

# PRODUCT INFORMATION PACKET

Model No: LM30676

Catalog No: LM30676

Elevator Duty Motor, 12.50 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 284T Frame, DP



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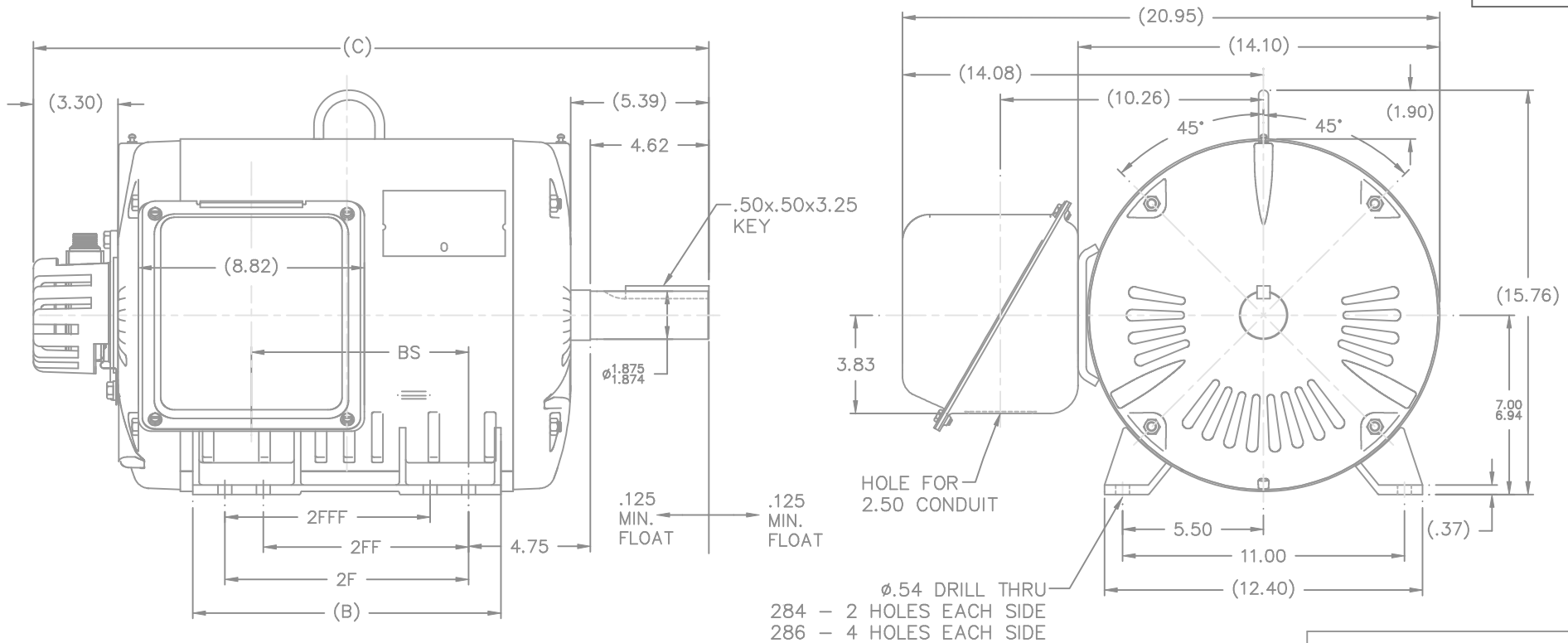
### Nameplate Specifications

Output HP	12.50 Hp	Output KW	9.3 kW
Frequency	60 Hz	Voltage	200 V
Current	47.0 A	Speed	1185 rpm
Service Factor	1	Phase	3
Efficiency	84.4 %	Power Factor	68
Duty	Elevator	Insulation Class	F
Design Code	INV	KVA Code	N
Frame	284T	Enclosure	Drip Proof
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	310	Opp Drive End Bearing Size	209
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.432 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	26.46 in
Frame Length	13.53 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	XF2D1ES33B-1298	Connection Drawing	A-EE7340D-LN

