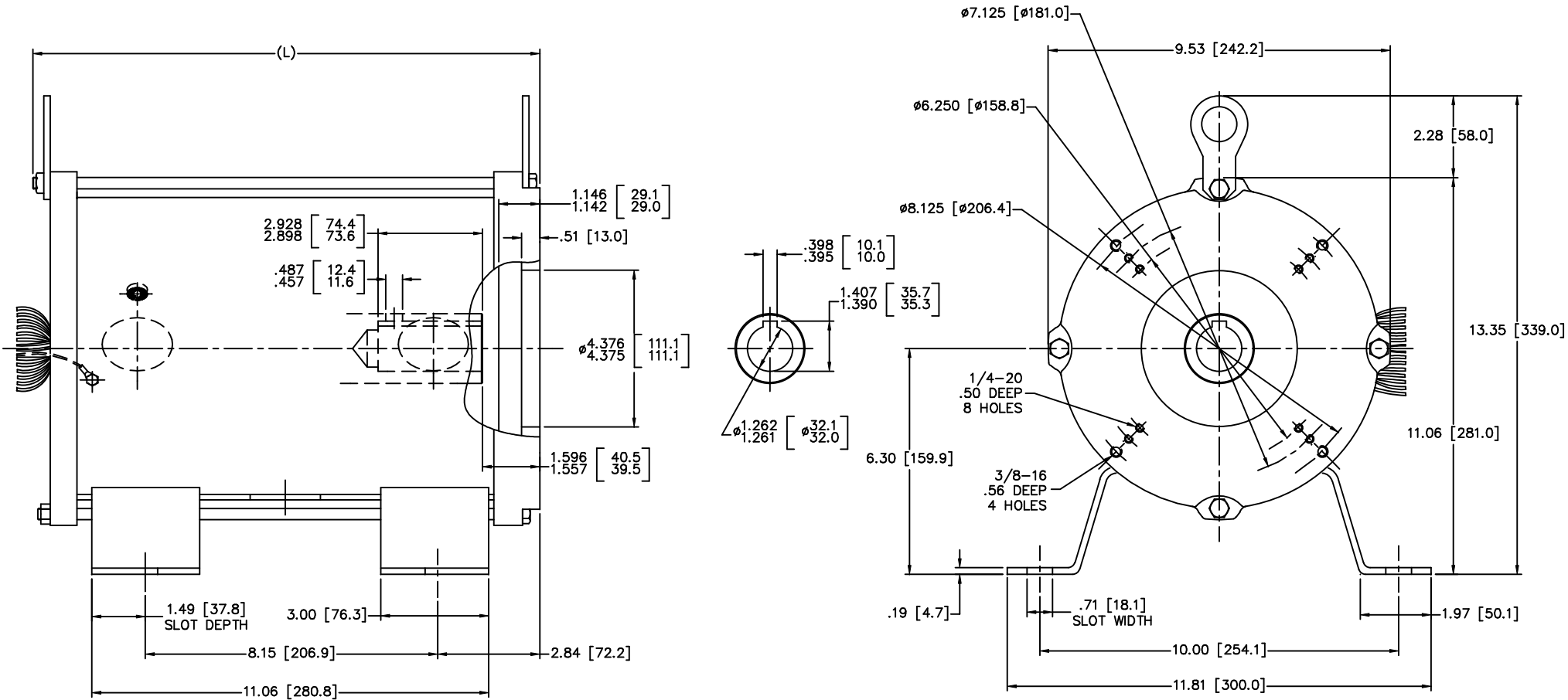


### Nameplate Specifications

Output HP	<b>25 Hp</b>	Output KW	<b>18.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>63.0/31.5 A</b>	Speed	<b>3490 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>80 %</b>	Duty	<b>30 Minute</b>
Insulation Class	<b>F</b>	Design Code	<b>NO DESIGN CODE</b>
KVA Code	<b>G</b>	Frame	<b>160Z</b>
Enclosure	<b>Open Enclosed</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>70 °C</b>	Drive End Bearing Size	<b>6307</b>
Opp Drive End Bearing Size	<b>6307</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>01</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Wye Start Delta Run</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>Single Special Extension</b>
Overall Length	<b>14.53 in</b>	Frame Length	<b>12.00 in</b>
Shaft Diameter	<b>1.250 in</b>	Shaft Extension	<b>2.92 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>0216000039</b>	Connection Diagram	<b>A-93646</b>



TYPE	HP	L
160ZBS-2	15	14.53 [369.0]
160ZBS-2	20	
160ZBS-2	25	
160ZBS-2	30	
160ZBS-2	40	17.87 [454.0]
160ZBS-2	50	

(MAY NOT BE DRAWN TO SCALE)

