

PRODUCT INFORMATION PACKET



Model No: LM30142
Catalog No: LM30142
250,1040,TEFC,449TS,3/35/480

Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2024 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

Phase	3	Output HP	250 Hp
Output KW	187.0 kW	Voltage	480 V
Speed	1040 rpm	Service Factor	1.0
Frame	447/449TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	95.4 %
Ambient Temperature	40 °C	Frequency	35 Hz
Current	269.0 A	Power Factor	87.5
Duty	INTERMITTENT	Insulation Class	H
Design Code	INV	KVA Code	K
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.024 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	Shaft Diameter	3.375 in
Assembly/Box Mounting	F2/F1 CAPABLE	Inverter Load	CONSTANT 100:1
Outline Drawing	XK2F3SS77U-3167	Connection Drawing	A-EE7300AK-LN

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:09/12/2024

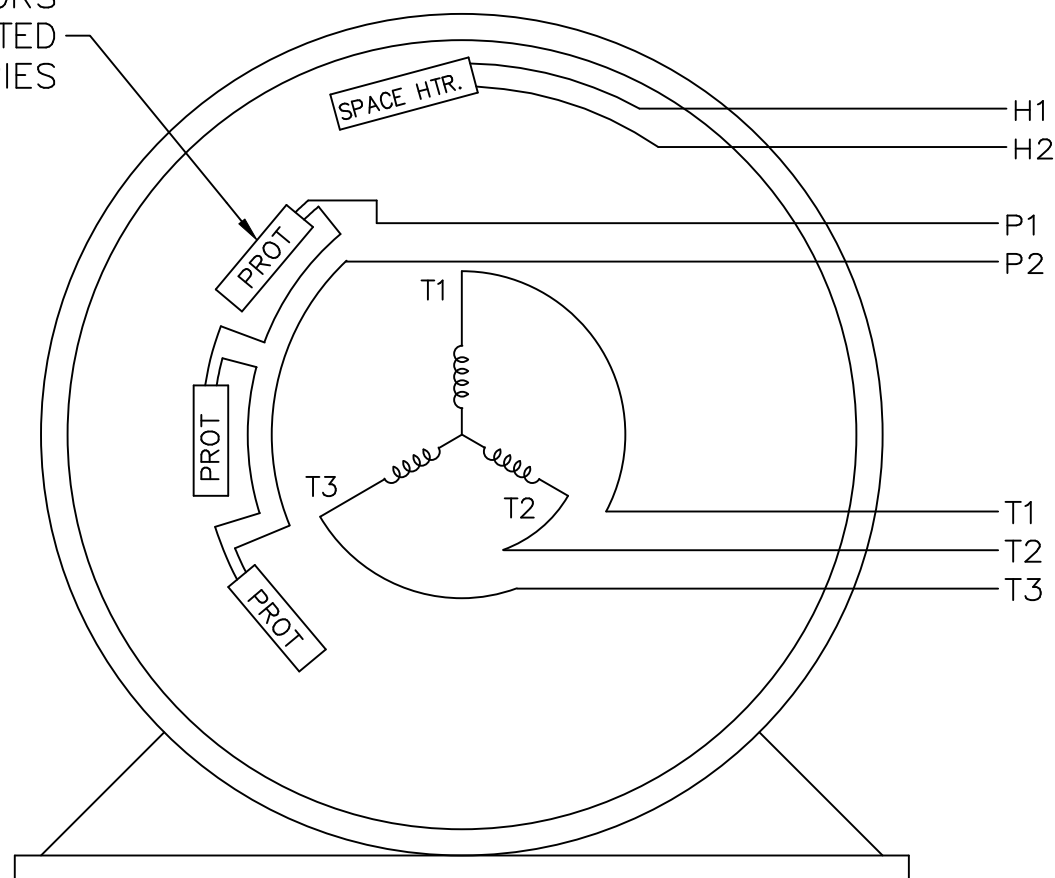


1

P1 AND P2 PROTECTORS TO VOLTAGE CONTROL

EE7300AK-LN

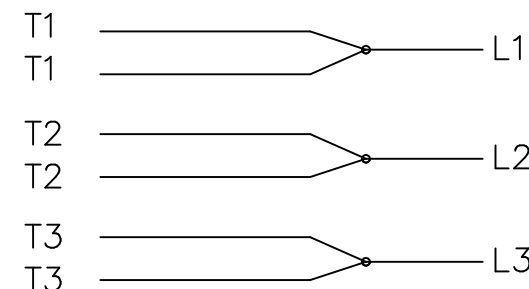
PROTECTORS
CONNECTED
IN SERIES




VIEW OF TERMINAL END

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

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



A-9806 DECAL

				TOLERANCES UNLESS SPECIFIED			DRAWN KL 02-12-2003				
				DEC.	INCHES		CHK GFH 02-13-2003				
				.X	± -		APPD EAB 02-13-2003				
				.XX	± -	TITLE CONNECTION DIAGRAM – EXTERNAL SINGLE VOLTAGE – 3* MOTOR	SCALE 1=1				
				.XXX	± -		REF				
1	NEW DRAWING	MU45325	KL 02-13-2003	.XXXX	± -	MAT'L.	FMF				
NO.	REVISION		BY & DATE	CHK	ANG	± -	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		CAD FILE EE7300AK–LN		SIZE	DRAWING NO.	PAGE OF	REV.
				DIST WA–LB				A	EE7300AK–LN		1

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 : LM30142

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

Catalog No : LM30142

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 11/21/2023

CE 23