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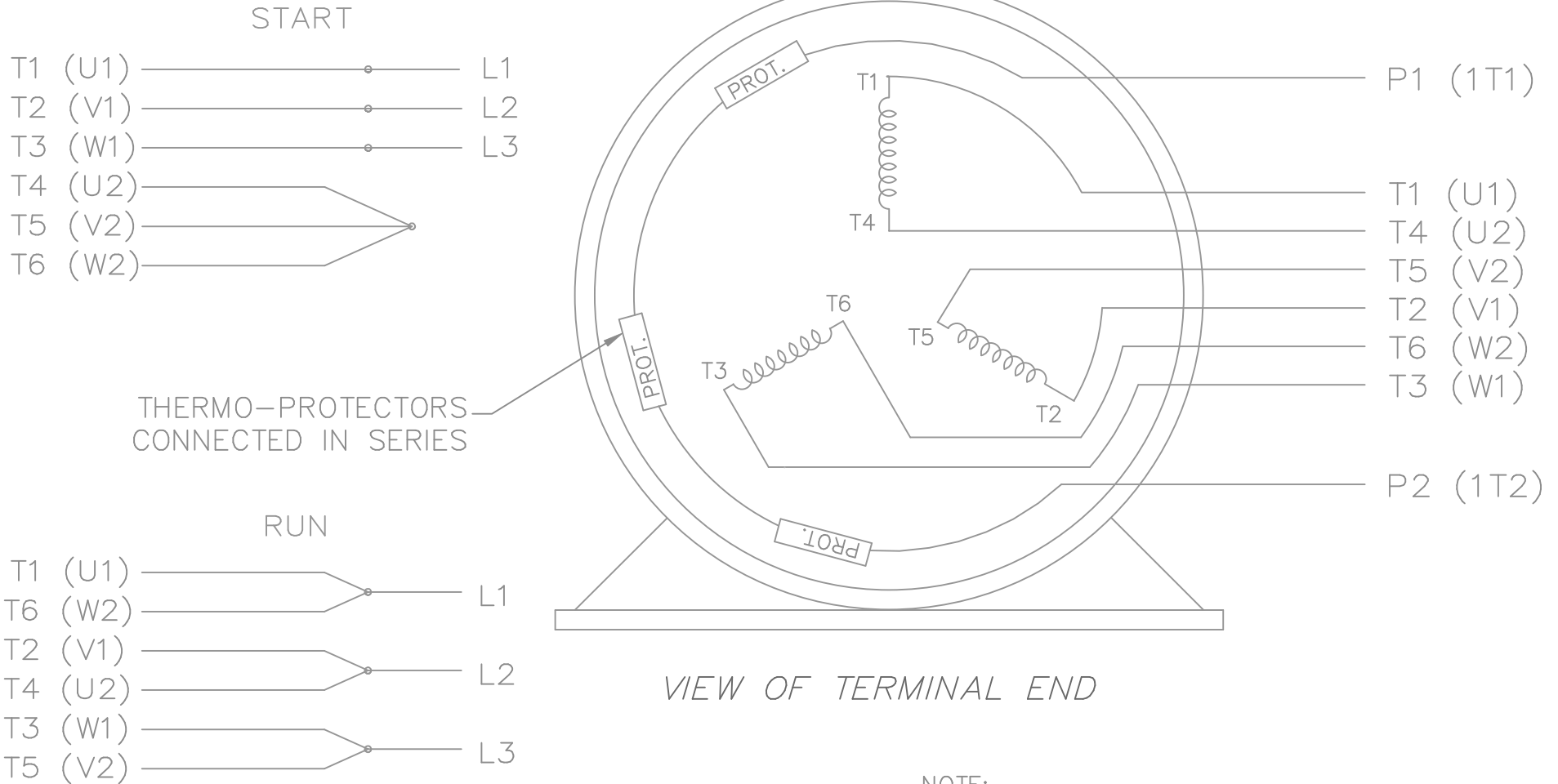


