PRODUCT INFORMATION PACKET

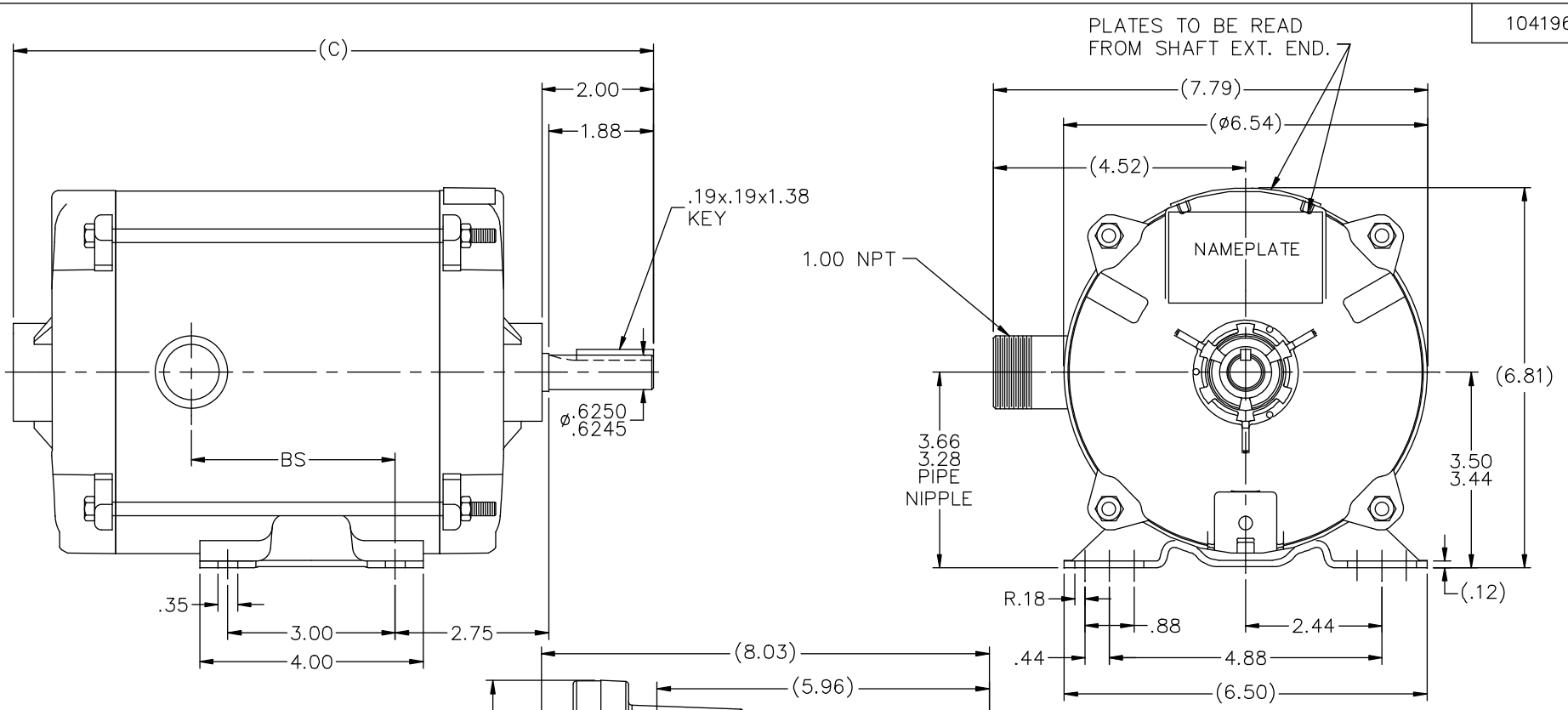
Model No: 111932.00
Catalog No: 111932.00
0.33 HP Explosion Proof Motor, 3 phase, 1800 RPM, 208-230/460 V, 56 Frame, EPNV
Explosion Proof NEMA Motors

Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.2-1.2/0.60 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	74.5 %	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
Frame	56	Enclosure	Explosion Proof Non Ventilated
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3C		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	63.7 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	104196LE-631	Connection Drawing	EE7335-LE



DASH	(C)	BS			
631	11.97	4.15			
681	12.47	4.65			
731	12.97	5.15			
781	13.47	5.65			
831	13.97	6.15			
881	14.47	6.65			
931	14.97	7.15			
981	15.47	7.65			

