PRODUCT INFORMATION PACKET



Model No: LM28120 Catalog No: LM28120

Elevator Duty Motor, 10 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 256T Frame, DP



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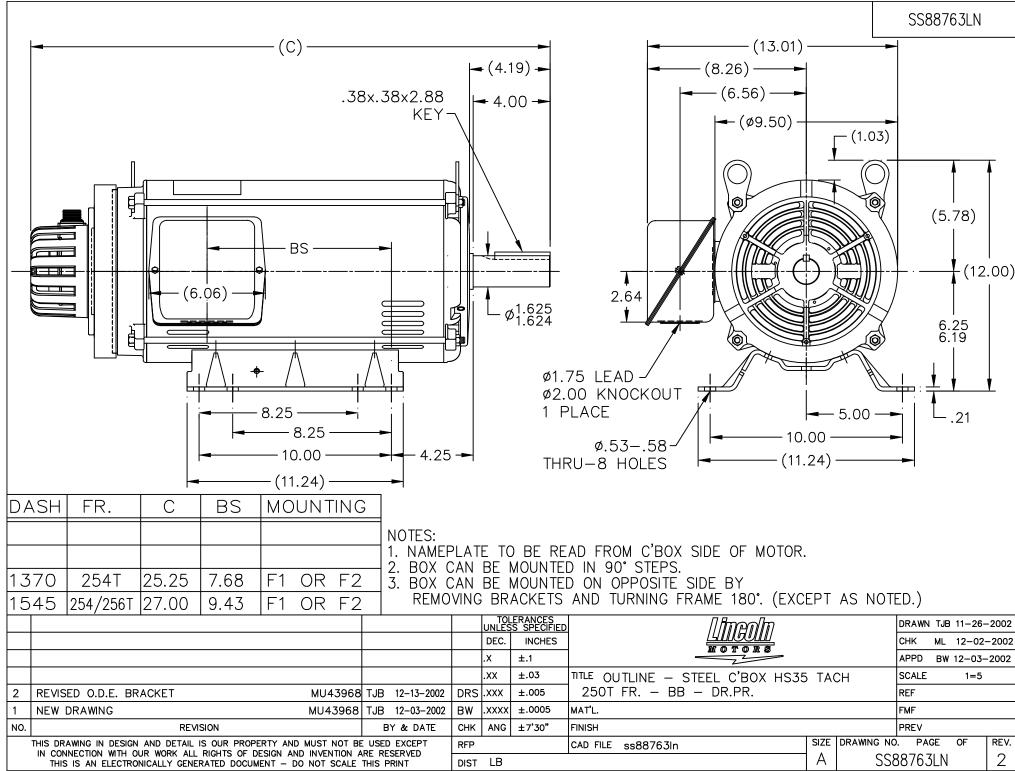
Nameplate Specifications

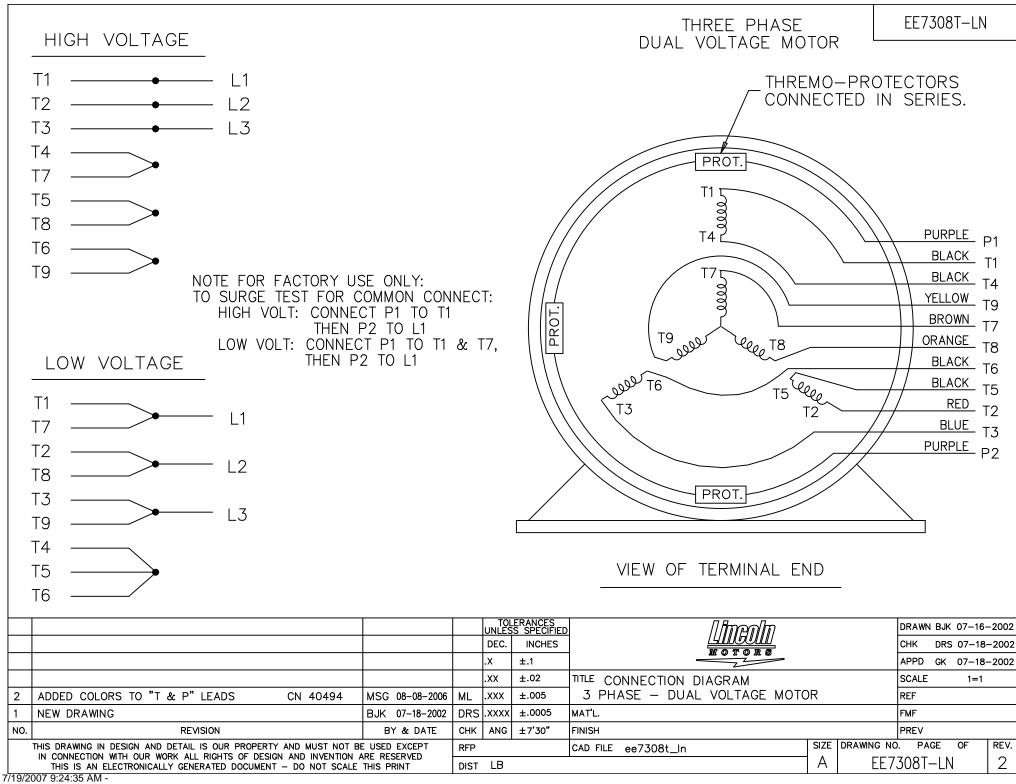
Output HP	10 Hp	Output KW	7.5 kW	
Frequency	60 Hz	Voltage	230/460 V	
Current	29.0/14.5 A	Speed	1160 rpm	
Service Factor	1	Phase	3	
Efficiency	86.5 %	Power Factor	74	
Duty	Elevator	Insulation Class	F	
Design Code INV		KVA Code	J	
Frame	256T	Enclosure	Drip Proof	
Thermal Protection	Thermostat	Ambient Temperature	40 °C	
Drive End Bearing Size	309	Opp Drive End Bearing Size	208	
UL Recognized		CSA	Υ	
CE	Υ	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	Т	Overall Length	27.00 in
Frame Length	15.45 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Outline Drawing	A-SS88763LN-1545	Connection Drawing	A-EE7308T-LN

