PRODUCT INFORMATION PACKET

Model No: A6T34XC48A

Catalog No: 119428.00

..1.5HP..3600RPM.56C.EPFC.230/460V.3PH.60HZ.CONT.40C.1.00SF.C FACE.....GENERAL PURPOSE.AUTO.....

Explosion Proof

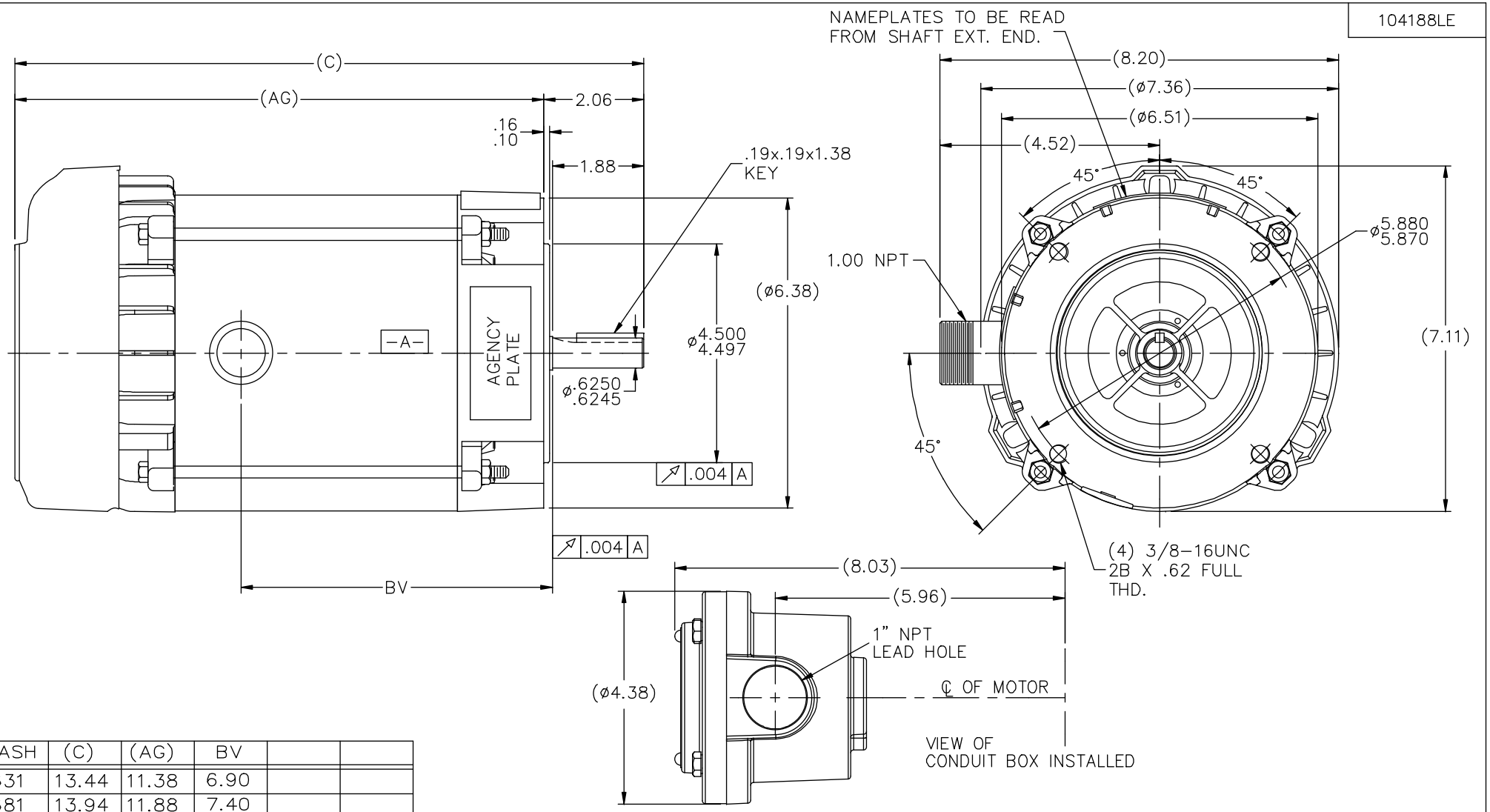
Product Information Packet: Model No: A6T34XC48A, Catalog No:119428.00
..1.5HP..3600RPM.56C.EPFC.230/460V.3PH.60HZ.CONT.40C.1.00SF.C FACE.....GENERAL PURPOSE.AUTO.....

Nameplate Specifications

Output HP	**1.50 Hp**	Output KW	**1.1 kW**
Frequency	**60 Hz**	Voltage	**208-230/460 V**
Current	**4.2-4.0/2.0 A**	Speed	**3450 rpm**
Service Factor	**1**	Phase	**3**
Efficiency	**84 %**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**B**
KVA Code	**M**	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	**14.94 in**	Frame Length	**7.81 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**B-104188LE-781**	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		

NO.	REVISION	BY & DATE	CHK
01	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD 10/10/13	ST

TOLERANCES UNLESS SPECIFIED

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE – 'C' FACE 56 FR. – EXP. PR.

