

PRODUCT INFORMATION PACKET



Model No: A6T34XC47A

Catalog No: 119422.00

..1HP..3600RPM.56C.EPFC.230/460V.3PH.60HZ.CONT.40C.1.00SF.C FACE.....GENERAL
PURPOSE.AUTO.....

Explosion Proof



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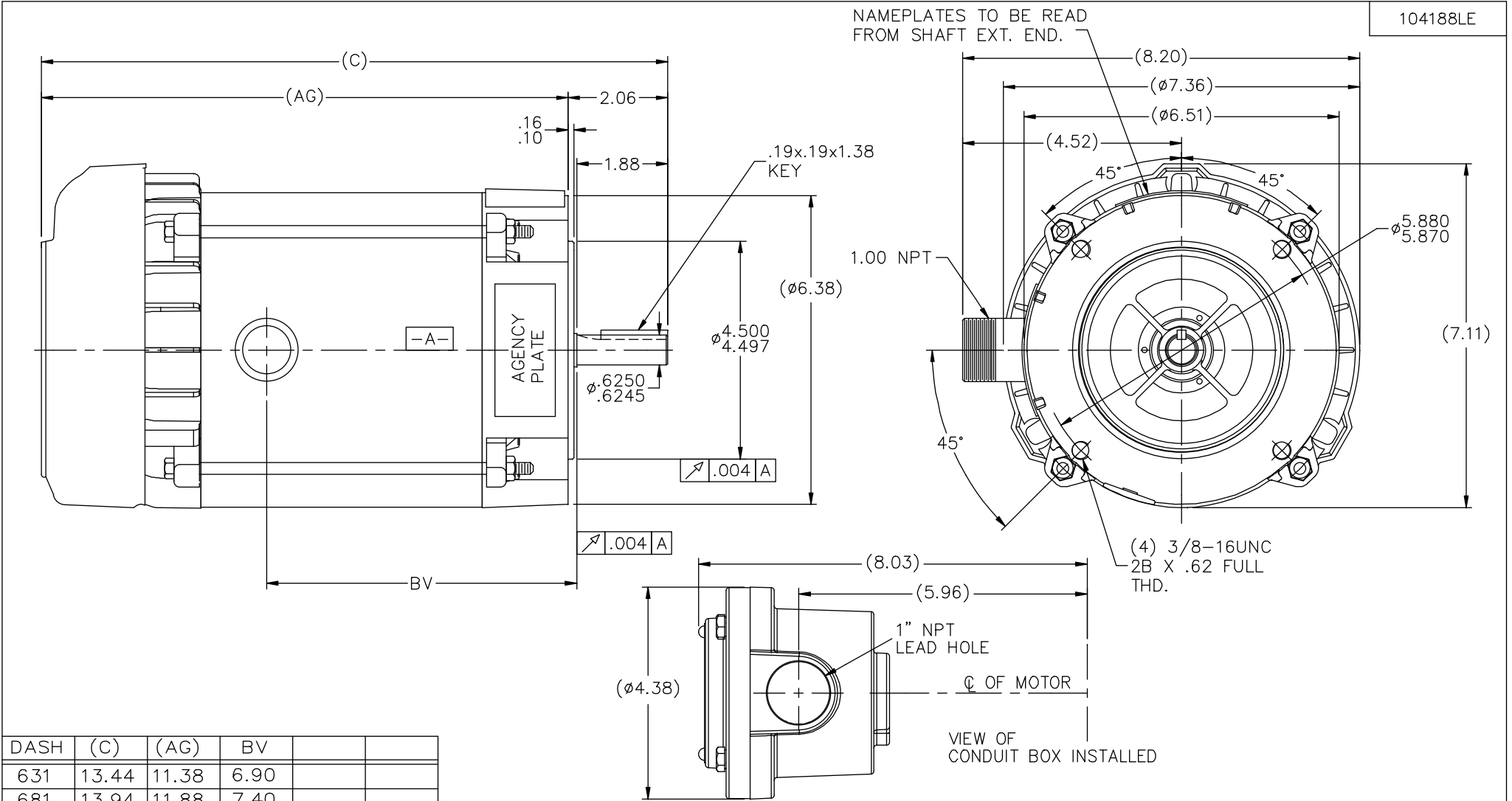


Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	3450 rpm
Service Factor	1	Phase	3
Efficiency	80 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	K	Frame	56C
Enclosure	Explosion Proof Fan cooled	Overload Protector	Automatic
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	54		

Technical Specifications

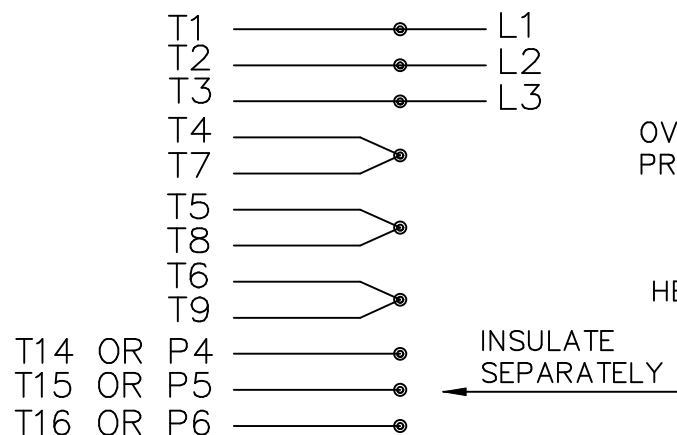
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	13.94 in	Frame Length	6.81 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-104188LE-681	Connection Diagram	EE7335-LE



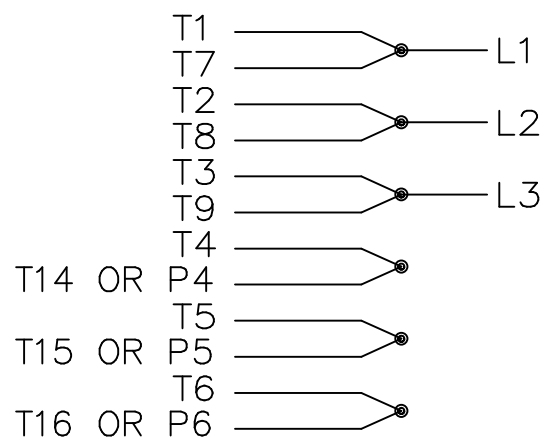
DASH	(C)	(AG)	BV		
631	13.44	11.38	6.90		
681	13.94	11.88	7.40		
731	14.44	12.38	7.90		
781	14.94	12.88	8.40		
831	15.44	13.38	8.90		
881	15.94	13.88	9.40		
931	16.44	14.38	9.90		
981	16.94	14.88	10.40		

				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				SCALE	17=32	
				.XXX	±.005				REF		
01	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD	10/10/13	ST	.XXXX ±.0005		TITLE OUTLINE - 'C' FACE 56 FR. - EXP. PR.		FMF		
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	DRAWING NO.	PAGE	OF
				DIST	WP			B	104188LE		01

