

BALDOR® • RELIANCE

Product Information Packet

L3609T-50

3HP,1425RPM,1PH,50HZ,184T,3646LC,TEFC,F1

Part Detail							
Revision:	AJ	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646LC	Elec. Spec:	36WGX380	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36E004	Layout:	36LYE004
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-27-2013
Leads:	4#14 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1372L									
CAT.NO.	L3609T-50								
SPEC.	36E04X380								
HP	3								
VOLTS	110/220								
AMP	25/12.5								
RPM	1425								
FRAME	184T	HZ			50	PH	1		
SER.F.	1.15	CODE			G	DES	L	CL	F
NEMA-NOM-EFF	84.5	PF			98				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6206	ODE			6205				
ENCL	TEFC	SN							
	IP54								

Parts List		
Part Number	Description	Quantity
SA034456	SA 36E04X380	1.000 EA
RA030484	RA 36E04X380	1.000 EA
OC3060C09	CYL OIL CAP 60MFD/240V	1.000 EA
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3101A01SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	2.000 EA
36GS3000	GASKET, CAPACITOR COVER LEXIDE	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
36CB3800SP	CAPACITOR COVER, CAST	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
36FH4009A76	IEC FH W/GRSR,GRILL,DIMPLES, AUTOPHERETI	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
SP5064A01	MODEL 36 TYPE LC STATIONARY SWITCH LEAD	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 27232 - Typical performance - not guaranteed values

