

PRODUCT INFORMATION PACKET



Model No: A6T34XK25A

Catalog No: 119436.00

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

Explosion Proof



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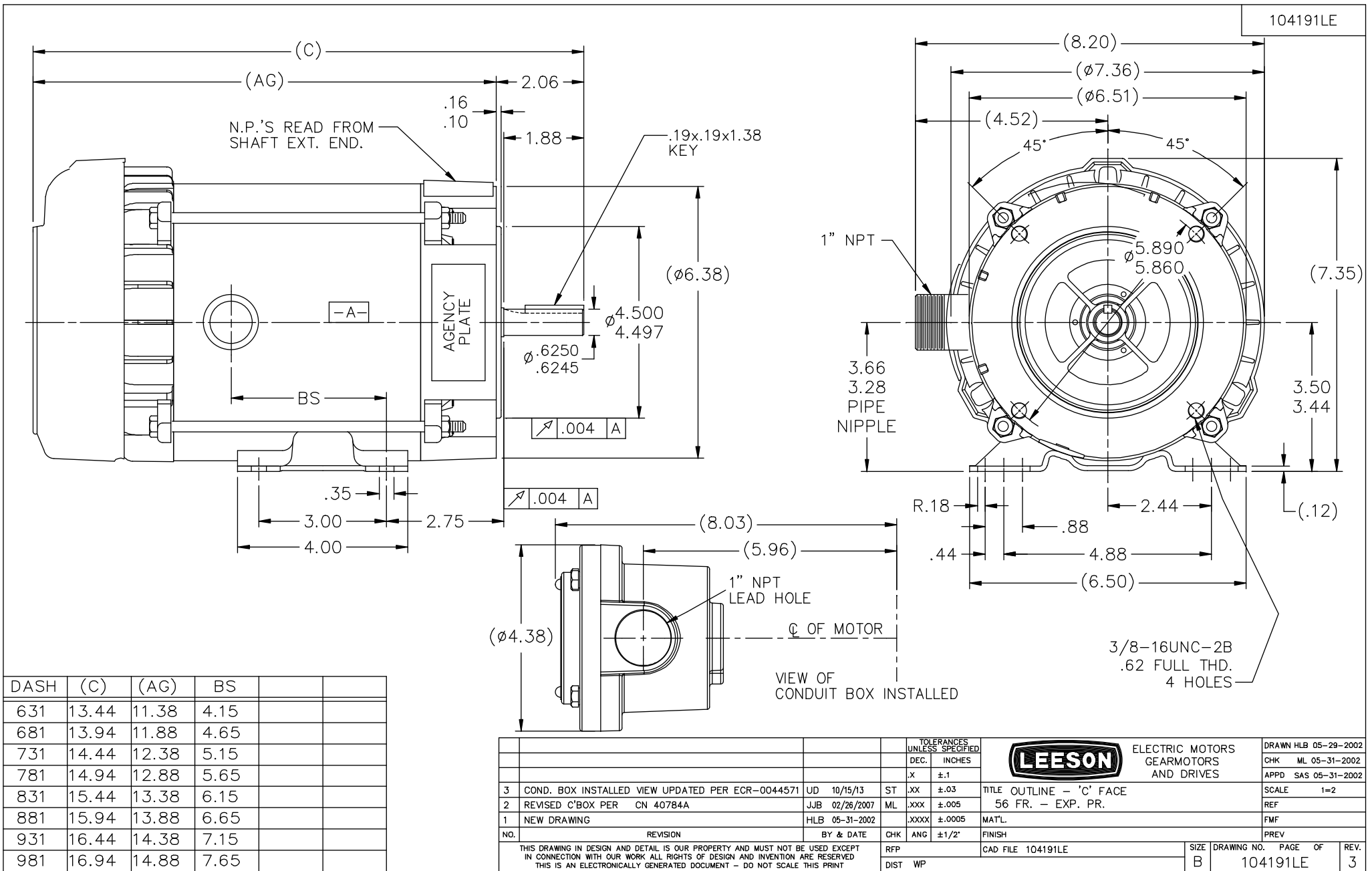