MAT'L.

FINISH

RFP 06-22-2007

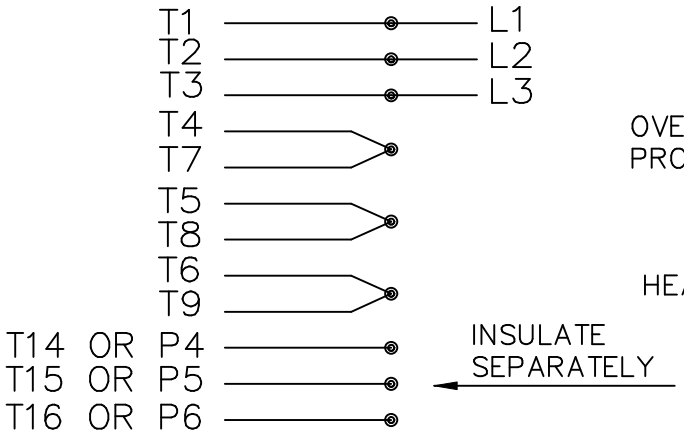
CAD FILE 104188LE

DIST WP

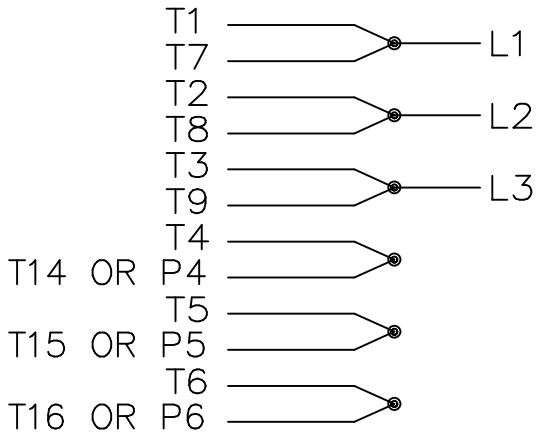
DRAWN RJW 06-22-2007
CHK ML 06-22-2007
APPD GK 06-22-2007
SCALE 17=32
REF
FMF
PREV