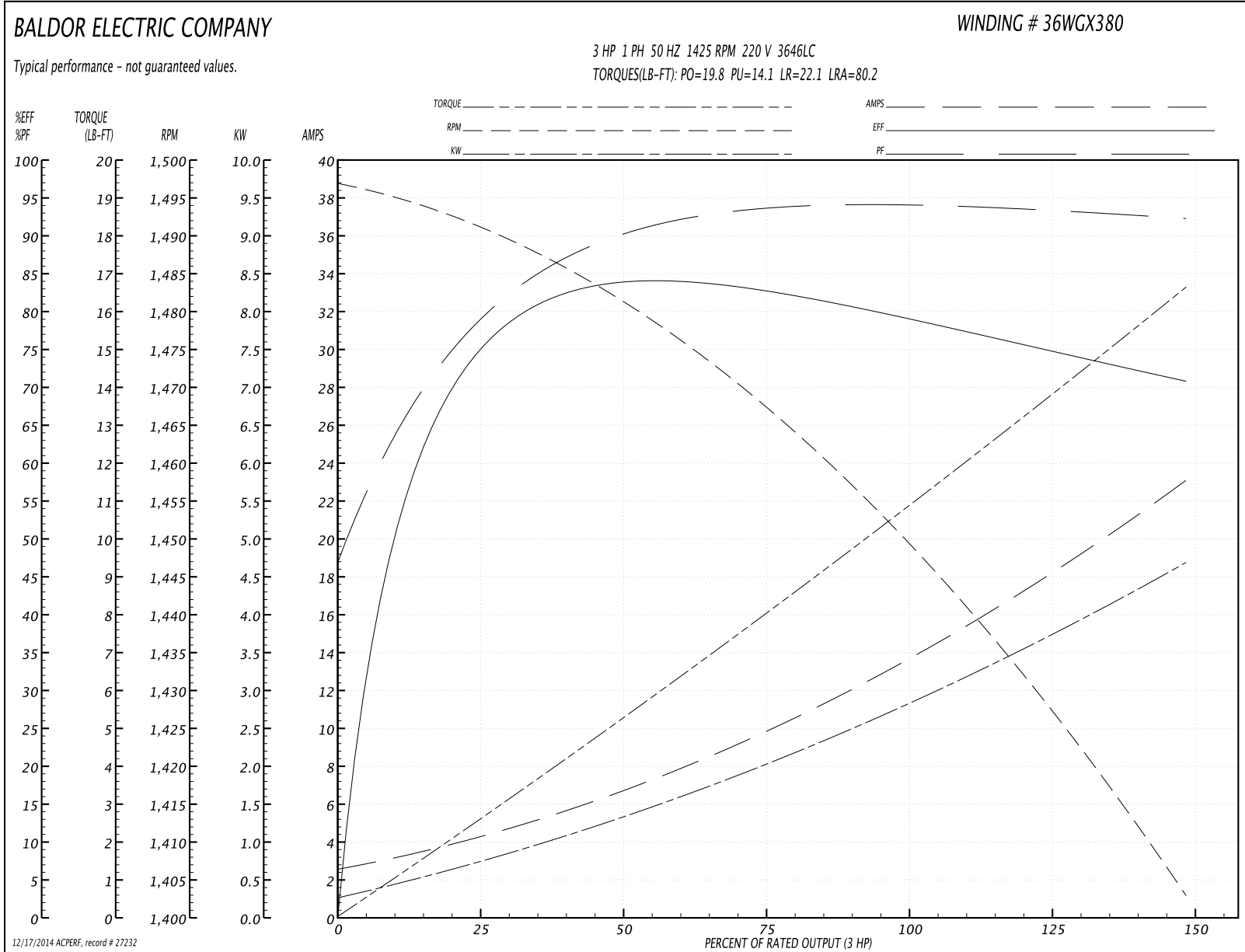
Winding: 36WGX380-R001	Type: 3646LC	Enclosure: TEFC
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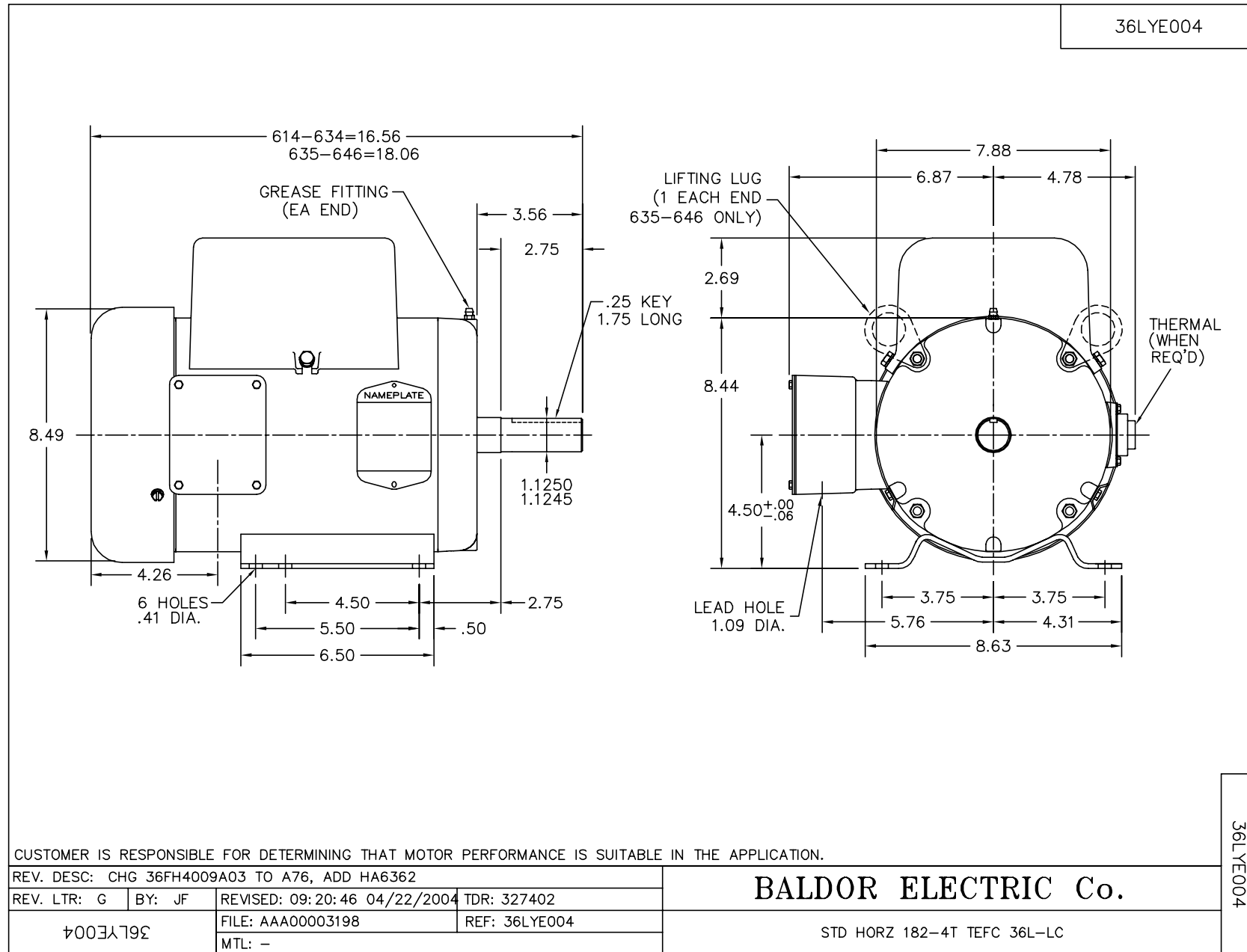
Nameplate Data				220 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	11.3 LB-FT
Volts	110/220			Start Configuration	direct on line
Full Load Amps	25/12.5			Breakdown Torque	19.8 LB-FT
R.P.M.	1425			Pull-up Torque	14.1 LB-FT
Hz	50	Phase	1	Locked-rotor Torque	22.1 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	80.2 A
Service Factor (S.F.)	1			No-load Current	2.47 A
NEMA Nom. Eff.	84.5	Power Factor	98	Line-line Res. @ 25°C	0.832 Ω A Ph 1.42 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 220 V, 50 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	83	91	93	93	93	92
Efficiency	72.4	81.4	81.3	80	76.2	69.7
Speed	1489	1478	1464	1449	1430	1400
Line amperes	4.32	7.22	10.6	14.1	17.9	23.4

Performance Graph at 220V, 50Hz, 3.0HP Typical performance - Not guaranteed values





CD0055

