PRODUCT INFORMATION PACKET

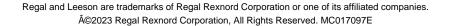


Model No: LM28880 Catalog No: LM28880

Elevator Duty Motor, 20 & 25 HP, 3 Ph, 60 & 60 Hz, 230/460 & 230/460 V, 1800 & 1800 RPM,

256T Frame, DP









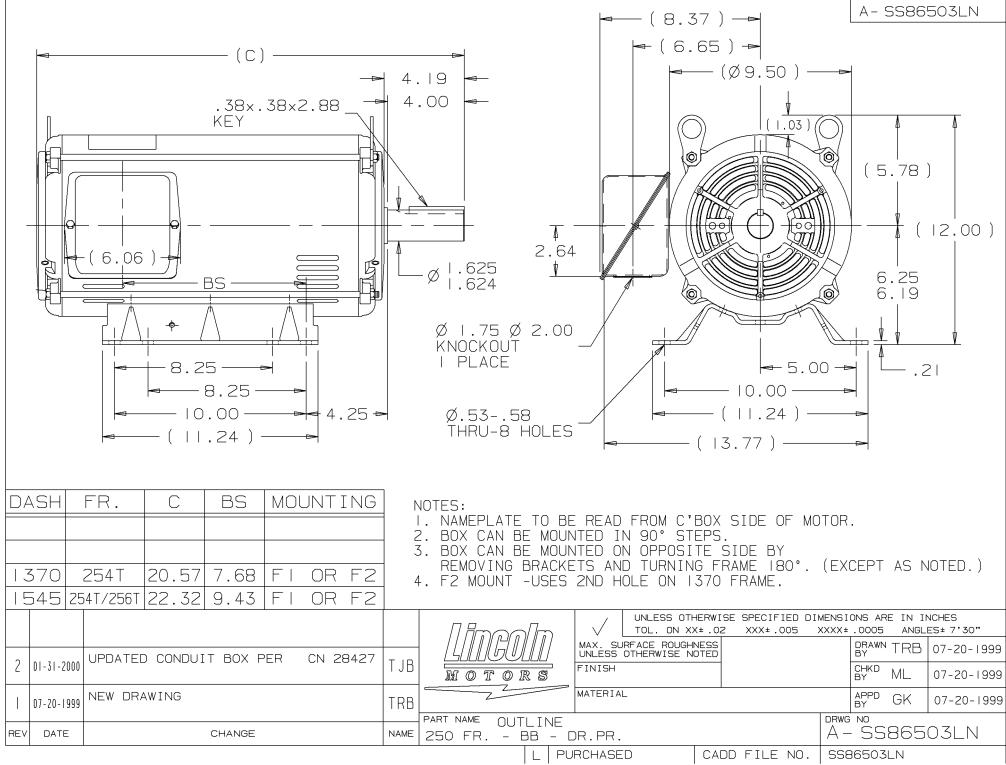
Nameplate Specifications

Phase	3	Output HP	20 & 25 Hp
Output KW	14.9 & 18.7 kW	Voltage	230/460 & 230/460 V
Speed	1760 & 1760 rpm	Service Factor	1.0 & 1.0
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	52/26 & 64/32 A	Power Factor	79.3
Duty	120/80 Starts/Hour	Insulation Class	F
Design Code	INV	KVA Code	F
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

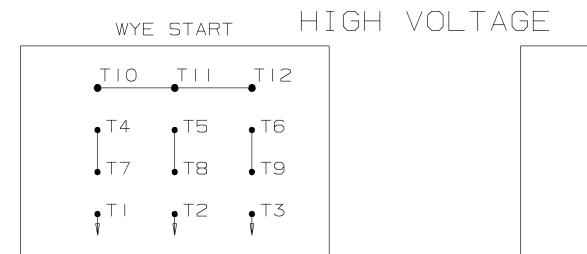
Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.428 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	22.32 in
Frame Length	15.45 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86503LN-1545	Connection Drawing	EE7358-LN

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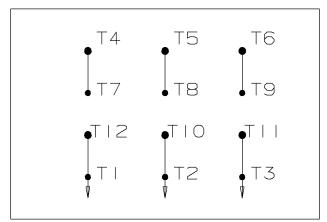


ERROR: syntaxerror
OFFENDING COMMAND: --nostringval-STACK:

/RS
-dictionary/Pscript_WinNT_Compat
-dictionary-



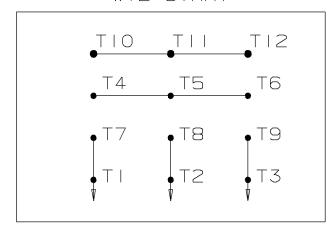
DELTA RUN

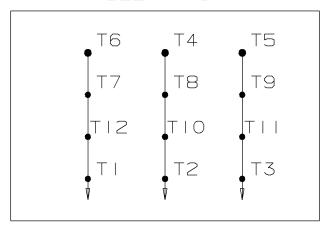


WYE START

LOW VOLTAGE

DELTA RUN





4/2 CKTY△

A-EE7358-LN

				lincoln	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES±7'30"
				<i>Lincoln</i>	MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED BY DRS 12-07-1999
				MOTORS	FINISH CHKD ML 12-07-1999
	12-07-1999	NEW DRAWING	DRS		MATERIAL APPD TB 12-07-1999
				PART NAME CONNECTI	ION DIAGRAM DRWG NO
REV	DATE	CHANGE	NAME	COMMECTI	IA-FF7358-IN

PURCHASED

CADD FILE NO. EE7358-LN



CERTIFICATION DATA SHEET

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

WINDING #: K2154280 R5 13 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&25	14.9&18.7	1800	1760&1760	256T	DP	F	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/60	230/460&230/460	52/26&64/32	WYE START DELTA RUN	120/80 STARTS/HOUR	F3	1.0/1.0	40

FULL LOAD EFF:	91&90.2	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	79.3&81.5	3/4 LOAD PF:	74	1/2 LOAD PF:	63	89.5	SQ CAGE IND RUN

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.5 LB-FT	320 / 160	145 LB-FT 244 %	175 LB-FT 294 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
70 dBA	80 dBA	1.7 LB-FT^2	- LB-FT^2	- SEC.	-	185 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEAR	BEARINGS GREASE		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFITYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	H.	NONE	NONE	1045 HOT BOLLED (C 204)	DOLLED CTEEL	
309	208	POLYREX EM	I	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL	

		THERMISTORS	CONTROL	CDACE HEATERS		
THERMOSTATS	MOSTATS PROTECTORS WDG RTDs BRG RTDs		IHERMISTORS	CONTROL	SPACE HEATERS	
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE NONE PPR

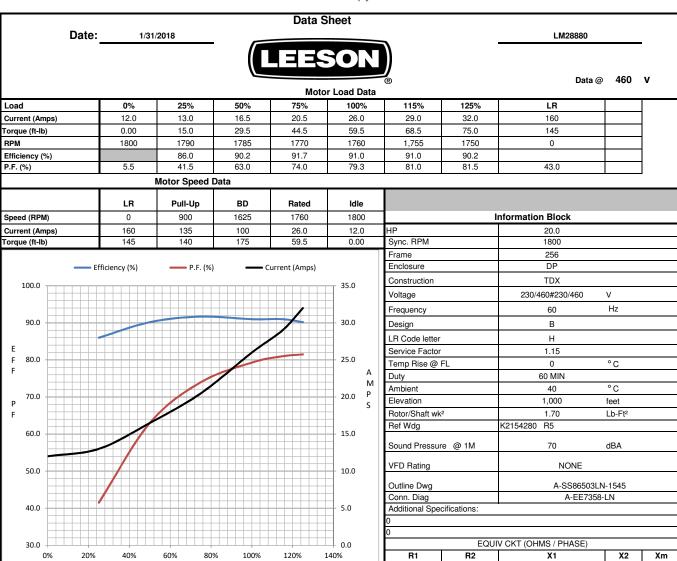
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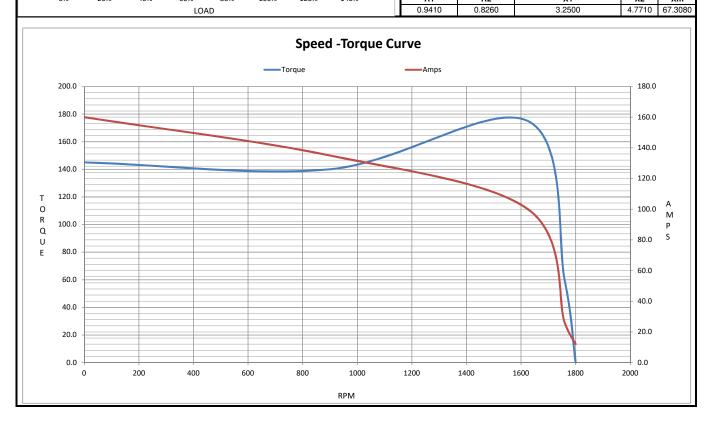
S

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE

NONE NONE FT-LB V NONE Hz

6 of 8







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: LM28880

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

Catalog No: LM28880

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:

J. cerse

Authorized Representative in the Community:

Julian Clark

Marketing Engineer

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

C€ 22