

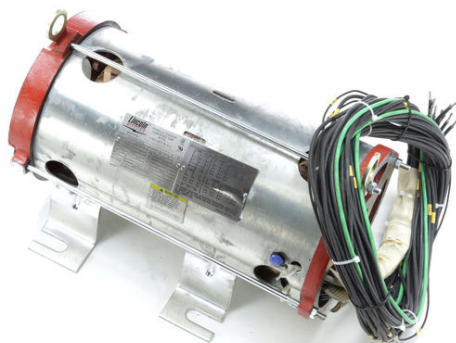
# PRODUCT INFORMATION PACKET



Model No: LM29669

Catalog No: LM29669

Elevator Duty Motor, 40 & 30 HP, 3 Ph, 60 & 60 Hz, 230/460 & 230/460 V, 3600 & 3600 RPM,  
160TZ Frame, OPEN



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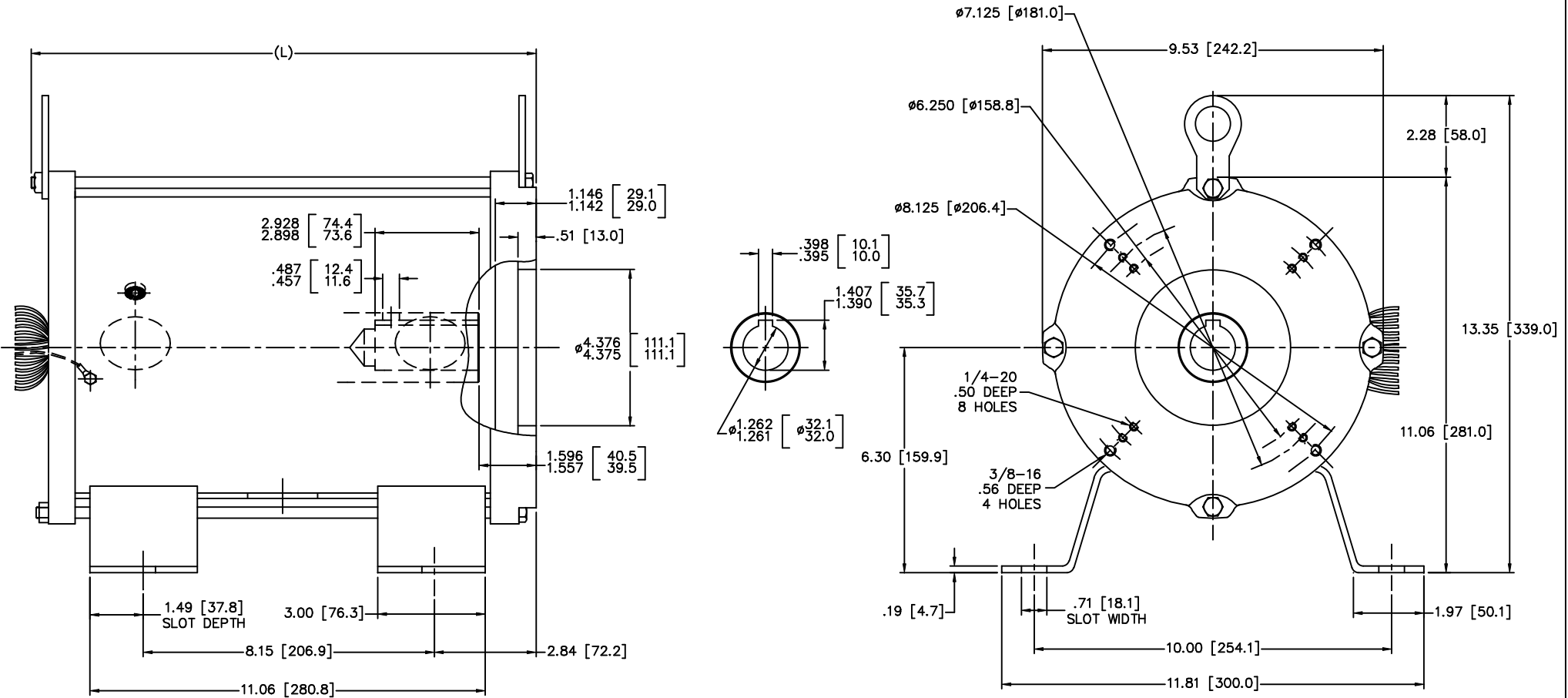


### Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 230/460 V
Speed	3520 & 3540 rpm	Service Factor	1.0
Frame	160TZ	Enclosure	Open Enclosed
Thermal Protection	Thermostat	Efficiency	88.5 & 88.5 %
Ambient Temperature	70 °C	Frequency	60 & 60 Hz
Current	96/48 & 74/37 A	Power Factor	88.4
Duty	120/80 Starts/Hour	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6307
UL	Recognized	CSA	Y
CE	N	IP Code	10
Number of Speeds	1		

### Technical Specifications

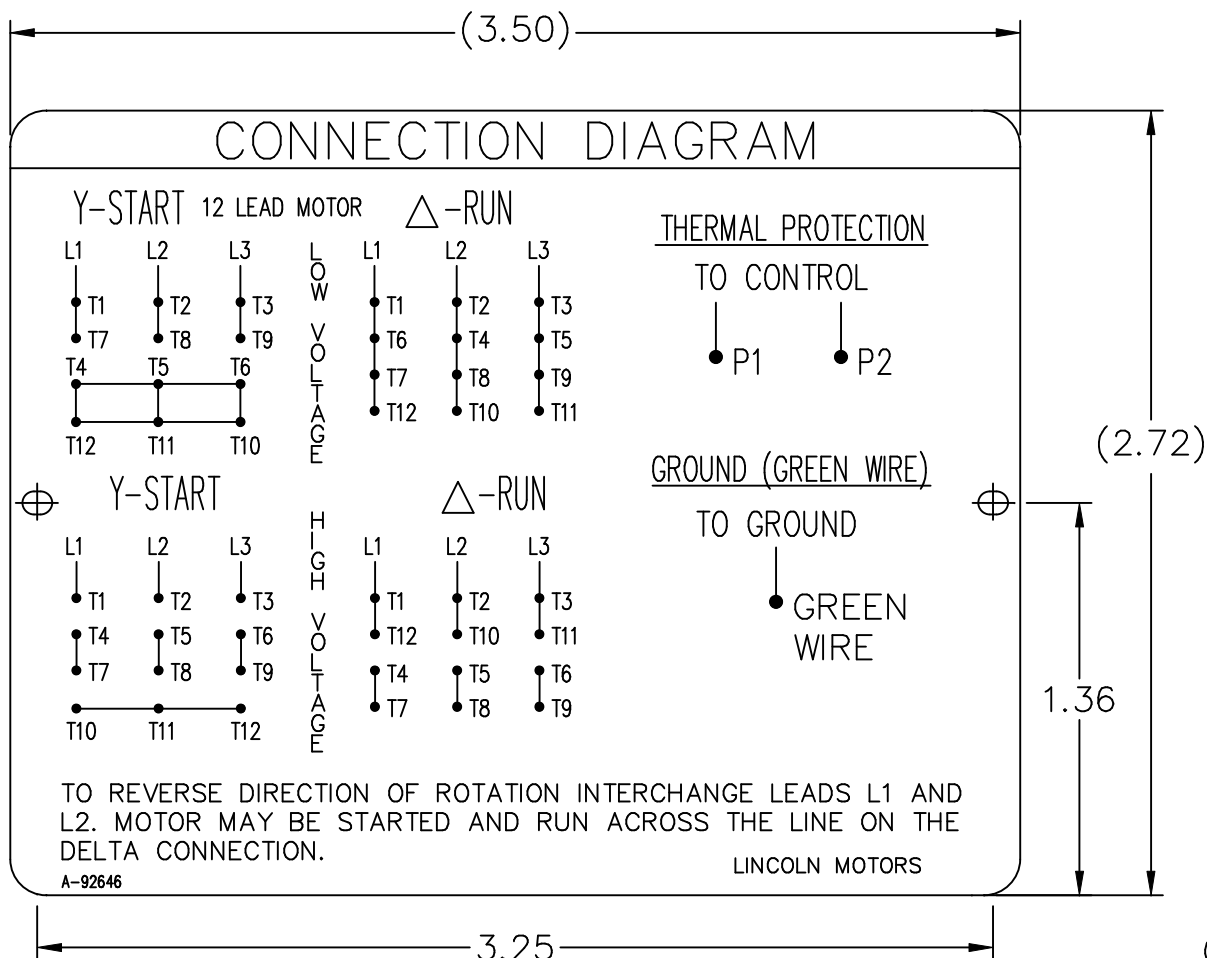
Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	383 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	14.53 in
Frame Length	15.35 in	Shaft Diameter	1.250 in
Shaft Extension	2.92 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	0216000039	Connection Drawing	92646



