

**BALDOR® • RELIANCE** 

**Product Information Packet**

**L3609T-50**

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

Part Detail							
Revision:	AP	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGX380	CD Diagram:	CD0055	Mfg Plant:	
Mech. Spec:	36E004	Layout:	36LYE004	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	09-10-2015	Leads:	4#14 A PH,2#16 B PH		

Specs			
Catalog Number:	L3609T-50	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	184T	KVA Code:	G
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 50 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1500 RPM @ 50 HZ	Motor Lead Quantity/Wire Size:	4 @ 14 AWG, A PH
Voltage @ Frequency:	220.0 V @ 50 HZ	Motor Lead Exit:	Ko Box
	110.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3646LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	98
	WEEE	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
	CE	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

<b>Blower:</b>	None	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
<b>Current @ Voltage:</b>	12.500 A @ 220.0 V	<b>Shaft Rotation:</b>	Reversible
	25.000 A @ 110.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	L	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	NONE (OLD)
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 2:</b>	None

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
OC3060C09SP	CAPACITOR 60 MFD 240 VAC	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	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	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	PUEP ASSEMBLY FOR ROUTING PURPOSES	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 - GALVANNEAL	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	KEY, 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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
36FH4009A124	IEC FH W/GRSR,GRILL,NO DIMPLES,PRIMER	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	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) 5/18	1.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	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	PKG GRP, PRINT PK1017A06	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
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

<b>Winding:</b> 36WGX380-R001	<b>Type:</b> 3646LC	<b>Enclosure:</b> TEFC
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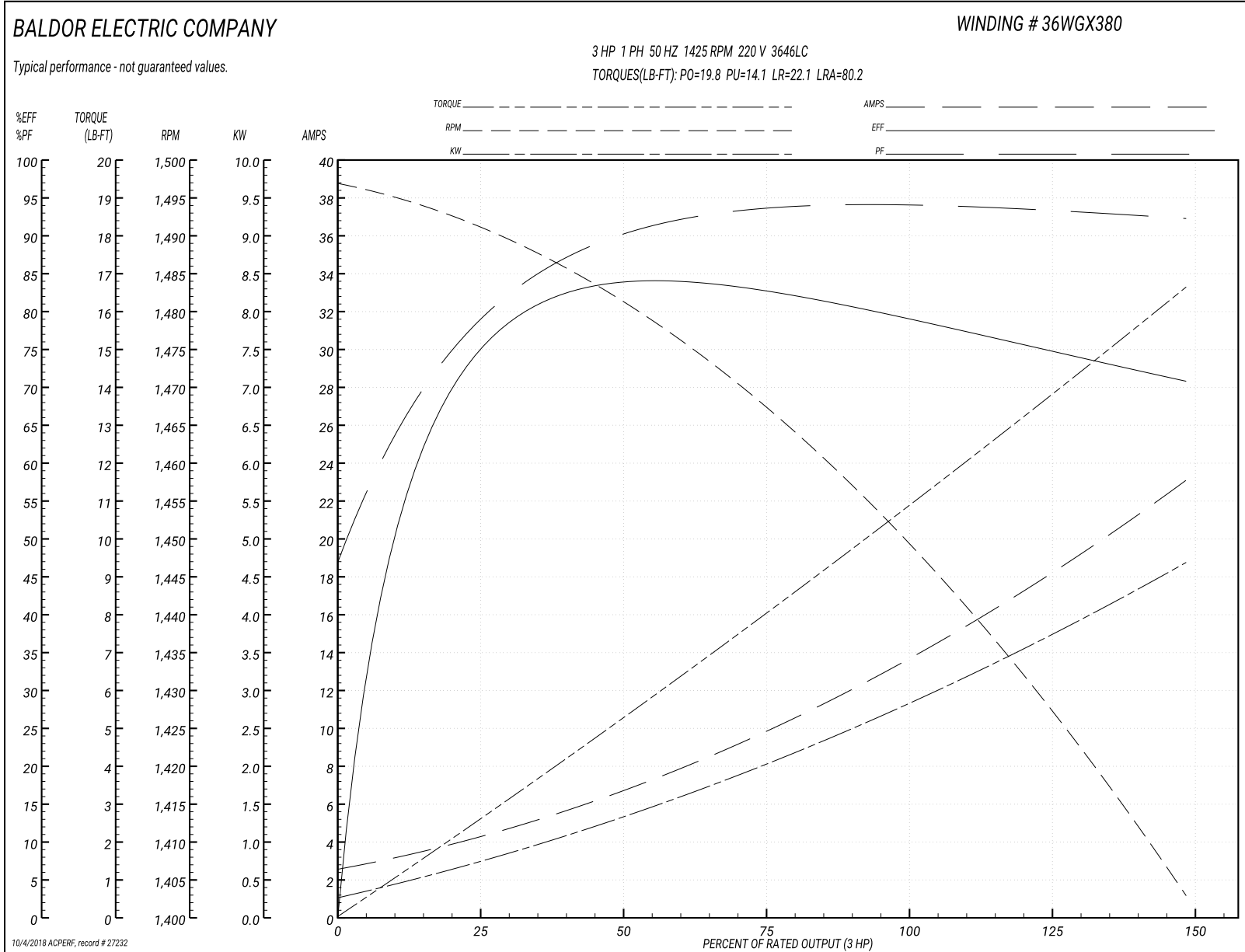
Nameplate Data				220 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	11.3 LB-FT
Volts	110/220			Start Configuration	direct on line
Full Load Amps	25/12.5			Breakdown Torque	19.8 LB-FT
R.P.M.	1425			Pull-up Torque	14.1 LB-FT
Hz	50	Phase	1	Locked-rotor Torque	22.1 LB-FT
NEMA 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

