

PRODUCT INFORMATION PACKET



Model No: 119422.00
Catalog No: 119422.00
Explosion Proof Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, EPFC



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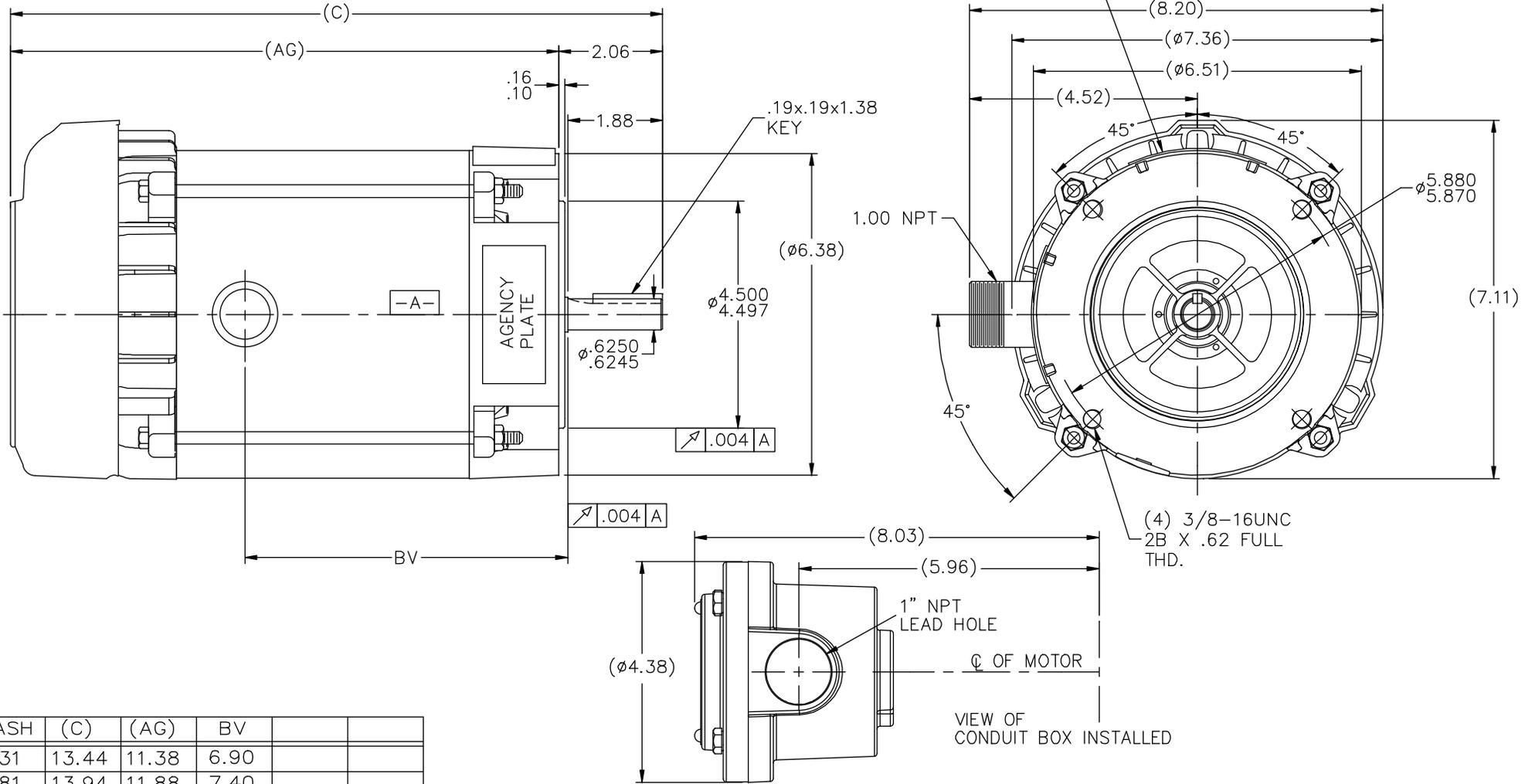
Nameplate Specifications

Phase	3	Output HP	1 & 0.75 Hp
Output KW	0.75 & 0.56 kW	Voltage	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	80 & 81.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3/1.5 & 2.6/1.3 A	Power Factor	83.5
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	2	Rotation	Reversible
Resistance Main	19.5 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	13.94 in
Frame Length	6.81 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	104188LE-681	Connection Drawing	EE7335-LE