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
  2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	2F	2FF	2FFF	BS
1298	284T	26.46	12.02	9.50	<del>9.50</del>	<del>9.50</del>	8.47
1448	286T	27.96	13.52	11.00	9.50	9.50	9.97

				TOLERANCES UNLESS SPECIFIED		Lincoln MOTORS		DRAWN CTO 11-21-2002			
				DEC.	INCHES			CHK ML 11-21-2002			
				.X	±.1			APPD HNH 11-21-2002			
				.XX	±.02	TITLE OUTLINE W/ ENCODER		SCALE 1=4			
				.XXX	±.005	VVVF ELEVATOR HOIST MOTOR 280T ODP		REF			
				CHK	ANG ±7'30"	FINISH		FMF			
				RFP		CAD FILE xf2d1es33b		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				DIST	BY	SIZE	DRAWING NO.	PAGE	OF	REV.	
						B	XF2D1ES33B			1	


THREE PHASE  
WYE START DELTA RUN



THERMO-PROTECTORS  
CONNECTED IN SERIES

VIEW OF TERMINAL END

NOTE:  
IEC LEAD MARKINGS ARE NOTED IN PARANTHESES

				TOLERANCES UNLESS SPECIFIED			DRAWN KL 11-10-2000			
				DEC.	INCHES		CHK DJK 11-10-2000			
				.X	±.1		APPD DJK 11-10-2000			
				.XX	±.02		SCALE 1=1			
2	ADDED IEC LEAD MARKINGS	MSG 10-08-2008	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM - EXTERNAL - 3φ WYE START DELTA RUN - SINGLE VOLTAGE		REF		
1	NEW DRAWING MU34618	KL 11-10-2000	DJK	.XXXX	±.0005	MAT'L.		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH		PREV		
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				DIST		A	EE7340D_LN		2	



**CERTIFICATION DATA SHEET**

**2100 WASHINGTON ST.  
GRAFTON, WI  
PH. 262-277-8810**

**CUSTOMER:**

**ORDER #:**

**CONN. DIAGRAM:** A-EE7340D-LN

CATALOG : LM30676

**OUTLINE:** XF2D1ES33B-1298

**WINDING #:** 6D284007 4

**MOUNTING:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
12 1/2	9.30	1200	1185	284T	DP	N	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200	47	Y START D RUN OR INV	VERIFY	F4	1.0	40

FULL LOAD EFF:	84.4	3/4 LOAD EFF:	82.5	1/2 LOAD EFF:	77	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	68	3/4 LOAD PF:	59.5	1/2 LOAD PF:	47.5	80		SQ CAGE INV DUTY	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
55.5 LB-FT	391	150 LB-FT 270 %	215 LB-FT 387 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	4.1 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	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
310	209						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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<b>INVERTER TORQUE:</b> CONSTANT 1000:1
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> REGAL SUPPLIED - REGAL MOUNT
DYNAPAR HS35 LINCOLN
MS CONNECTOR 1024 PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
FT-LB NONE V NONE Hz



