

PRODUCT INFORMATION PACKET

Model No: LM28121

Catalog No: LM28121

Elevator Duty Motor, 10 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 256TC Frame, DP



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Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	200 V
Current	33.5 A	Speed	1160 rpm
Service Factor	1	Phase	3
Efficiency	86.5 %	Power Factor	74
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	256TC	Enclosure	Drip Proof
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

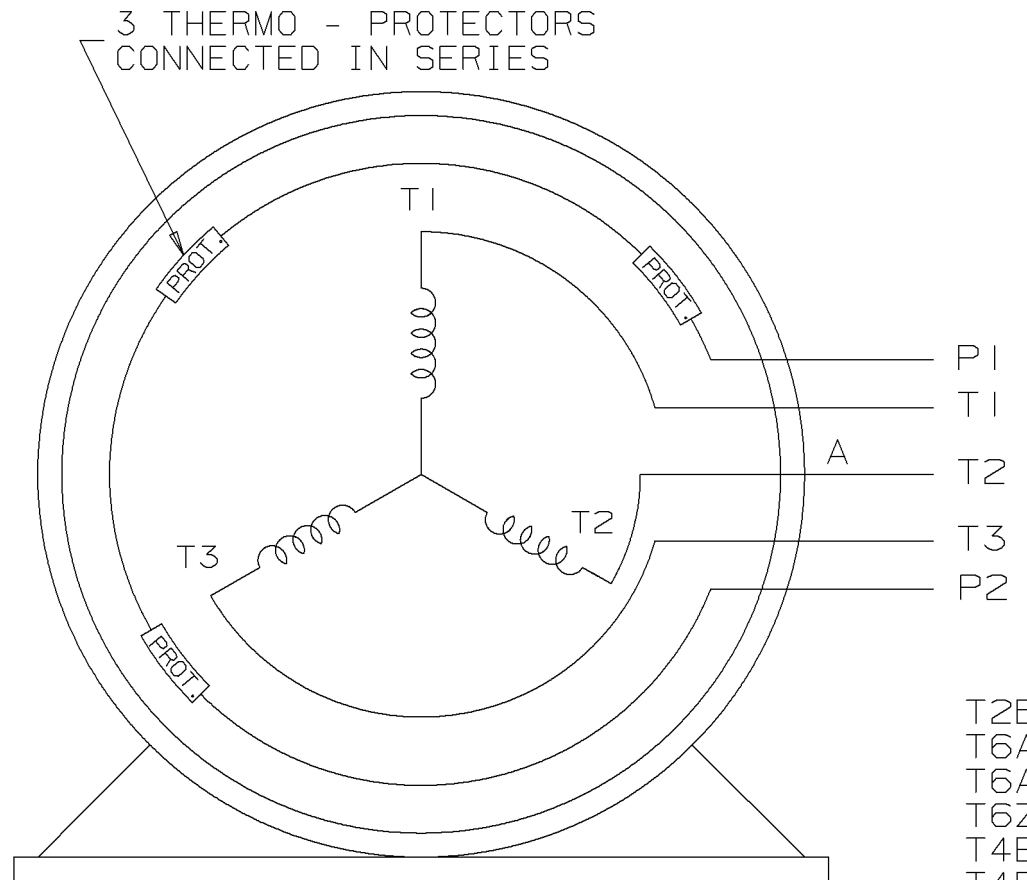
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	1.16 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	27.64 in
Frame Length	15.15 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Connection Drawing	A-EE7300T-LN	Outline Drawing	A-SS89213LN-1515

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

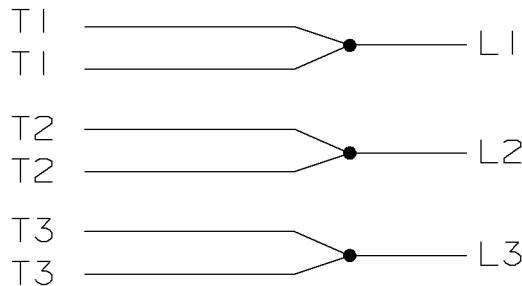
A-EE7300T-LN

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1



IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

- T2BM
- T6AW
- T6AL
- T6Z
- T4EG
- T4BF
- T8A
- T6H
- T6A
- T4AX
- T4A
- T2A
- T2F

VIEW OF TERMINAL END

						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±			
						MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED			DRAWN BY TJB 04-06-2000
						FINISH			CHKD BY ML 04-07-2000
						MATERIAL		APPD BY ET 04-10-2000	
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM SINGLE VOLT - 3Ø MOTOR WITH PROTECTOR				DRWG NO A-EE7300T-LN	
						PURCHASED		CADD FILE NO. EE7300T-LN	



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7300T-LN

CATALOG #: LM28121

OUTLINE: A-SS89213LN-1515

WINDING #: K2156160 2

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1200	1160	256TC	DP	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200	33.5	INVERTER ONLY	CONTINUOUS	F3	1.0	40

