

PRODUCT INFORMATION PACKET



Model No: 114626.00

Catalog No: 114626.00

Explosion Proof Motor, 0.33 & 0.33 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
56C Frame, EPNV



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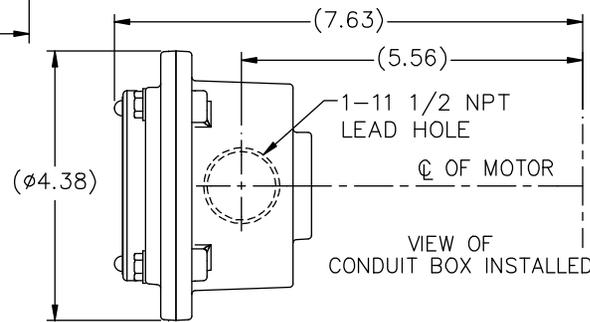
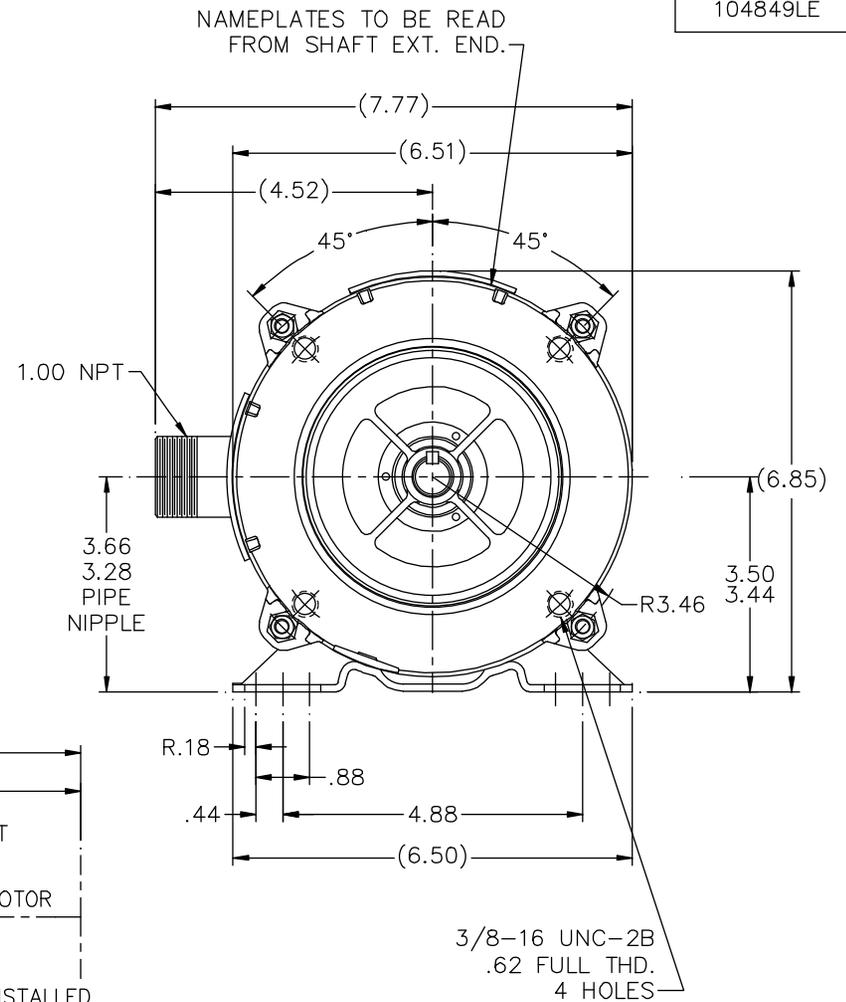
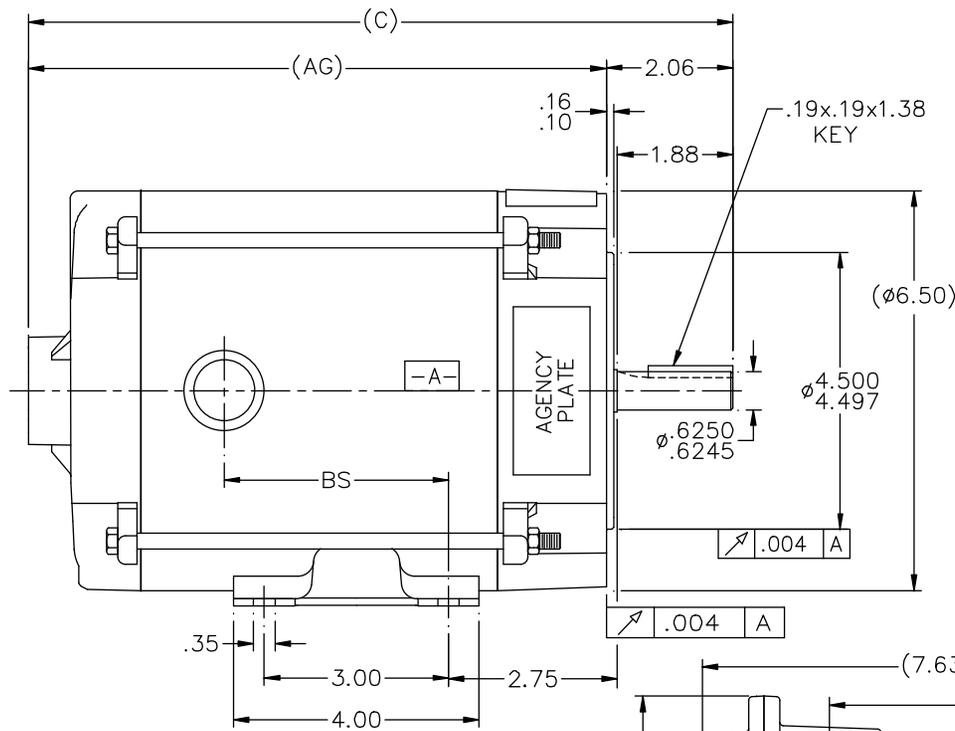