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308T-LN

CATALOG #: LM28120

OUTLINE: A-SS88763LN-1545 **WINDING #:** K2156160 1

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

	HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
Ī	10	7.46	1200	1160	256T	DP	J	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	230/460	29/14.5	INVERTER ONLY	ELEVATOR	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. TORÇ	UE		B.D. TORQ	UE	F.L. RISE°C
45.3 LB-FT	200 / 100	120	LB-FT	265 %	140	LB-FT	309 %	60

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
STANDARD	ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEARINGS		GREASE	SHAFT TYPE	CDECTAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM T		NONE	NONE	1045 HOT DOLLED (C 204)	DOLLED STEEL	
309	208			NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL	

	THERMICTORS	CONTROL	CDACE	IEATEDS.				
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS		
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	NONE VOLTS	

INVERTER TORQUE: CONSTANT 1000:1
INV. HP SPEED RANGE: NONE

N ENCODER: REGAL SUPPLIED - REGAL MOUNT

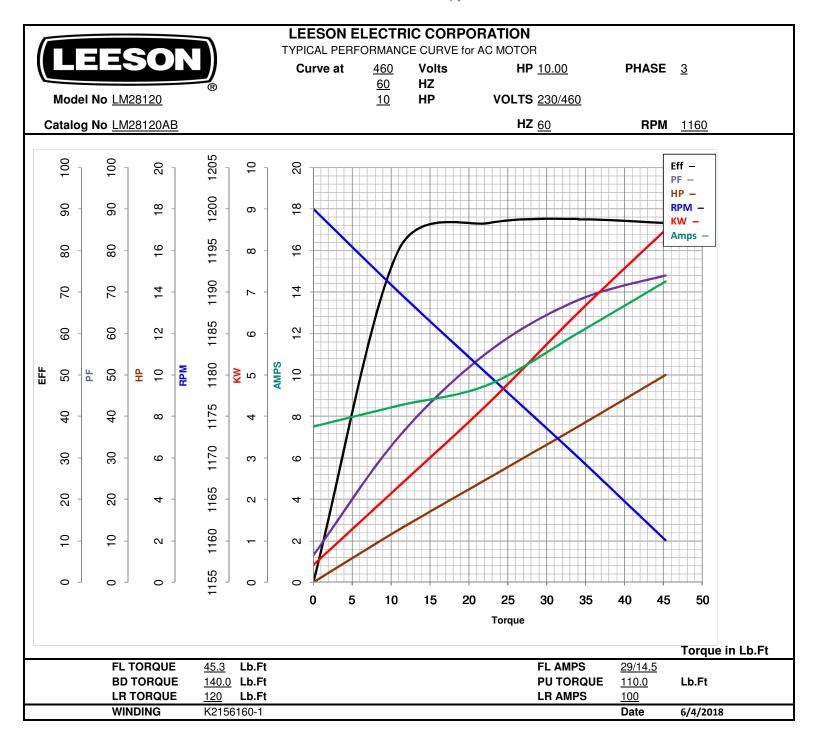
O DYNAPAR HS35 LINCOLN MS CONNECTOR 1024 PPR

BRAKE: NONE NONE

NONE P/N NONE
NONE NONE

NONE FT-LB NONE V NONE HZ

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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: LM28120

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

Catalog No: LM28120

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

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

Michael A Logsdon

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

Authorized Representative:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer