PRODUCT INFORMATION PACKET

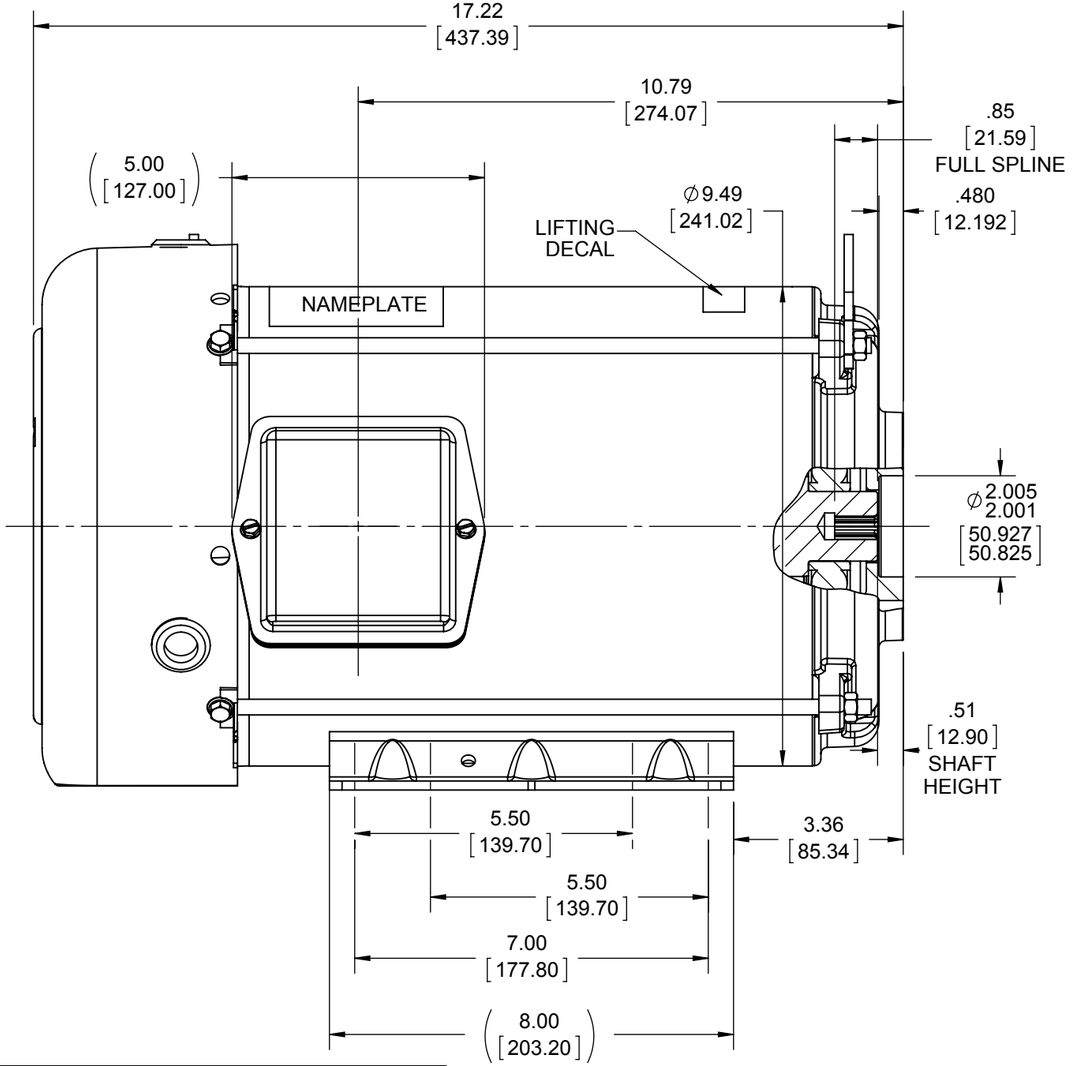
Model No: EX141159.00
Catalog No: EX141159.00
EX141159.00..10/7.5HP..1755/1465RPM.215TZ.TEFC.208-230/460//190/380V.3PH.60/50HZ.CONT.40C.1.15SF.RIGID.....

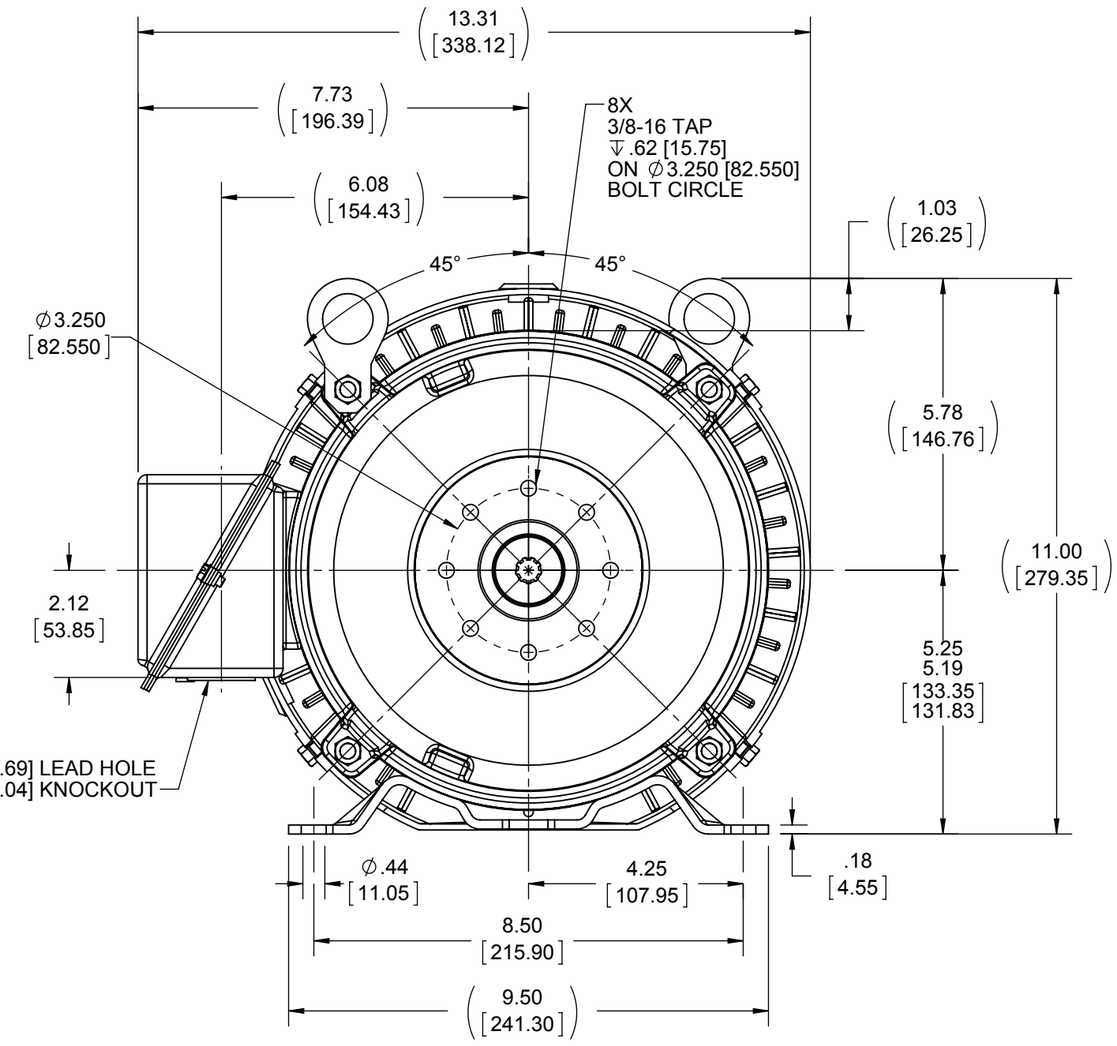
Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	208-230/460 & 190/380 V
Speed	1755 & 1465 rpm	Service Factor	1.15 & 1.15
Frame	215TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	28-26/13 & 23/11.5 A	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

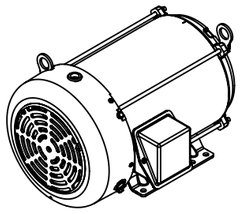
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.05 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	609-0006	Connection Drawing	A-EE7308-LE





INTERNAL INVOLUTE SPLINE FLAT ROOT SIDE FIT - CLASS 5 FIT	
NO. OF TEETH	9
SPLINE PITCH	20/40
PRESSURE ANGLE	30°
BASE DIAMETER	.3898 [9.9009] REF.
PITCH DIAMETER	.4500 [11.4300] REF.
MAJOR DIAMETER	.5190 [13.1826] MAX
FORM DIAMETER	.501 [12.7254]
MINOR DIAMETER	.405/.406 [10.287/10.312]
CIRCULAR SPACE WIDTH	
MAXIMUM ACTUAL	.0825 [2.0955]
MINIMUM EFFECTIVE	.0785 [1.9939]
SIZE BETWEEN ⌀.108[2.743] PINS	-----

ANSI B92.1-1996 PROVISIONS APPLY	



NOTES:
1) NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR
2) BOX CAN BE MOUNTED IN 90° STEPS
3) BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° (EXCEPT AS NOTED)

DRAWING REVISION	REVISION BY	DATE
C	MITCH VERBICK	10/7/2014
ECO	APPROVED BY	DATE
ECO-0062088		
ECO DESCRIPTION		
ADDED SPLINE DEPTH DIMENSION		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	MITCH VERBICK
DATE	2/18/2014
APPROVED BY	
DATE	
PROCESS/FINISH	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
210 FRAME SAE AA SPLINE

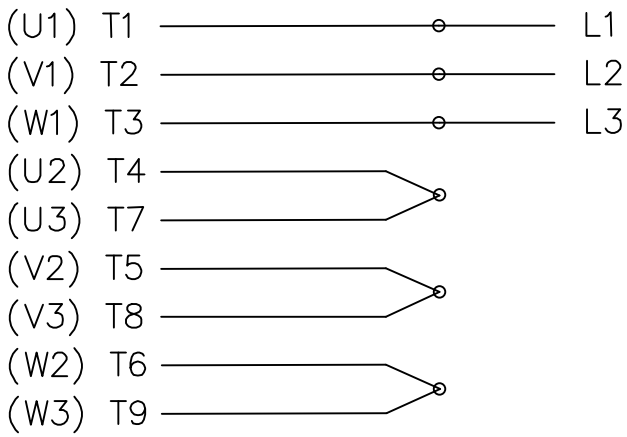
MATERIAL

SIZE	DRAWING NUMBER	SHEET
B	609-0006	1 OF 1

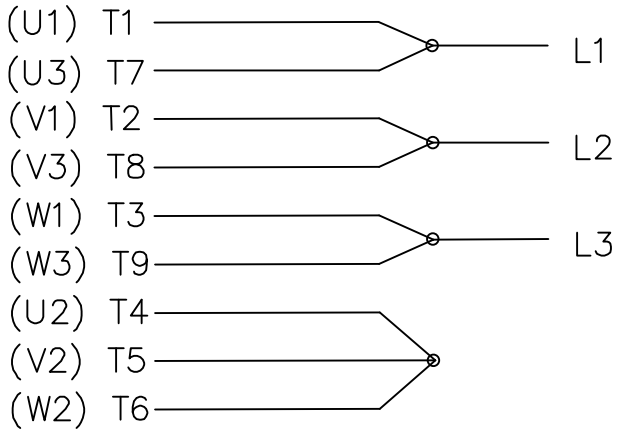
EE7308-LE

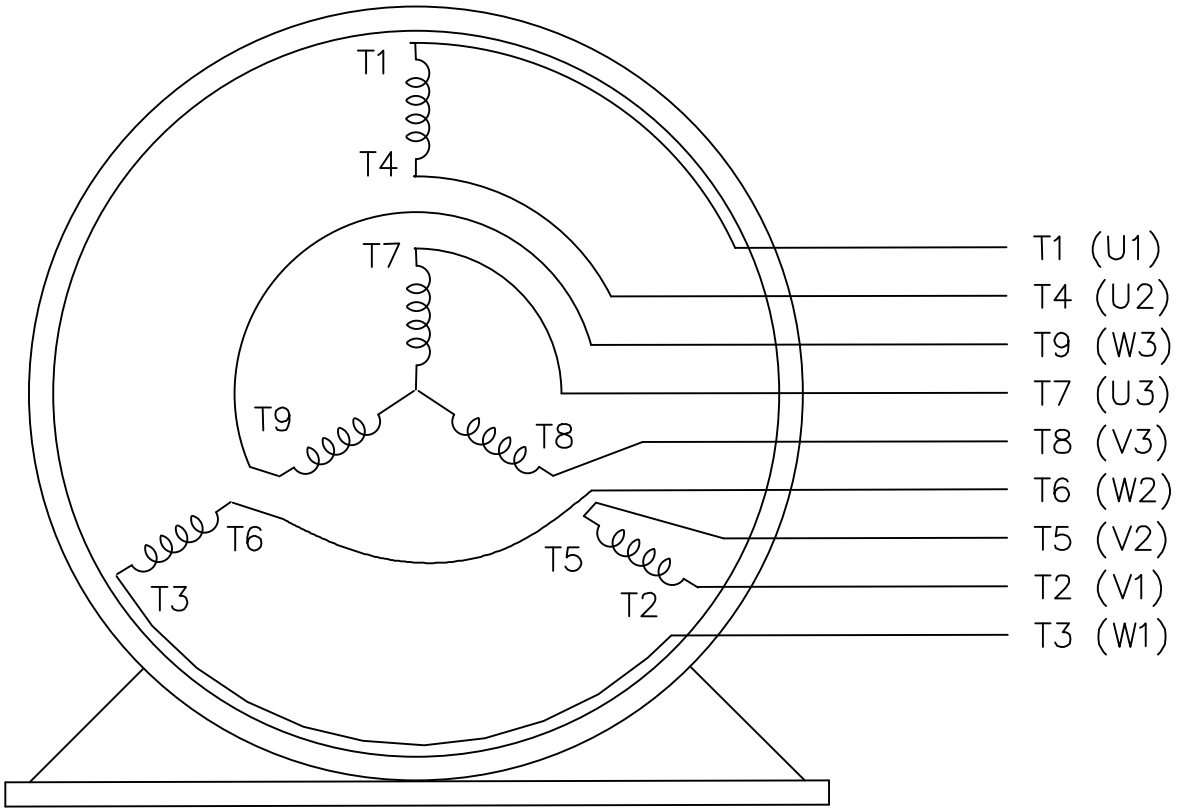
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

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

NO.	REVISION	BY & DATE	CHK
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR
1	NEW DRAWING	HLB 05-03-2002	ML

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM
3Ø – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

CAD FILE EE7308-LE

RFP

DIST LB-WP

DRAWN	HLB 04-29-2002
CHK	ML 05-03-2002
APPD	GK 05-03-2002
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7308-LE	2