NO.	REVISION	BY & DATE
1	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD 10/15/13

TOLERANCES UNLESS SPECIFIED
DEC. INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±7'30"

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

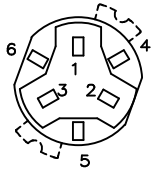
TITLE OUTLINE
56 FRAME – EXP. PR. – TENV – 1ø & 3ø

ST
CHK
RFP 06-22-2007
DIST WP
MAT'L.
FINISH
CAD FILE 104196LE

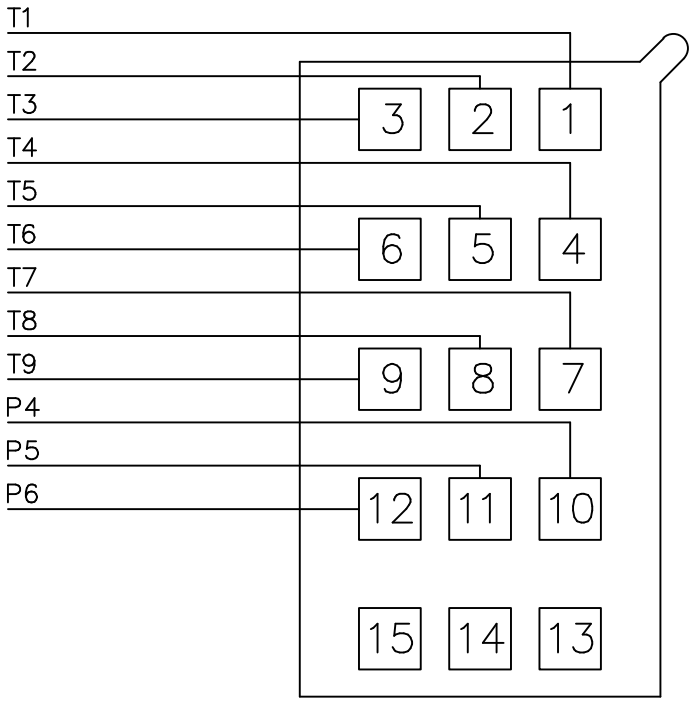
DRAWN RJW 06-22-2007
CHK ML 06-22-2007
APPD GK 06-22-2007
SCALE 17=32
REF
FMF
PREV

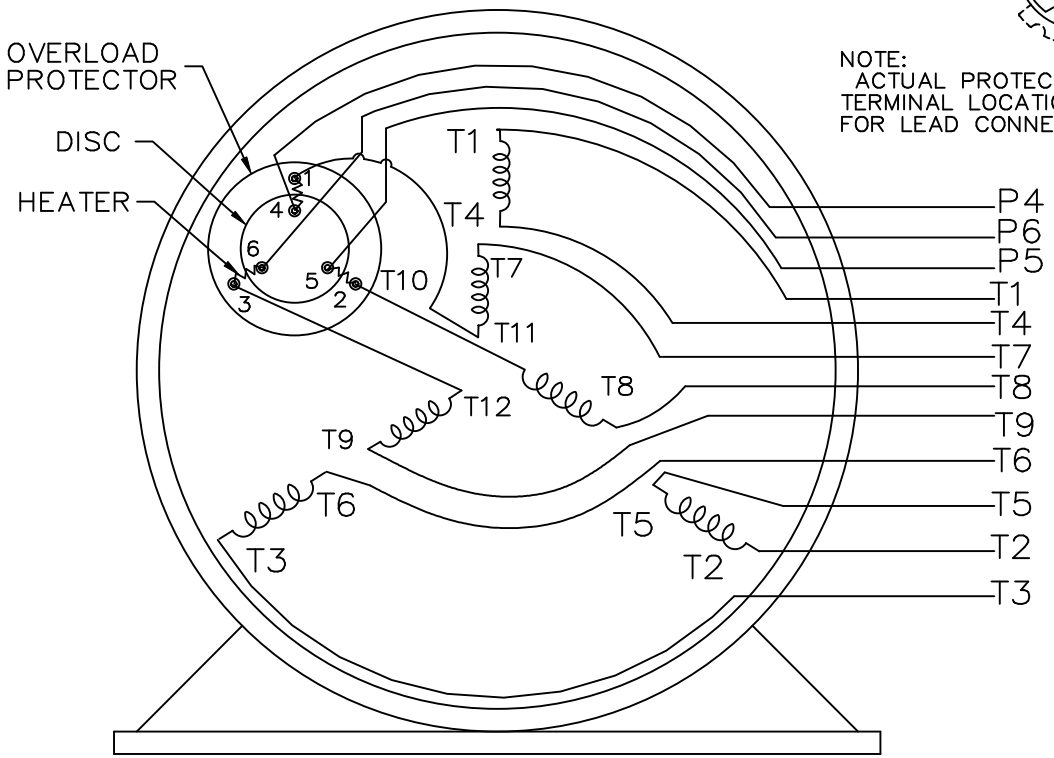
SIZE B | DRAWING NO. 104196LE | PAGE OF | REV. 1