		TOLERANCES UNLESS SPECIFIED		Lincoln MOTOR		DRAWN MSG 01-25-2007	
		DEC.	INCHES			CHK	ML 01-25-2007
		.X	±.1			APPD	GK 01-25-2007
		.XX	±.03	TITLE OUTLINE - SUBMERSIBLE ELEVATOR PUMP		SCALE	3-8
		.XXX	±.005	160ZBS FR. - 3 PHASE - DUAL DIMENSIONS		REF	
1 UPDATED TO CURRENT STANDARDS		DRS		.XXXX ±.0005		FMF	HEBEI
NO.	REVISION	BY & DATE	CHK	ANG	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 0216000039	SIZE	DRAWING NO. PAGE OF REV.
			DIST			B	0216000039 1





CERTIFICATION DATA SHEET

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

DATA VOLTS: 460

CONN. DIAGRAM: A-93646  
OUTLINE: 0216000039  
WINDING: 2152206

CAT #: LM29663

NONE 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
25	18.7	3600	3515	160M	OPEN	TDR	G	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60	230/460	63/31.5	NYE START DELTA RUN	30 MIN	F	1.15	70	3300			
F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	89.5	77.5	1/2 LD EFF	1/2 LD PF	88.5	65.0	77.0	GTD EFF	ELECT. TYPE
												SO CAGE IND RUN
F.L. TORQUE	LB-FT	LR AMPS @ 460 V	225	60.0	LB-FT	160%	100	LB-FT	267%	0	F.L. RISE (°C)	
PRESSURE @ 3	DBA	POWER	1008	DBA	0.00	LB-FT <sup>2</sup>	0	LB-FT <sup>2</sup>	SAFE STALL TIME	STARTS/HOUR	80	MOTOR WGT
999	999	999	999	999	999	999	999	999	999	999	999	999

\*\*\* 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 DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
BALL BALL NONE	BALL BALL NONE	POLYREX EM	SGL SPL EXT	ELEVATOR MOTOR SH	NONE	SAISI 1045 (C-240)		ROLLED STEEL
THERMOSTATS TSTATS (N/C)	PROTECTORS	NOT	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS	
			NONE	NONE	NONE	FALSE	NA	
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	0.150	FLOAT ODE	
0	0	0	0	0	0	0.150	ODE	

* N O T E S *		INVERTER TORQUE: NONE	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NONE	
		VOLTAGE: NONE	
		HZ: NONE	

DATE: 1/24/2018	UL: VINS, CONST UL REC
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Data Sheet

Date: 1/24/2018

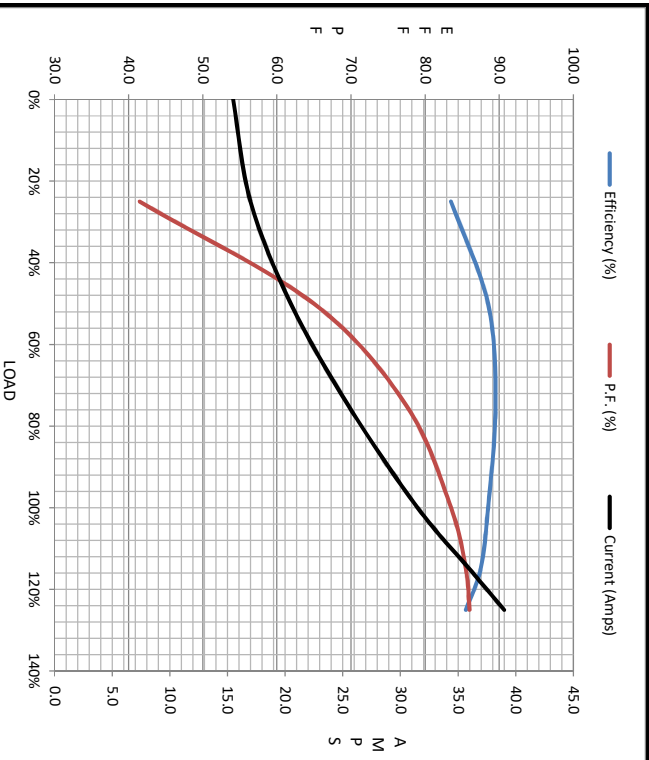
LM29663



Data @ 460 V

Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	15.5	17.0	20.5	25.5	31.5	225
Torque (ft-lb)	0.00	9.0	18.5	28.0	37.5	43.0
RPM	3600	3580	3560	3535	3515	3485
Efficiency (%)		83.5	88.5	89.5	88.5	87.5
P.F. (%)	7.0	41.5	65.0	77.5	83.5	85.5

Motor Speed Data						Information Block																				
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:
0	1800	3000	3515	3600		25.0	3600	160	OPEN	TDR	230/460	60	A	G	1.15	0	30 MIN	40	1,000	0.00	NONE	999	NONE	0216000039	A-93646	
225	200	150	31.5	15.5																						
60.0	55.0	100	37.5	0.00																						



R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