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	APPD	GK 01-25-2007
		.X	±.1	TITLE OUTLINE - SUBMERSIBLE ELEVATOR PUMP		SCALE 3-8	
		.XX	±.03	160ZBS FR. - 3 PHASE - DUAL DIMENSIONS		REF	
		.XXX	±.005	MAT'L		FMF HEBEI	
		.XXXX	±.0005	FINISH		PREV	
1	UPDATED TO CURRENT STANDARDS	DRS		CHK	ANG ±7'30"	CAD FILE 0216000039	
NO.	REVISION	BY & DATE	RFP	DRAWING NO. PAGE OF		REV.	
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				DIST		B	0216000039 1



**NOTES:**

1. MATERIAL 304 STAINLESS STEEL
2. LETTERING AND ARTWORK BLACK
3. ALL DATA MUST BE HYDRAULIC OIL RESISTANT.

		TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT <i>Motor Technologies Group</i>		DRAWN CTO 02-18-2004	
		DEC.	INCHES			CHK	ML 02-18-2004
		.X	±.1	TITLE CONNECTION DIAGRAM PLATE		APPD	MS 02-18-2004
		.XX	±.02			SCALE	1.5=1
2	NAMEPLATE ONLY FOR 12 LEAD CN292003462	CTO	02-18-2004	.XXX	±.005	REF	
1	REISSUE WITH CORRECT DIAGRAM	CTO	02-16-2004	.XXXX	±.0005	MAT'L.	304 STAINLESS STEEL
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	02-18-2004	CAD FILE	92646
				DIST	WA	SIZE	A
						DRAWING NO.	92646
						PAGE	OF
						REV.	2

Data Sheet

Date: 2/1/2018

LM29669



Data @ **460 V**

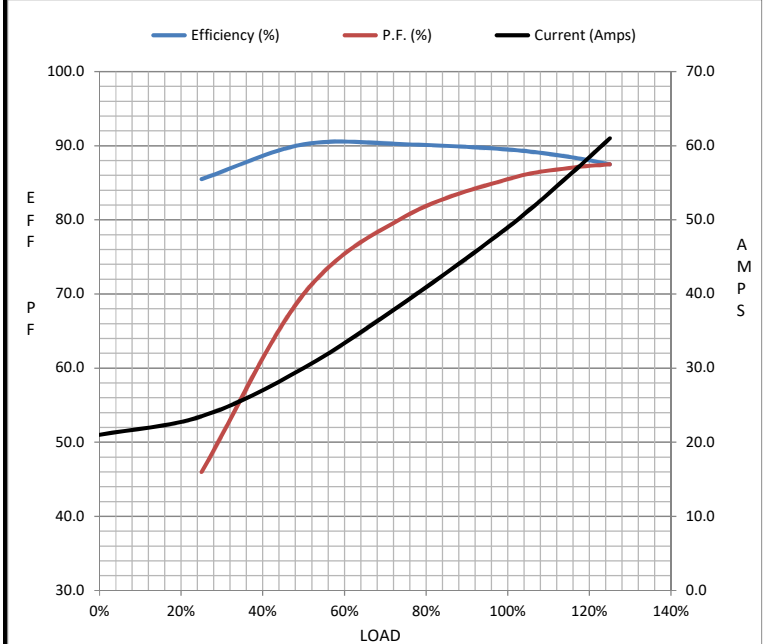
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	21.0	23.5	30.0	39.0	49.0	56.0	61.0	375
Torque (ft-lb)	0.00	14.5	29.5	44.5	60.0	69.0	75.0	125
RPM	3600	3580	3560	3540	3520	3,500	3495	0
Efficiency (%)		85.5	90.2	92.0	89.5	88.5	87.5	
P.F. (%)	6.5	46.0	70.0	80.5	85.5	87.0	87.5	50.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2950	3520	3600
Current (Amps)	375	340	250	49.0	21.0
Torque (ft-lb)	125	115	175	60.0	0.00

Information Block				
HP	40.0			
Sync. RPM	3600			
Frame	160			
Enclosure	OPEN			
Construction	TDR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	30 MIN			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	2152208 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	0216000039			
Conn. Dwg	A-92646			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