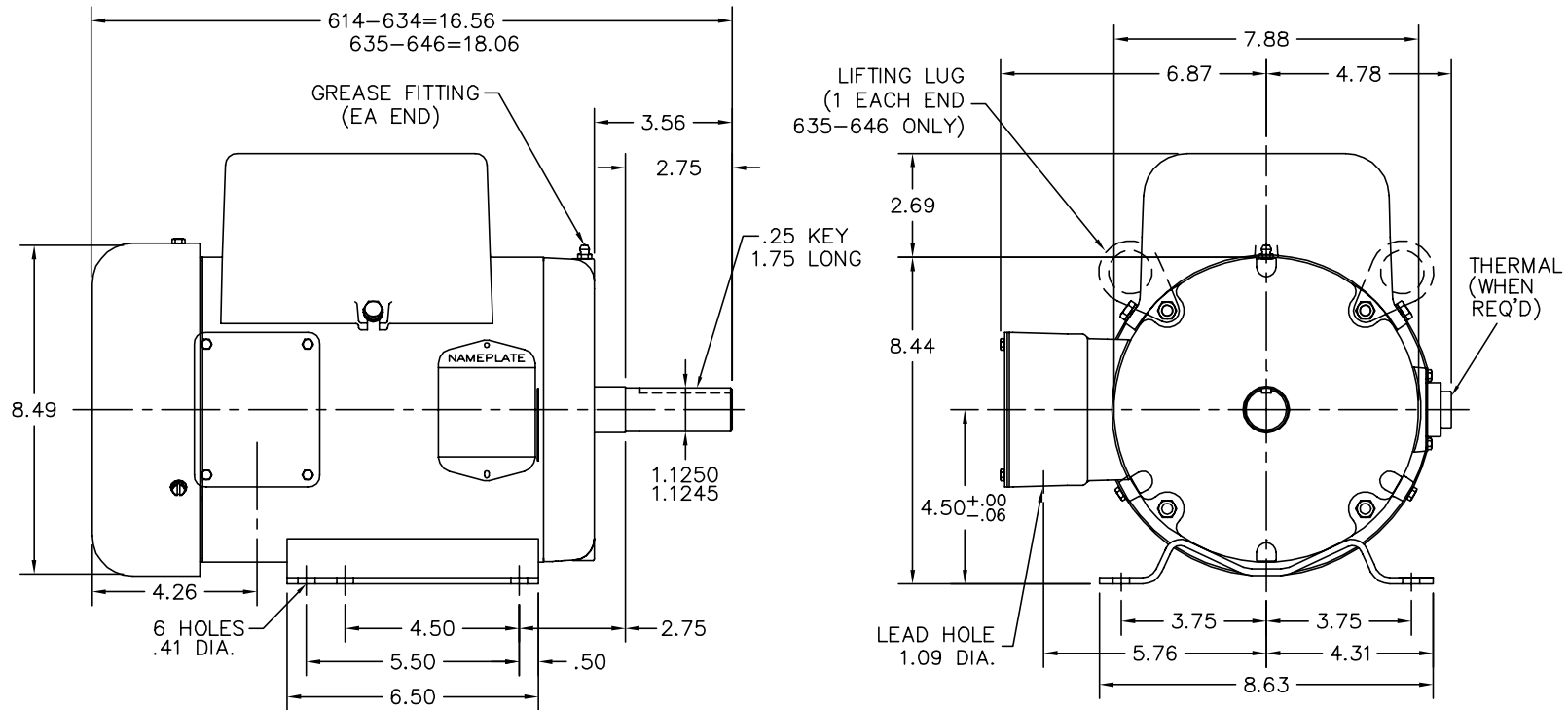
% of Rated Load	25	50	75	100	125	150
Power Factor	83	91	93	93	93	92
Efficiency	72.4	81.4	81.3	80	76.2	69.7
Speed	1489	1478	1464	1449	1430	1400
Line amperes	4.32	7.22	10.6	14.1	17.9	23.4



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



36LYE004



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: CHG FREP TO 36EP3104A01, CHG FH TO 36FH4009A124		
REV. LTR: H	VERSION: 02	TDR: 000000919753
FILE: \AAA\00003\198	REVISED: 02:06:19 04/10/2015	BY: FGCHAH1
MTL: -	⊙ □	

**BALDOR**

STD HORZ 182-4T TEFC 36L-LC

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