Nameplate Specifications

Phase	3	Output HP	0.33 & 0.33 Hp
Output KW	0.25 & 0.25 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.0 & 1.0
Frame	56C	Enclosure	Explosion Proof Non Ventilated
Thermal Protection	Automatic	Efficiency	74.5 & 74 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.2-1.2/.6 & 1.1/.56 A	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
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

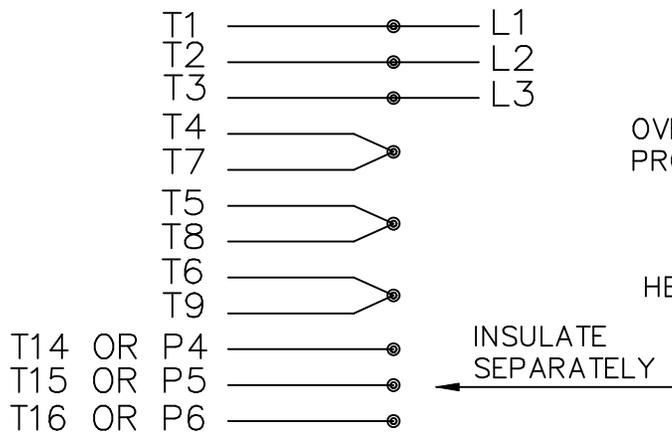
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.97 in
Frame Length	6.31 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-104849LE-631	Connection Drawing	A-EE7335-LE



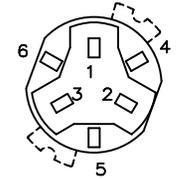
DASH	(C)	(AG)	BS
631	11.97	9.91	4.15
681	12.47	10.41	4.65
731	12.97	10.91	5.15
781	13.47	11.41	5.65
831	13.97	11.91	6.15
881	14.47	12.41	6.65
931	14.97	12.91	7.15
981	15.47	13.41	7.65