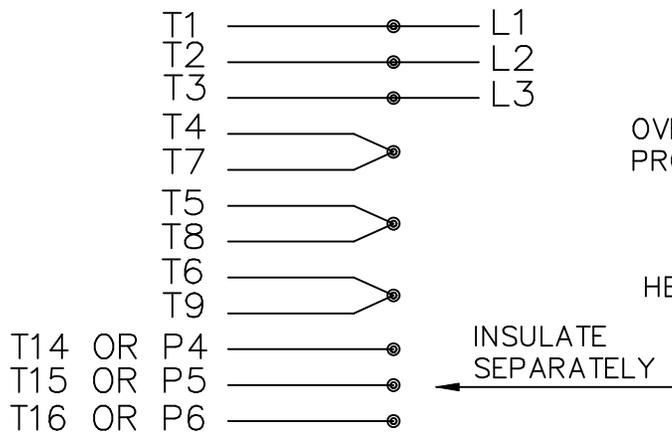
NAMEPLATES TO BE READ FROM SHAFT EXT. END.



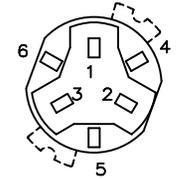
DASH	(C)	(AG)	BV		
631	13.44	11.38	6.90		
681	13.94	11.88	7.40		
731	14.44	12.38	7.90		
781	14.94	12.88	8.40		
831	15.44	13.38	8.90		
881	15.94	13.88	9.40		
931	16.44	14.38	9.90		
981	16.94	14.88	10.40		