SIZE B | DRAWING NO. 104188LE | PAGE OF | REV. 01

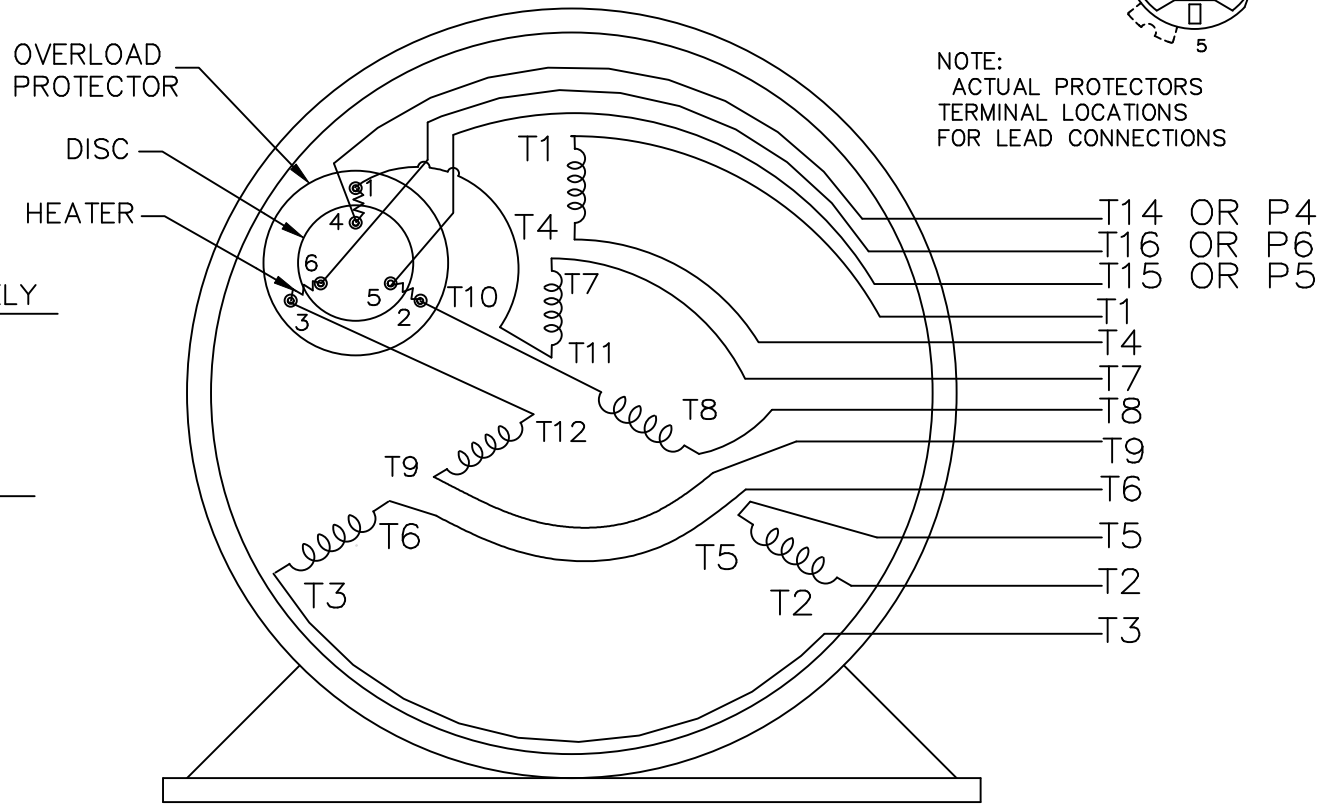
HIGH VOLTAGE CONNECTIONS

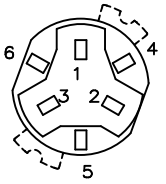


LOW VOLTAGE CONNECTIONS



THREE PHASE – DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR





NOTE:
ACTUAL PROTECTORS TERMINAL LOCATIONS FOR LEAD CONNECTIONS

VIEW OF TERMINAL END

T2K
T4D
T6AN

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	± –
.XX	± –
.XXX	± –
.XXXX	± –
ANG	± –

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM
3Ø– DUAL VOLTAGE W/OVERLOAD PROTECTOR

MAT'L.
FINISH
CAD FILE EE7335_LE

RFP 04–20–2005
DIST WP

DRAWN	NJS 04–20–2005
CHK	ML 04–20–2005
APPD	MJS 04–20–2005
SCALE	
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7335–LE | PAGE OF | REV.

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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-781
WINDING: ZT2141 R1 1

CAT #: 119428.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	3600	3515	56C	TEFC	TFR	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	4.2-4/2&3.4/1.7	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	84.0	3/4 LD EFF	84.8	1/2 LD EFF	82.3	GTD EFF	ELECT. TYPE
F.L. PF	83.5	3/4 LD PF	77.8	1/2 LD PF	67.2	82.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
2.20 LB-FT	19.4	7.3 LB-FT 332%	9.6 LB-FT 436%	38	

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
69 dBA	78 dBA	0.05 LB-FT²	3 LB-FT²	20 SEC.	2	55 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	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
1.419	0.946	2.318	2.129	79.937	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: NONE

DATE: 1/29/2018

Data Sheet

Date: 1/29/2018

119428.00

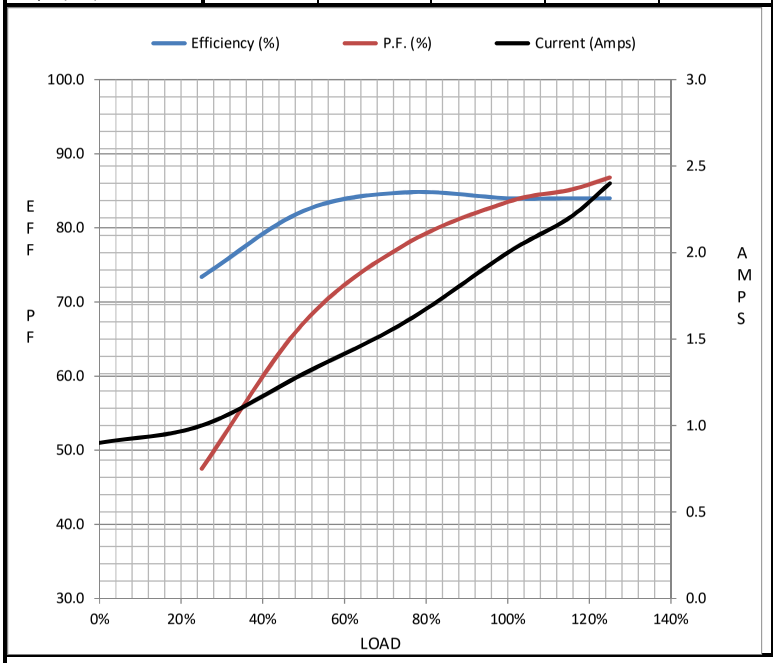
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.90	1.00	1.30	1.60	2.00	2.20	2.40	19.4	
Torque (ft-lb)	0.00	0.60	1.10	1.70	2.20	2.60	2.80	7.3	
RPM	3600	3575	3555	3535	3515	3,500	3485	0	
Efficiency (%)		73.4	82.3	84.8	84.0	84.0	84.0		
P.F. (%)	17.0	47.5	67.2	77.8	83.5	85.1	86.8	58.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	2815	3515	3600
Current (Amps)	19.4	18.6	12.1	2.00	0.90
Torque (ft-lb)	7.3	6.1	9.6	2.20	0.00



Information Block

HP	1.5	
Sync. RPM	3600	
Frame	143	
Enclosure	TEFC	
Construction	TFR	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	M	
Service Factor	1.15	
Temp Rise @ FL	38	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.05	Lb-Ft²
Ref Wdg	ZT2141 R1	
Sound Pressure @ 1M	69	dBA
VFD Rating	NONE	
Outline Dwg	B-104188LE-781	
Conn. Diag	EE7335-LE	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.4190	0.9460	2.3180	2.1290	79.9370