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RJW 06-25-2007	
		DEC.	INCHES			CHK	ML 06-25-2007
		.X	±.1			APPD	GK 06-25-2007
		.XX	±.03	TITLE OUTLINE - 'C' FACE		SCALE	1=2
		.XXX	±.005	56 FR. - EXP. PR.		REF	
1	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD	10/16/13	ST	.XXXX ±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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	06-25-2007	CAD FILE 104849LE	SIZE DRAWING NO. PAGE OF REV.
				DIST	WP	B	104849LE 1

HIGH VOLTAGE CONNECTIONS

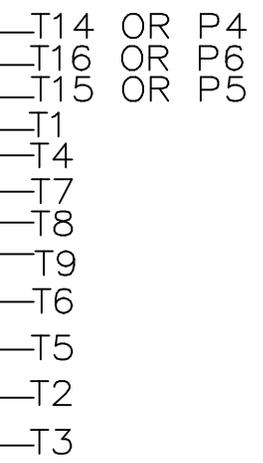
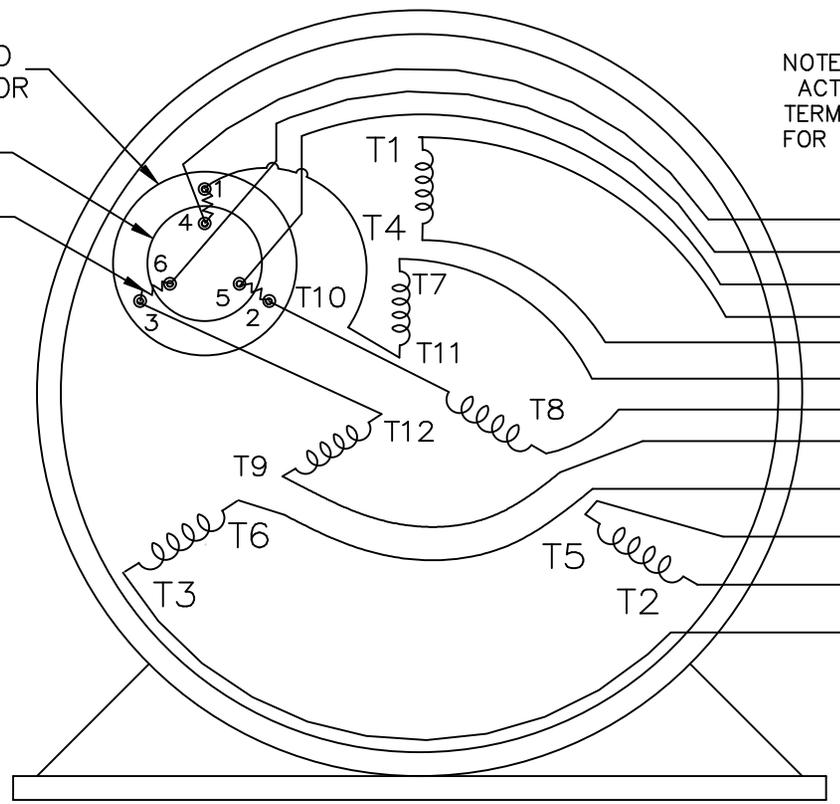


THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR

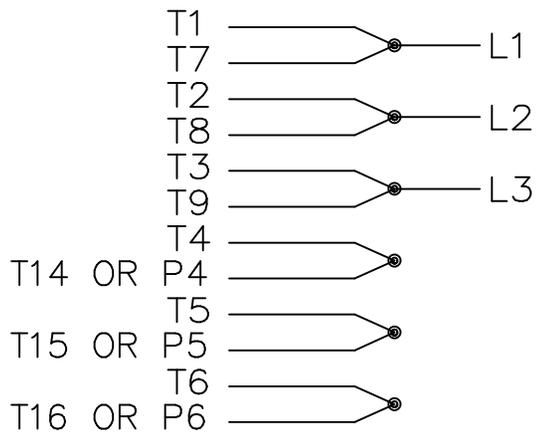


NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

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
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			DIST	WP			A	EE7335-LE

