

PRODUCT INFORMATION PACKET



Model No: 111936.00

Catalog No: 111936.00

Explosion Proof Motor, 0.75 & 0.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, EPFC



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



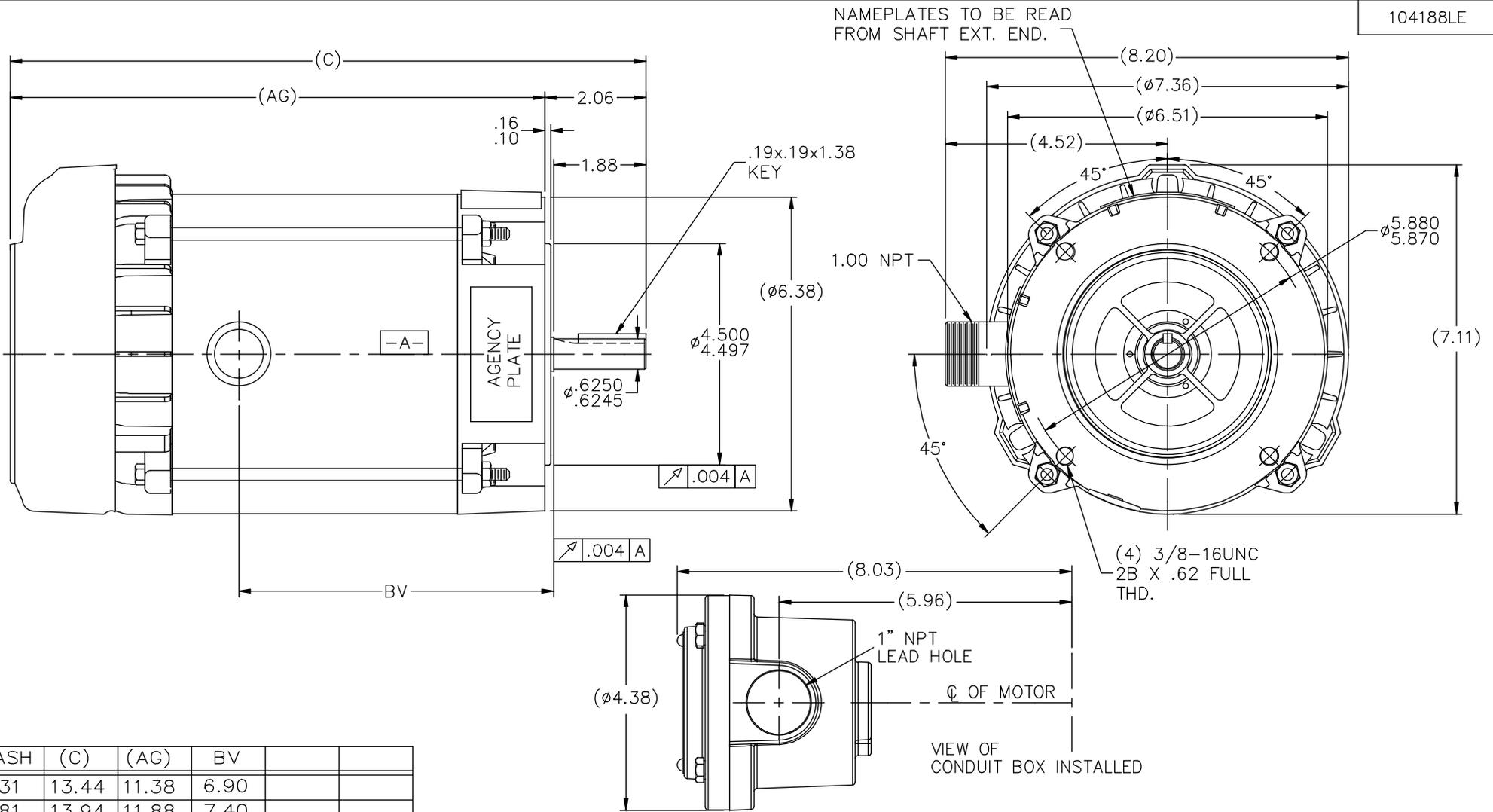


Nameplate Specifications

Phase	3	Output HP	0.75 & 0.50 Hp
Output KW	0.56 & 0.37 kW	Voltage	208-230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.0 & 1.0
Frame	56C	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Efficiency	74 & 68 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3-3.2/1.6 & 3/1.5 A	Power Factor	69.1
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	N
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C