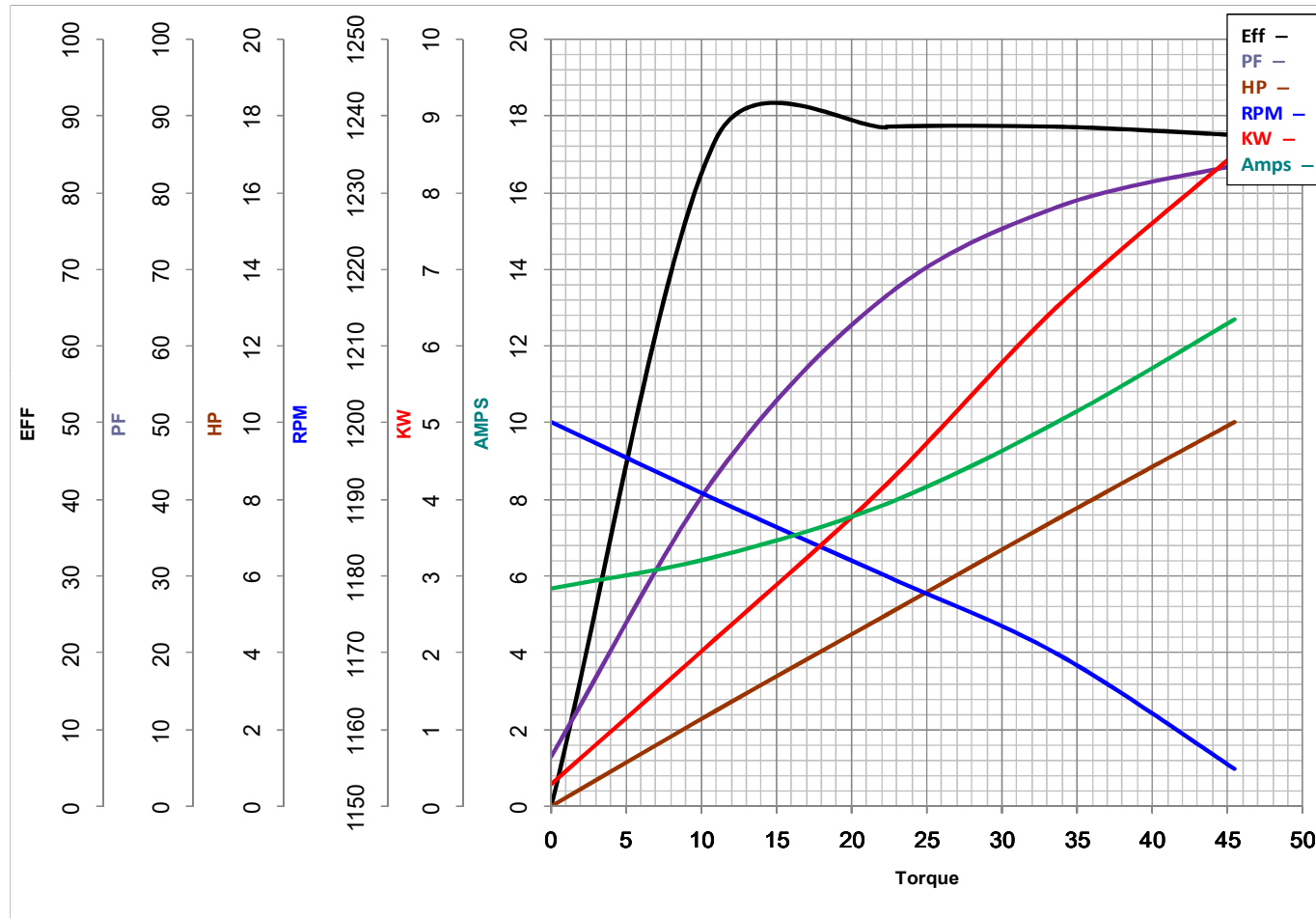
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM28122

Curve at 460 Volts      HP 10.00      PHASE 3  
40 HZ  
10 HP      VOLTS 230/460

Catalog No LM28122AA

HZ 40      RPM 1155



Torque in LB-FT

FL TORQUE	<u>45.5</u>	LB-FT	FL AMPS	<u>25.4/12.7</u>
BD TORQUE	<u>172.1</u>	LB-FT	PU TORQUE	<u>162.7</u> LB-FT
LR TORQUE	<u>180.7</u>	LB-FT	LR AMPS	<u>107.72</u>
WINDING	K2154402-1		Date	10/25/2018