PRODUCT INFORMATION PACKET

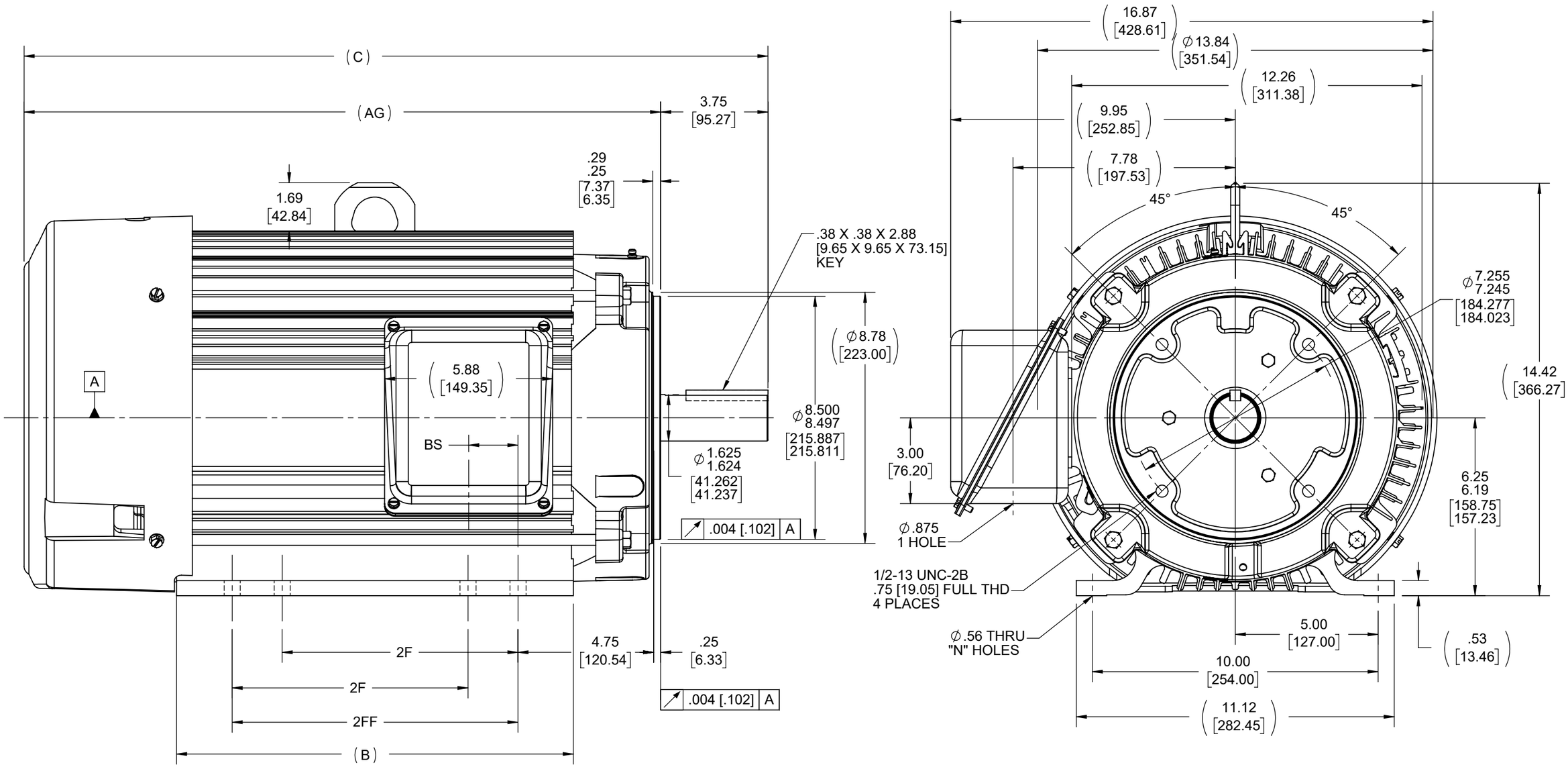
Model No: LM16248
Catalog No: LM16248
OBSOLETE - REPLACED BY LM16766 - 20,3600,TEFC,256TC,3/60/230/460

Nameplate Specifications

Phase	3	Output HP	20 & 20 Hp
Output KW	14.9 & 14.9 kW	Voltage	230/460 & 208/415 V
Speed	3530 & 2915 rpm	Service Factor	1.25 & 1.0
Frame	256TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	90.2 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	47/23.5 & 52/26 A	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.398 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS321103LN-1375	Connection Drawing	A-EE7308-LN



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	BS	2F	2FF	AG	N
1200	254TC	24.28 [616.71]	12.13 [308.10]	1.73 [43.94]	8.25 [209.55]	---------	20.53 [521.46]	4
1375	254/6TC	26.03 [661.16]	13.88 [352.55]	1.73 [43.94]	8.25 [209.55]	10.00 [254.00]	22.28 [565.91]	8

DRAWING REVISION: B	REVISION BY: JVD	DATE: 05/27/2021
ECO: CR-0002792	APPROVED BY: AS	DATE: 05/27/2021

ECO DESCRIPTION: REPLACED FAN GUARD 3C223-E3 TO 205016B

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY: CTO	
DATE: 05-11-2004	
APPROVED BY: TB	
DATE: 05-11-2004	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS321103LN / SHEET: 1 OF 1

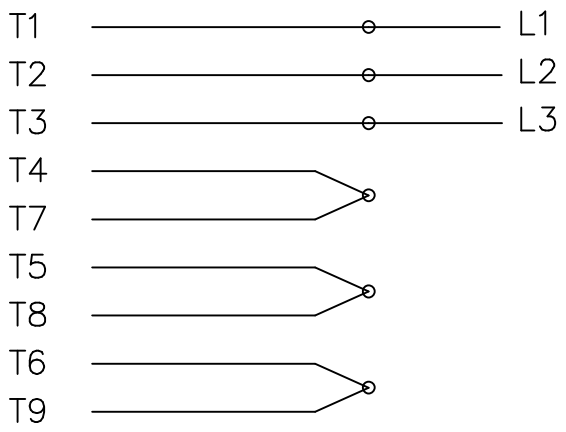
Regal Beloit America, Inc.

DESCRIPTION: OUTLINE
250TC FR - ALUM FR - TEFC

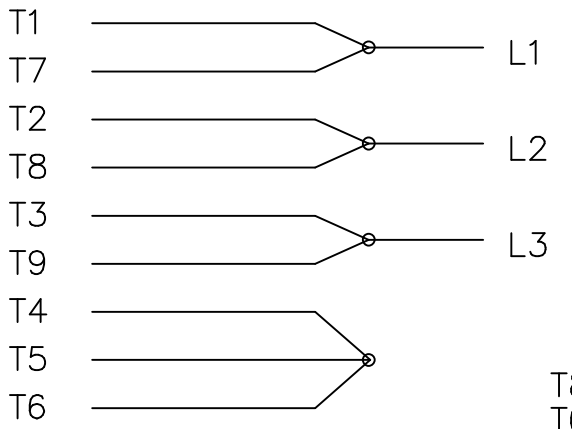
EE7308-LN

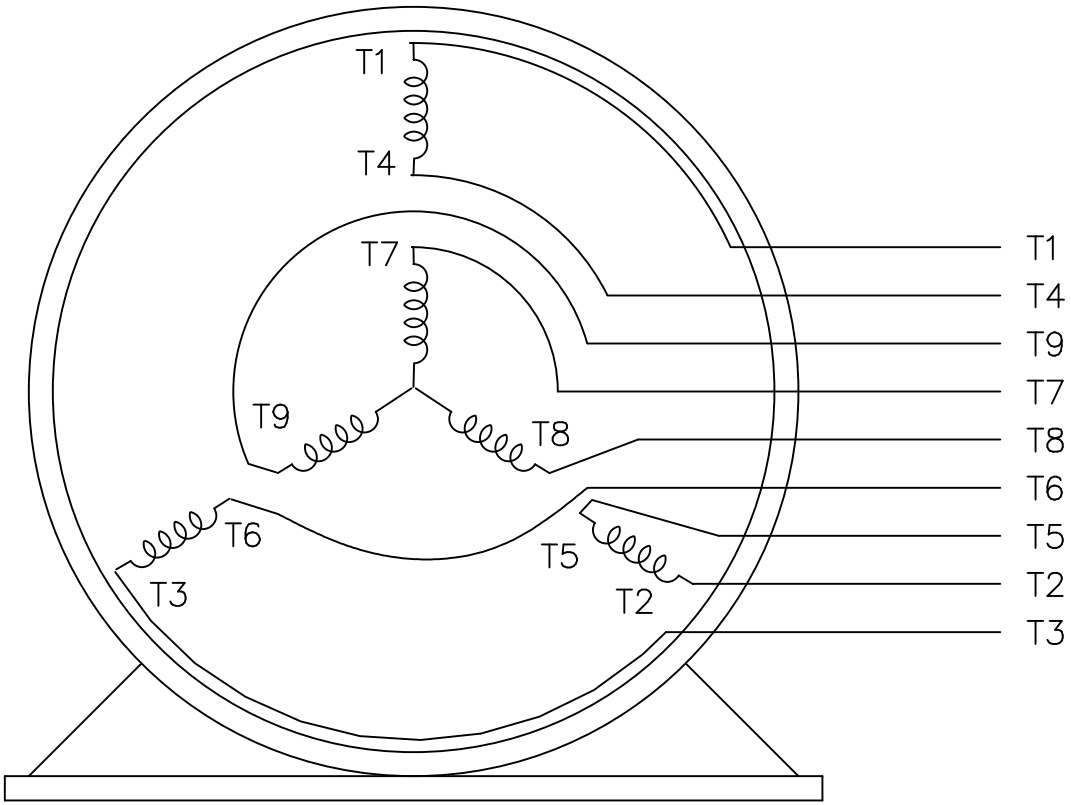
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

NO.	REVISION	BY & DATE	CHK
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK
1	NEW DRAWING	BLR 06/18/1999	GK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Lincoln MOTORS

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

CAD FILE EE7308LN

RFP

DIST WP

DRAWN	BLR 06/11/1999
CHK	ML 06/18/1999
APPD	GK 06/18/1999
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308-LN | PAGE OF | REV. 3

7/19/2007 9:20:15 AM -