Nameplate Specifications

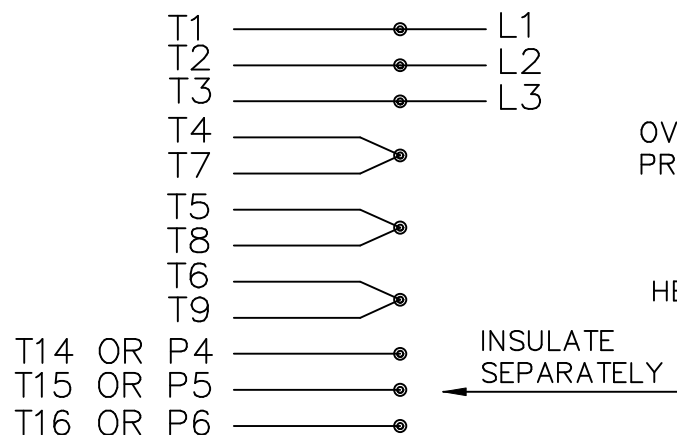
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	3450 rpm
Service Factor	1	Phase	3
Efficiency	80 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	K	Frame	56C
Enclosure	Explosion Proof Fan cooled	Overload Protector	Automatic
Ambient Temperature	40 °C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

Technical Specifications

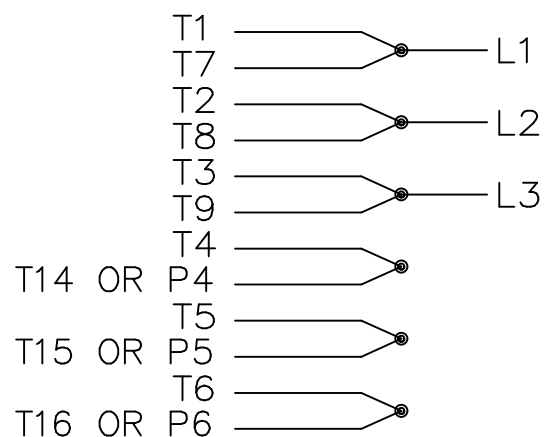
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	13.94 in	Frame Length	6.81 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-104191LE-681	Connection Diagram	EE7335-LE