HIGH VOLTAGE CONNECTIONS

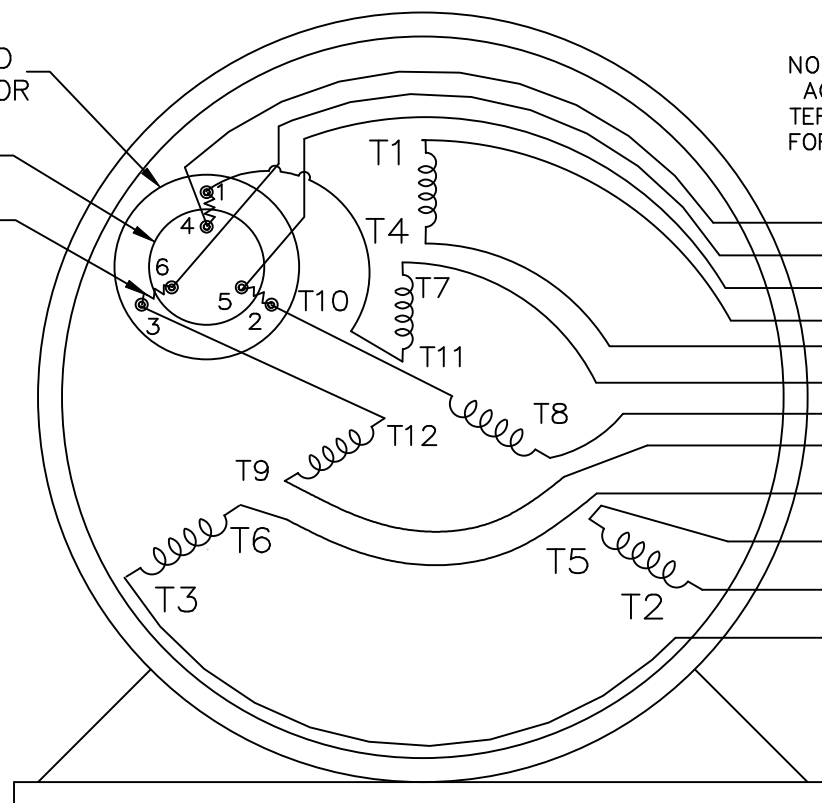


LOW VOLTAGE CONNECTIONS

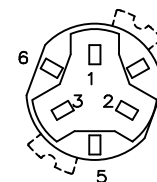
THREE PHASE – DUAL VOLTAGE MOTOR
WITH OVERLOAD PROTECTOROVERLOAD
PROTECTOR

DISC

HEATER



VIEW OF TERMINAL END



NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

T14 OR P4
 T16 OR P6
 T15 OR P5

T1
 T4
 T7
 T8
 T9
 T6
 T5
 T2
 T3

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	± -			FMF			
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.	PAGE	OF	REV.
				DIST	WP			EE7335-LE			



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: Z1270

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	ELECT. TYPE			
F.L.PF		83.5	3/4 LD PF	78.0	1/2 LD PF	67.5	77.0	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.

Data Sheet

Date: 1/18/2018

119422.00



Data @ 460 V

Motor Load Data

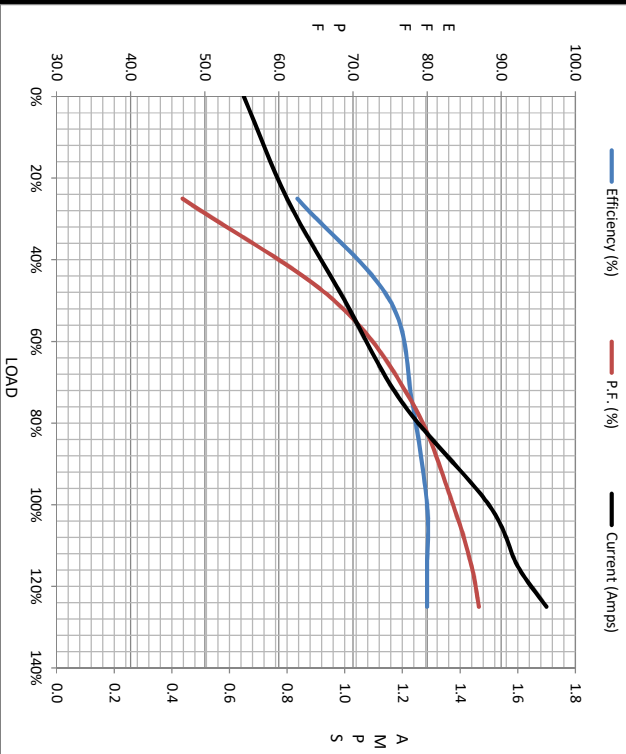
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.65	0.80	1.00	1.20	1.50	1.60	1.70	11.0	
Torque (ft-lb)	0.00	0.38	0.75	1.10	1.50	1.70	1.90	3.5	
RPM	3600	3570	3550	3525	3500	3490	3480	0	
Efficiency (%)		62.5	75.0	78.0	80.0	80.0	80.0		
P.F. (%)	20.0	47.0	67.5	78.0	83.5	86.0	87.0	66.0	

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 wk²	0.03 Lb-Ft²			
Rel Wdg	Z1270 R14			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-104180LE-661			
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