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

HIGH VOLTAGE CONNECTIONS

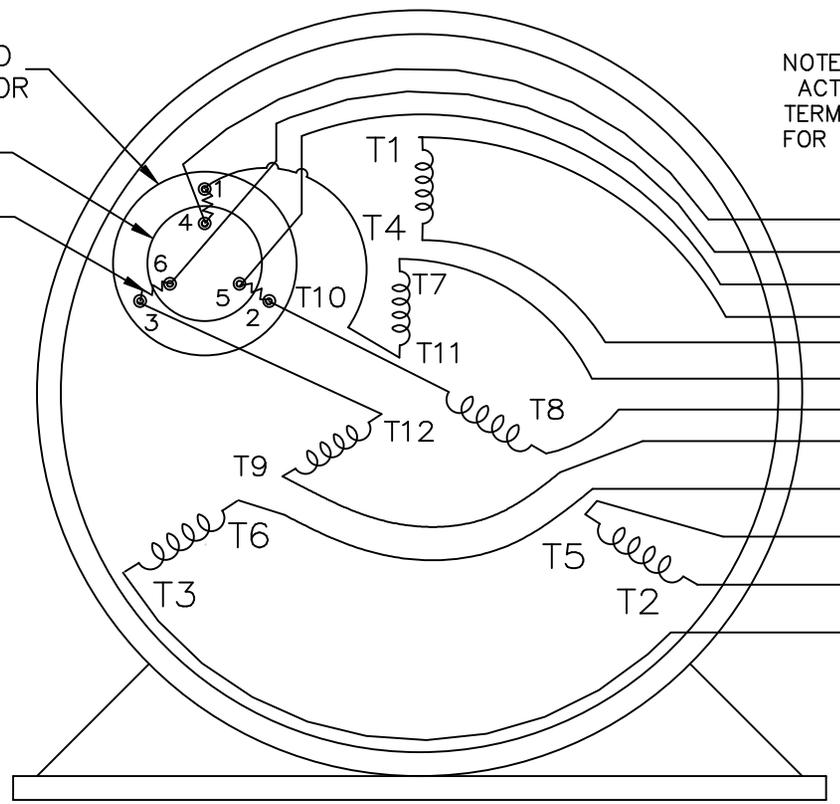


THREE PHASE – DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR



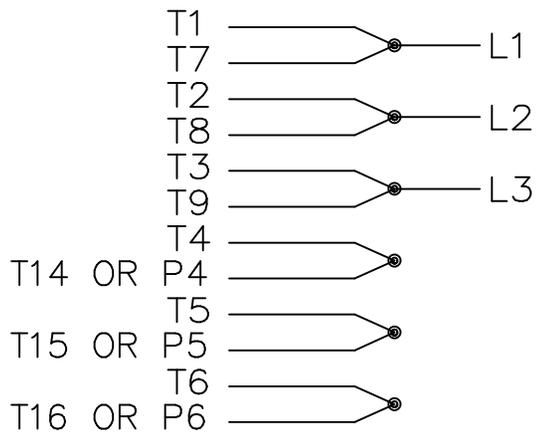
NOTE:
 ACTUAL PROTECTORS
 TERMINAL LOCATIONS
 FOR LEAD CONNECTIONS

OVERLOAD PROTECTOR
 DISC
 HEATER



T14 OR P4
 T16 OR P6
 T15 OR P5

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.				
NO.	REVISION	BY & DATE	CHK	ANG	± -	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	04-20-2005	CAD FILE EE7335_LE	SIZE A	DRAWING NO. EE7335-LE	PAGE OF	REV.
				DIST	WP					

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



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7335-LE
 OUTLINE: B-104188LE-681
 WINDING: ZT270

CAT #: 119422.00

R14 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1	0.75	3600	3500	56C	EPFC	TFR	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	3/1.5&2.6/1.3	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	80.0	3/4 LD EFF	78.0	1/2 LD EFF	75.0	GTD EFF	77.0	ELECT. TYPE
F.L. PF	83.5	3/4 LD PF	78.0	1/2 LD PF	67.5	SQ CAGE IND RUN		

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1.50 LB-FT	11.0	3.5 LB-FT 233%	5.3 LB-FT 353%	35

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
68 dBA	77 dBA	0.03 LB-FT²	0 LB-FT²	10 SEC.	0	32 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 GF	NO	NONE	BLUE (POWDER)

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
11.332	5.652	15.08	17.608	406.12	0.150	ODE

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

DATE: 1/18/2018	BRAKE: NONE	
	NONE	
	NONE	
	NONE	
FT-LB: NA		
VOLTAGE: NONE		
HZ:		
UL: NONE		

Data Sheet

Date: 1/18/2018

119422.00



Data @ 460 V

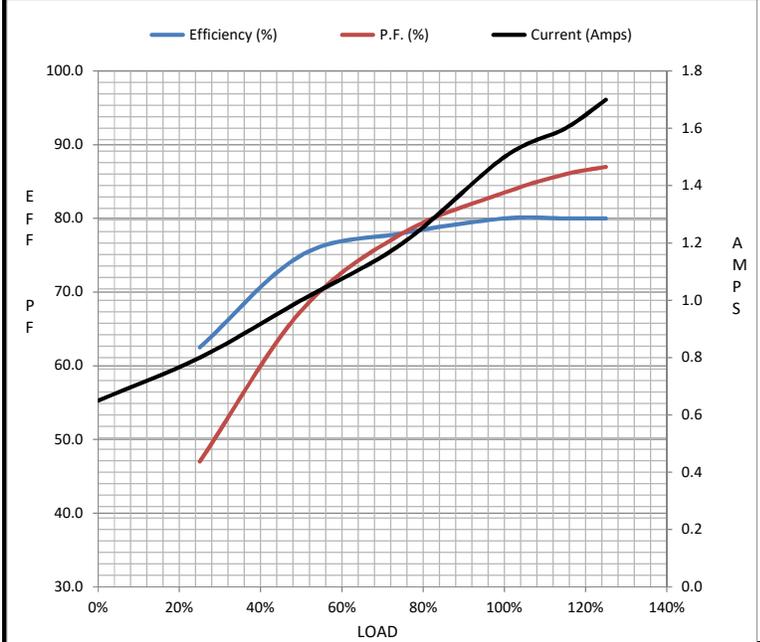
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.65	0.80	1.00	1.20	1.50	1.60	1.70	11.0
Torque (ft-lb)	0.00	0.38	0.75	1.10	1.50	1.70	1.90	3.5
RPM	3600	3570	3550	3525	3500	3,490	3480	0
Efficiency (%)		62.5	75.0	78.0	80.0	80.0	80.0	
P.F. (%)	20.0	47.0	67.5	78.0	83.5	86.0	87.0	66.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2830	3500	3600
Current (Amps)	11.0	10.0	7.0	1.50	0.65
Torque (ft-lb)	3.5	3.2	5.3	1.50	0.00

Information Block				
HP	1.0			
Sync. RPM	3600			
Frame	143			
Enclosure	EPFC			
Construction	TFR			
Voltage	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 wk ²	0.03 Lb-Ft ²			
Ref Wdg	ZT270 R14			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-104188LE-681			
Conn. Diag	EE7335-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
11.3320	5.6520	15.0800	17.6080	406.1200



Speed - Torque Curve

