

PRODUCT INFORMATION PACKET

Model No: 100LTFC4536

Catalog No: R352

Cast Iron Motor, 4 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 100L Frame, TEFC



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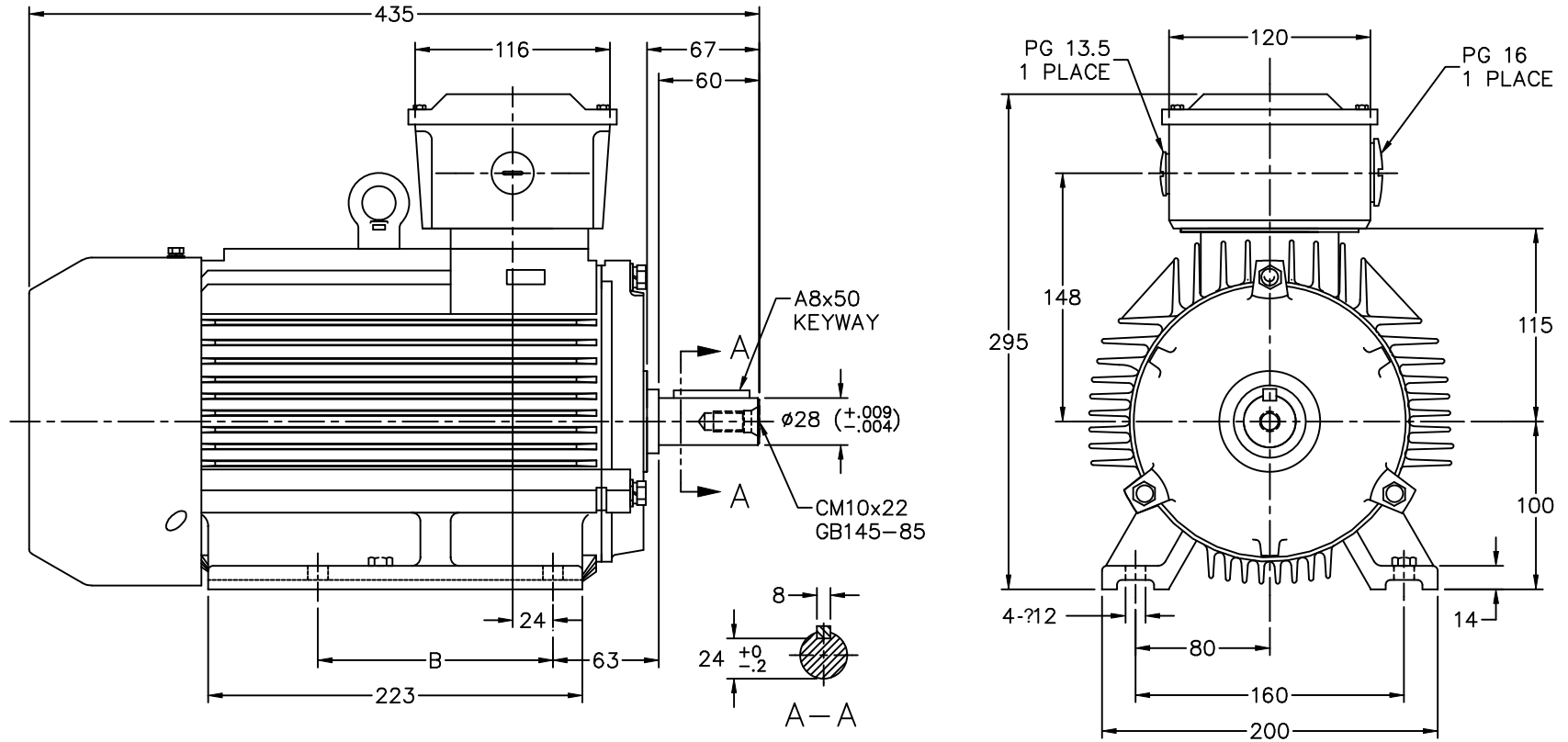
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Nameplate Specifications

Phase	3	Output HP	4 & 4 Hp
Output KW	3.0 & 3.0 kW	Voltage	230/460 & 200/400 V
Speed	1755 & 1450 rpm	Service Factor	1.15 & 1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	88.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	10.8/5.4 & 12.4/6.2 A	Power Factor	77.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206
UL	No	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	2.42 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	17.12 in
Shaft Diameter	1.111 in	Shaft Extension	2.36 in
Assembly/Box Mounting	F3		
Outline Drawing	SS620006-100L	Connection Drawing	00546501ME



ALL DIMENSIONS TO BE REF. DIMENSION.