FULL LOAD EFF:	86.5	3/4 LOAD EFF:	87.5	1/2 LOAD EFF:	86.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	74	3/4 LOAD PF:	68	1/2 LOAD PF:	55.5	84		SQ CAGE INV DUTY	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
45.3 LB-FT	230	120 LB-FT 265 %	140 LB-FT 309 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
64 dBA	74 dBA	1.3 LB-FT^2	- LB-FT^2	- SEC.	-	150 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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
309	208						

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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INVERTER TORQUE: CONSTANT 1000:1
INV. HP SPEED RANGE: NONE
ENCODER: M.E. SUPPLIED - M.E. MOUNT
DANAHER HS35 LINCOLN
MS CONNECTOR 1024 PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
FT-LB V NONE Hz



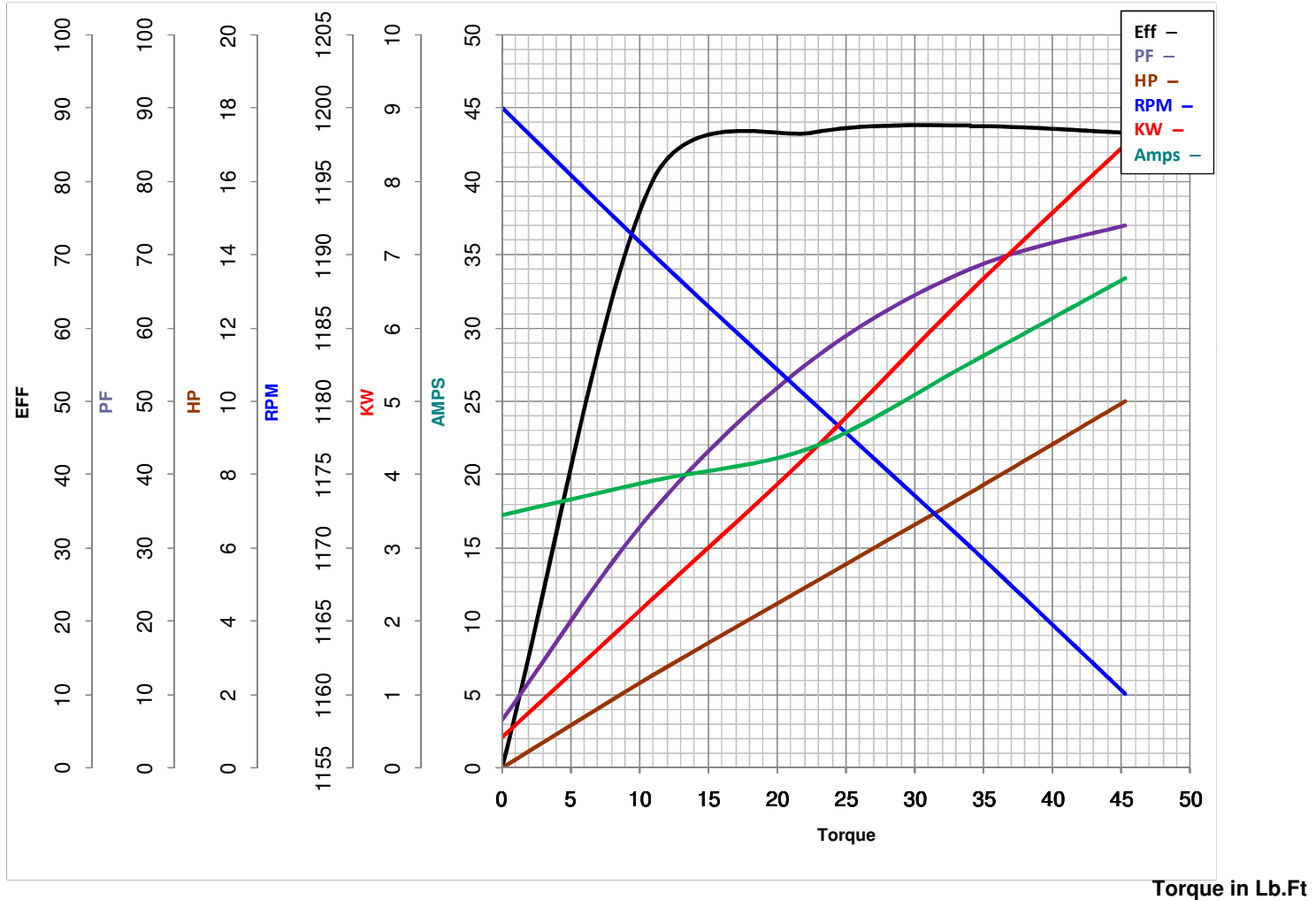
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM28121

Curve at 200 Volts HP 10.00 PHASE 3
60 HZ
10 HP VOLTS 200

Catalog No LM28121BB

HZ 60 RPM 1160



FL TORQUE	<u>45.3</u>	Lb.Ft	FL AMPS	<u>33.5</u>	
BD TORQUE	<u>140.0</u>	Lb.Ft	PU TORQUE	<u>110.0</u>	Lb.Ft
LR TORQUE	<u>120</u>	Lb.Ft	LR AMPS	<u>230</u>	
WINDING	K2156160-2		Date	<u>6/4/2018</u>	

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : LM28121

(Model No. may contain prefix and/or suffix characters)

Catalog No : LM28121

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

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