Technical Specifications

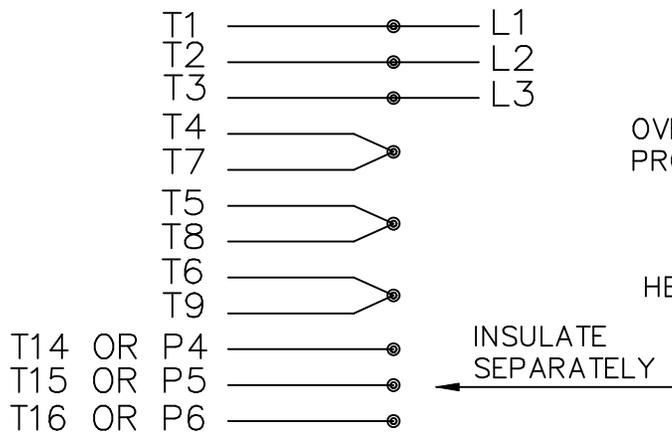
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	5.66 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.44 in
Frame Length	6.31 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7335-LE	Outline Drawing	104188LE-631



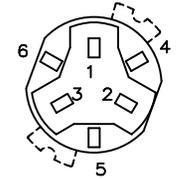
DASH	(C)	(AG)	BV		
631	13.44	11.38	6.90		
681	13.94	11.88	7.40		
731	14.44	12.38	7.90		
781	14.94	12.88	8.40		
831	15.44	13.38	8.90		
881	15.94	13.88	9.40		
931	16.44	14.38	9.90		
981	16.94	14.88	10.40		

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RJW 06-22-2007	
		DEC.	INCHES			CHK	ML
		.X	±.1	TITLE OUTLINE - 'C' FACE 56 FR. - EXP. PR.		SCALE 17=32	
		.XX	±.03			REF	
		.XXX	±.005			PREV	
01	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD	10/10/13	ST	.XXXX	±.0005	MAT'L.
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	06-22-2007	CAD FILE 104188LE	SIZE B
				DIST	WP		DRAWING NO. 104188LE
							PAGE OF 01

HIGH VOLTAGE CONNECTIONS

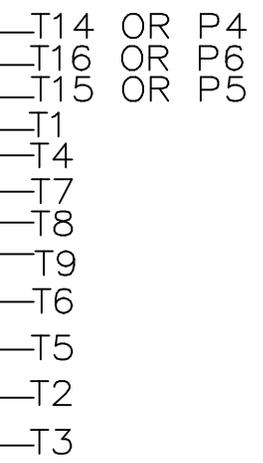
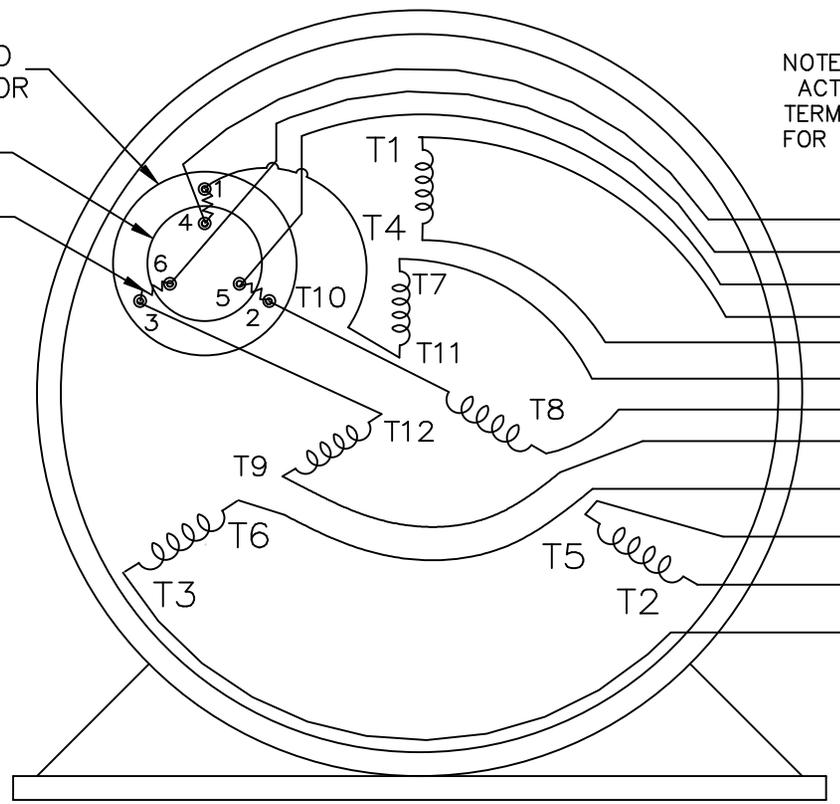