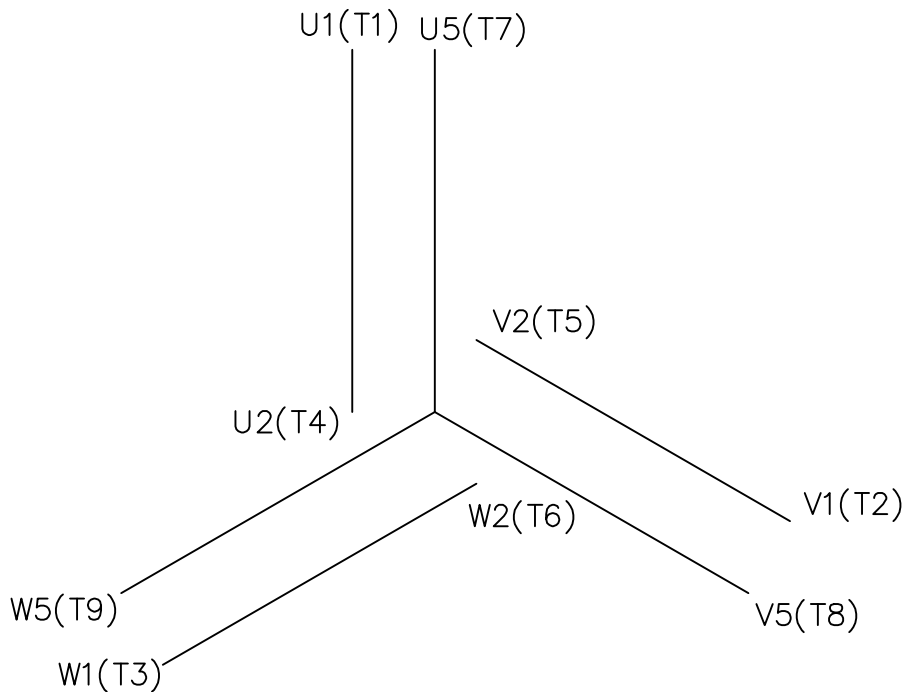
FRAME	B	
100L	140	

		TOLERANCES UNLESS SPECIFIED			DRAWN CTO 10-04-2004
		DEC.	METRIC		CHK ML 10-04-2004
		.X	± 2.5	TITLE OUTLINE - IEC 100 FR.	APPD SB 10-04-2004
		.XX	$\pm .76$		SCALE 3=8
		.XXX	$\pm .127$		REF
		.XXXX	$\pm .0127$	MATL	FMF
NO.	REVISION	BY & DATE	CHK ANG $\pm 7'30''$	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 10-05-2004	CAD FILE ss620006	SIZE B
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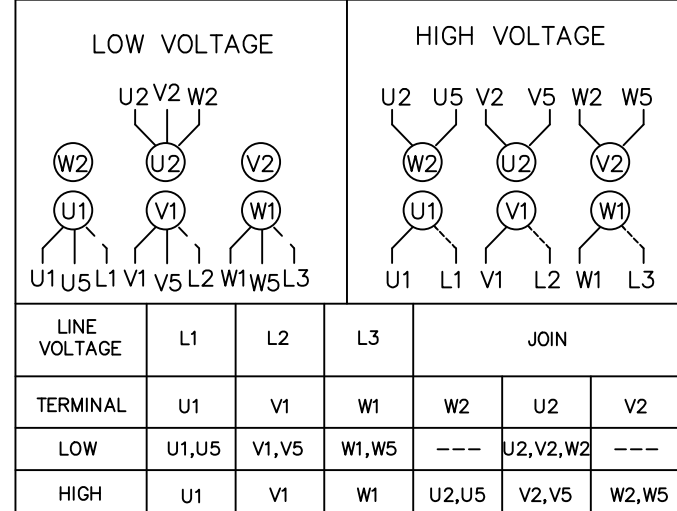
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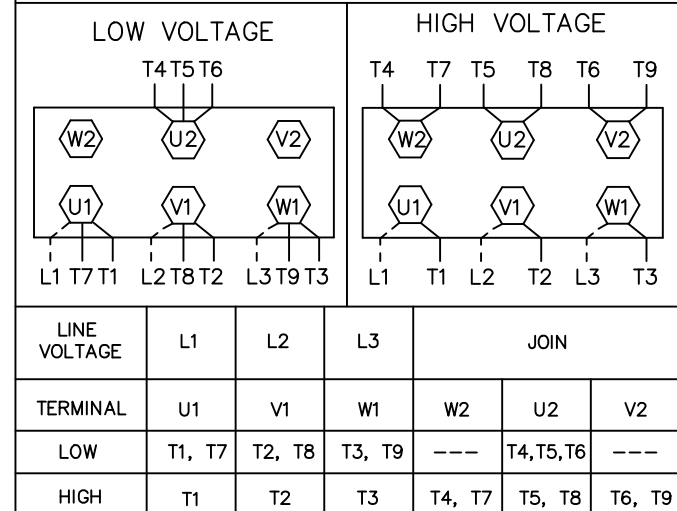


REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

IEC MARKINGS



NEMA MARKINGS



				TOLERANCES UNLESS SPECIFIED			DRAWN JGO 3/10/04		
				DEC.	INCHES		CHK SB 02-17-2010		
				.X	±.1		APPD MJS 02-17-2010		
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				.XXXX	±.0005	MAT'L. IEC/NEMA MARKINGS	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV		
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P.O. BOX 8003
 WAUSAU, WI 54401-8003
 PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ **CUSTOMER P.O. #:** _____
ORDER #: _____ **REFERENCE MODEL #:** 100LTFC4536
CONN. DIAGRAM: 00546501ME **CAT #:** R352
OUTLINE: SS620006-100L **CUSTOMER PART #:** _____
WINDING: 100LTFC4536 NONE 1 **MOUNTING:** F3
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
4	3.0	1800	1755	100L	TEFC	TFC	K	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	10.8/5.4&12.4/6.2	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	88.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF	ELECT. TYPE
F.L. PF	77.6	3/4 LD PF	72.0	1/2 LD PF	61.0	87.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
12.0 LB-FT	41.0	30.2 LB-FT 252%	41.5 LB-FT 346%	35

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
53 dBA	62 dBA	0.00 LB-FT ²	0 LB-FT ²	0 SEC.	0	112 LB.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	ZONTAL OR SHAFT D	TRUE	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	STANDARD IEC	NONE	NONE	VERIFY	CAST IRON
BALL	BALL						
6206	6206						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

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

PREPARED BY: EARL BABBITTS DATE: 5/5/2017	BRAKE: NONE NONE NONE					
	FT-LB: NA VOLTAGE: NONE HZ: UL: NONE					

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 5/5/2017
 Customer: _____
 Attention: _____
 Submitted by: EARL BABBITTS



100LTC4536

Submittal

Data @ 460 V

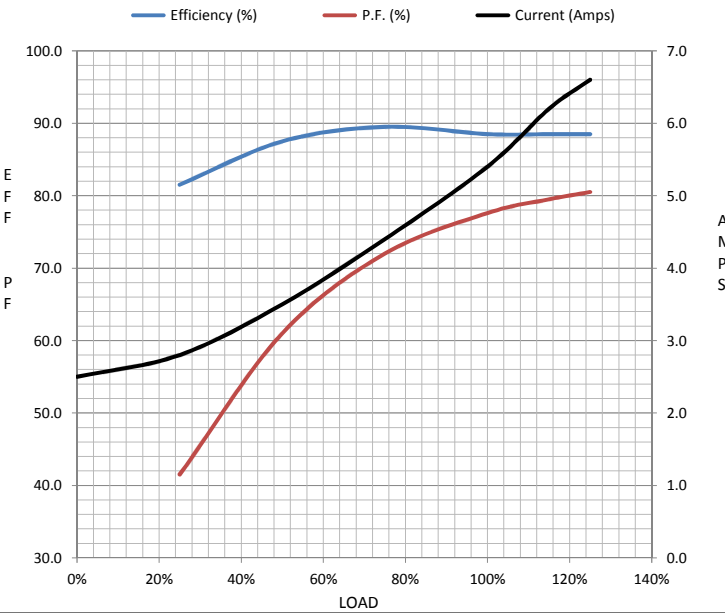
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.50	2.80	3.5	4.4	5.4	6.2	6.6	41.0
Torque (ft-lb)	0.00	3.0	6.0	9.0	12.0	14.0	15.0	30.2
RPM	1800	1788	1780	1768	1755	1,750	1740	0
Efficiency (%)		81.5	87.5	89.5	88.5	88.5	88.5	
P.F. (%)	7.5	41.5	61.0	72.0	77.6	79.5	80.5	43.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1475	1755	1800
Current (Amps)	41.0	38.0	25.5	5.4	2.50
Torque (ft-lb)	30.2	26.0	41.5	12.0	0.00

Information Block				
HP	4.0			
Sync. RPM	1800			
Frame	100			
Enclosure	TEFC			
Construction	TFC			
Voltage	30/460#200/40V			
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	0.00 Lb-Ft ²			
Ref Wdg	100LTC4536 NONE			
Sound Pressure @ 1M	53 dBA			
VFD Rating	NONE			
Outline Dwg	SS620006-100L			
Conn. Diag	00546501ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