HIGH VOLTAGE CONNECTIONS

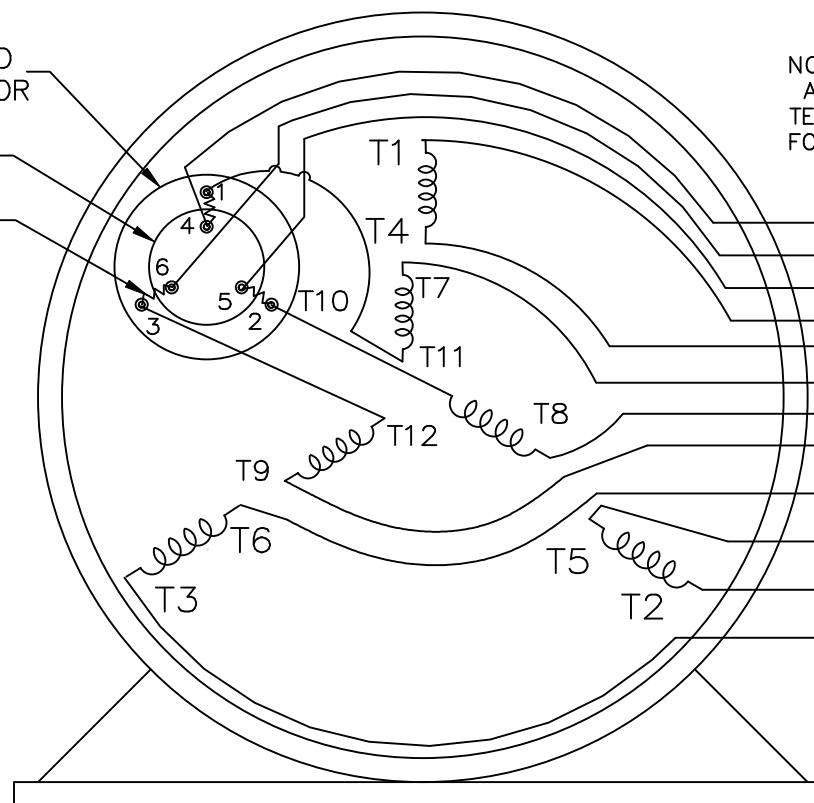


LOW VOLTAGE CONNECTIONS

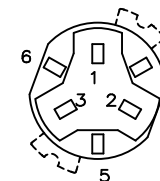
THREE PHASE – DUAL VOLTAGE MOTOR
WITH OVERLOAD PROTECTOROVERLOAD
PROTECTOR

DISC

HEATER



NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS



T14 OR P4
 T16 OR P6
 T15 OR P5

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	± -		TITLE CONNECTION DIAGRAM 3Ø- DUAL VOLTAGE W/OVERLOAD PROTECTOR	REF			
				.XXXX	± -		MAT'L.	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	DRAWING NO.	PAGE	OF	REV.
				DIST	WP		A	EE7335-LE			



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WAUSAU, WI 54401-8003
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DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7335-LE
OUTLINE: B-104191LE-681
WINDING: Z1270

CAT #: 119436.00

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		SC 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	DRIIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	DE CL IGR C&D CL II GF	NO	NONE	BLUE (POWDER)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE CODE								
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		
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	
		BRAKE: NONE	
		NONE PPR	
DATE: 2/5/2018		FT-LB: NONE NA NONE	
		VOLTAGE: NONE	
		UL: NONE	
		HZ:	

Data Sheet

Date: 1/17/2018

119436.00



Data @ 460 V

Motor Load Data

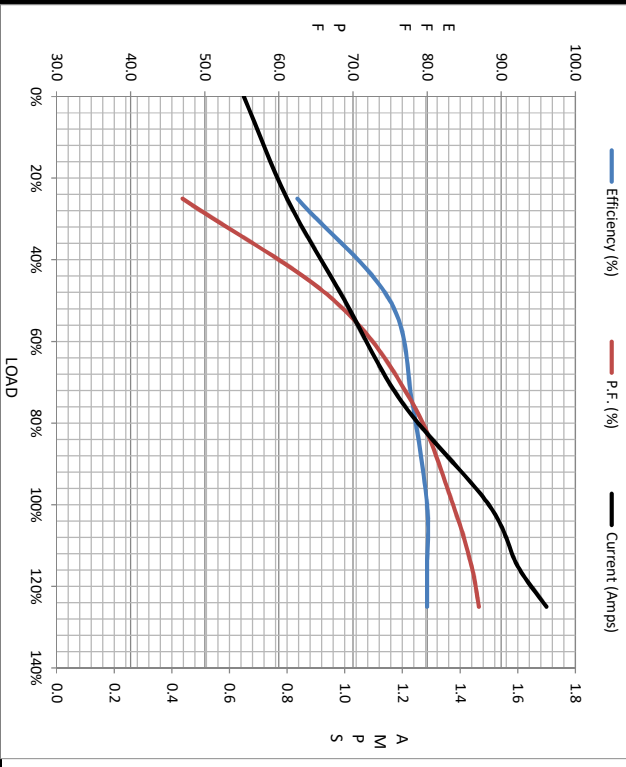
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.65	0.80	1.00	1.20	1.50	1.60	1.70	11.0	
Torque (ft-lb)	0.00	0.38	0.75	1.10	1.50	1.70	1.90	3.5	
RPM	3600	3570	3550	3525	3500	3490	3480	0	
Efficiency (%)		62.5	75.0	78.0	80.0	80.0	80.0		
P.F. (%)	20.0	47.0	67.5	78.0	83.5	86.0	87.0	66.0	

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-104191LE-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