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



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7335-LE
 OUTLINE: A-104849LE-631
 WINDING: ZT493

CAT #: 114626.00

TR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.33	0.25	1800	1725	56C	TENV	TTR	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	1.2-1.2/.6&1.4/.7	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	74.5	3/4 LD EFF	72.5	1/2 LD EFF	67.5	GTD EFF	71.5	ELECT. TYPE
F.L. PF	71.0	3/4 LD PF	64.0	1/2 LD PF	52.0	71.5		SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1.00 LB-FT	3.6	3.1 LB-FT 310%	3.7 LB-FT 370%	65

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA	0.04 LB-FT²	2 LB-FT²	15 SEC.	2	21 LB.

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
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
34.572	24.08	36.55	24.252	675.96	0.150	ODE

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

DATE: 1/23/2018	BRAKE: NONE	
	NONE NONE NONE	
	FT-LB: NA	NONE
	VOLTAGE: NONE	HZ:
UL: Y-(LEESON UL REC)		

Data Sheet

Date: 1/23/2018

114626.00



Data @ 460 V

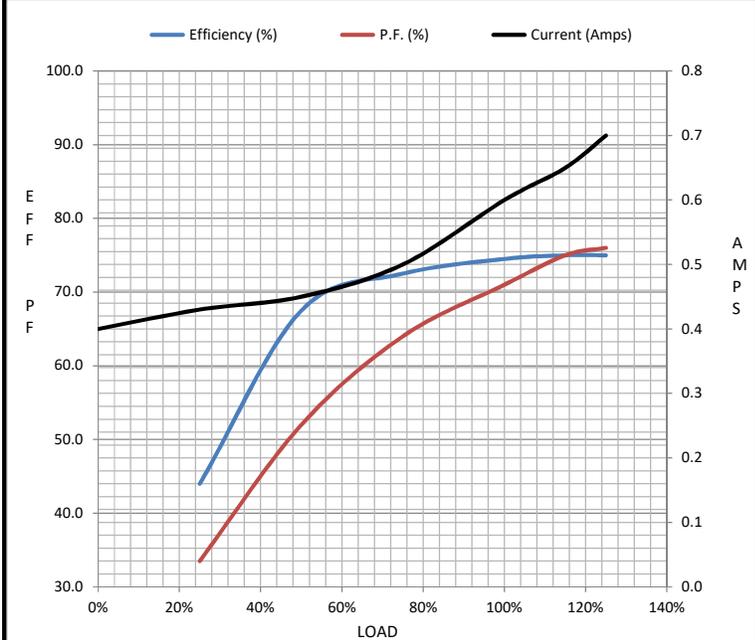
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.40	0.43	0.45	0.50	0.60	0.65	0.70	3.6
Torque (ft-lb)	0.00	0.20	0.50	0.75	1.00	1.20	1.30	3.1
RPM	1800	1780	1755	1735	1725	1.715	1710	0
Efficiency (%)		44.0	67.5	72.5	74.5	75.0	75.0	
P.F. (%)	21.0	33.5	52.0	64.0	71.0	75.0	76.0	72.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1500	1725	1800
Current (Amps)	3.6	3.0	2.40	0.60	0.40
Torque (ft-lb)	3.1	2.80	3.7	1.00	0.00

Information Block				
HP	0.3			
Sync. RPM	1800			
Frame	56			
Enclosure	TENV			
Construction	TTR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.04 Lb-Ft ²			
Ref Wdg	ZT493 TR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	A-104849LE-631			
Conn. Diag	A-EE7335-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
34.5720	24.0800	36.5500	24.2520	675.9600



Speed - Torque Curve