THREE PHASE – DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR

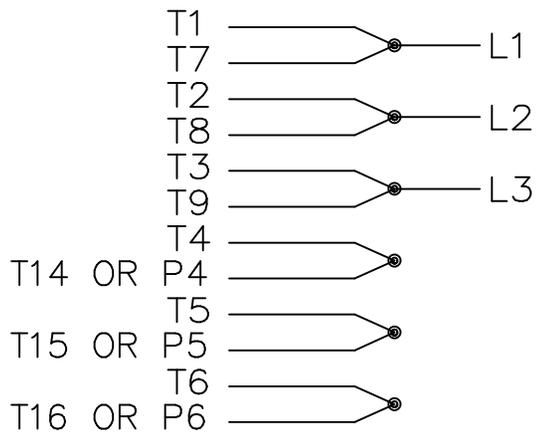


NOTE:
 ACTUAL PROTECTORS
 TERMINAL LOCATIONS
 FOR LEAD CONNECTIONS

OVERLOAD PROTECTOR
 DISC
 HEATER



LOW VOLTAGE CONNECTIONS



VIEW OF TERMINAL END

T2K
 T4D
 T6AN

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN NJS 04-20-2005	
				DEC.	INCHES		CHK ML 04-20-2005	
				.X	± -		APPD MJS 04-20-2005	
				.XX	± -		SCALE	
				.XXX	± -		REF	
				.XXXX	± -	MAT'L.		
				ANG	± -	FINISH		
NO.	REVISION	BY & DATE	CHK	ANG	± -	TITLE CONNECTION DIAGRAM		FMF
						3φ- DUAL VOLTAGE W/OVERLOAD PROTECTOR		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	04-20-2005	CAD FILE EE7335_LE		SIZE A
				DIST WP		DRAWING NO. EE7335-LE		PAGE OF
								REV.



P.O. BOX 8003
 WAUSAU, WI 54401-8003
 PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7335-LE
 OUTLINE: B-104188LE-631
 WINDING: ZT205

CAT #: 111936.00

R5 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.75	0.56	3600	3450	56C	EPFC	TFR	N	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	3-3.2/1.6&3.15/1.6	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	74.0	3/4 LD EFF	68.0	1/2 LD EFF	60.0	GTD EFF	ELECT. TYPE
F.L. PF	69.1	3/4 LD PF	61.5	1/2 LD PF	51.0	70.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1.14 LB-FT	11.5	4.0 LB-FT 351%	5.6 LB-FT 491%	50

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
68 dBA	77 dBA	0.02 LB-FT ²	1.5 LB-FT ²	10 SEC.	2	22 LB.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	DF CL I GR C&D CL II GR	NO	NONE	E - LEESON (ENAM)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6203	6203						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE					
	ENCODER: NONE					
	NONE					
	NONE					
	NONE PPR					

DATE: 1/17/2018	BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ: UL: Y-(LEESON UL REC)
-----------------	---

Data Sheet

Date: 1/17/2018

111936.00



Data @ **460 V**

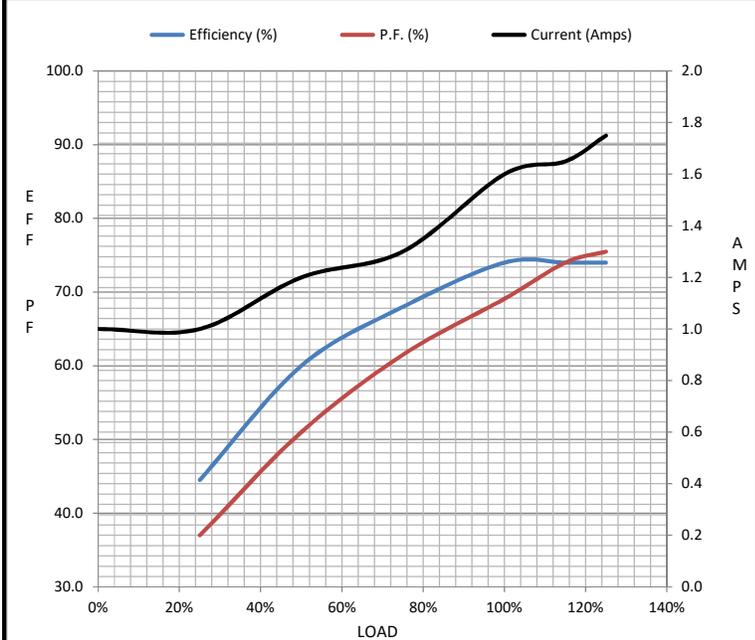
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.00	1.20	1.30	1.60	1.65	1.75	11.5	
Torque (ft-lb)	0.00	0.28	0.55	0.84	1.14	1.30	1.40	4.0	
RPM	3600	3577	3560	3525	3450	3,440	3425	0	
Efficiency (%)		44.5	60.0	68.0	74.0	74.0	74.0		
P.F. (%)	18.0	37.0	51.0	61.5	69.1	74.0	75.5	74.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2640	3450	3600
Current (Amps)	11.5	10.4	7.5	1.60	1.00
Torque (ft-lb)	4.0	3.6	5.6	1.14	0.00

Information Block				
HP	0.8			
Sync. RPM	3600			
Frame	56			
Enclosure	EPFC			
Construction	TFR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.02 Lb-Ft ²			
Ref Wdg	ZT205 R5			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-104188LE-631			
Conn. Diag	A-EE7335-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