THREE PHASE – DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR



NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS





VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 06-22-2004	
				DEC.	INCHES		CHK ML 06-23-2004	
				.X	±.1		APPD JET 06-23-2004	
				.XX	±.02	TITLE CONNECTION DIAGRAM – 3ø, 2V, PRT 12 PIN AMP PLUG	SCALE 3=4	
				.XXX	±.005		REF MU51245	
1	REVISED LEAD CONNECTIONS CN 38726	RJW 12-01-2004		.XXXX	±.0005	MAT'L.	FMF 116524.00	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV PR040027	

RFP 06-23-2004	CAD FILE ee7335w_le	SIZE	DRAWING NO.	PAGE	OF	REV.
DIST WP-LE		A	EE7335W-LE			1

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7335-LE **CAT #:** 111932.00
OUTLINE: B-104196LE-631
WINDING: ZT493 R6 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.33	0.25	1800	1725	56	EPNV	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&1.1/.56	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	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	3.0 LB-FT 300%	3.8 LB-FT 380%	35	

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
60 dBA	69 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
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	DF CL I GR C&D CL II GF	NO	NONE	JE - LEESON (ENAM

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

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

NOTES
*
*
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE **HZ:**
UL: Y-(LEESON UL REC)

DATE: 1/24/2018

Data Sheet

Date: 1/24/2018 **111932.00**

LEESON

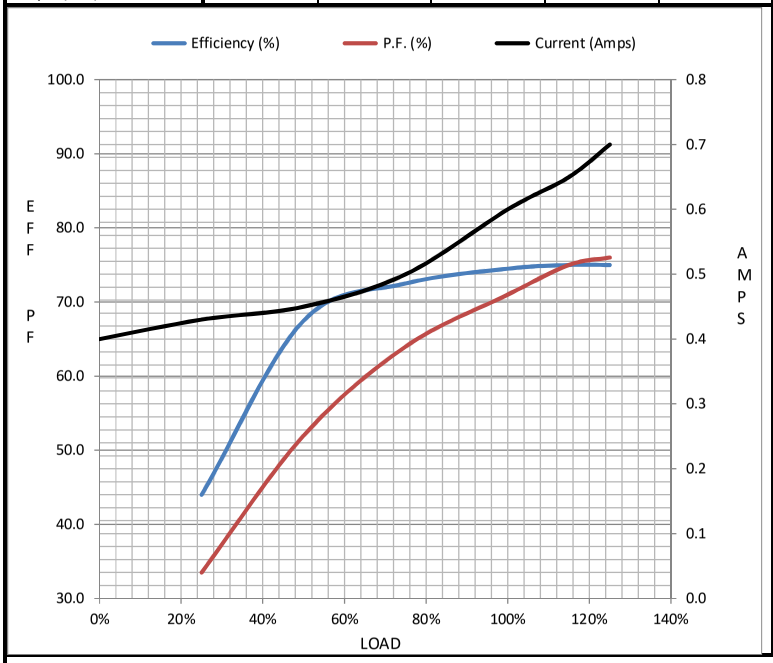
Data @ 460 V

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	3.0	
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	74.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	320	1300	1725	1800
Current (Amps)	3.6	3.5	2.50	0.60	0.40
Torque (ft-lb)	3.0	2.90	3.8	1.00	0.00



Information Block

HP	0.3	
Sync. RPM	1800	
Frame	56	
Enclosure	EPNV	
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	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.04	Lb-Ft²
Ref Wdg	ZT493 R6	
Sound Pressure @ 1M	60	dBA
VFD Rating	NONE	
Outline Dwg	B-104196LE-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