

BALDOR® • RELIANCE

Product Information Packet

VL3609T

3HP,1725RPM,1PH,60HZ,184TC,3634LC,TEFC

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634LC	Elec. Spec:	36WGY129	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36E003	Layout:	36LYE003
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2015
Leads:	4#14 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	VL3609T											
SPEC.	36E03Y129											
HP	3											
VOLTS	115/230											
AMP	28/14											
RPM	1725											
FRAME	184TC				HZ		60				PH	1
SER.F.	1.00		CODE		K	DES		L	CLASS		F	
NEMA-NOM-EFF	78			PF		85						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								15.5
DE	6206				ODE		6205					
ENCL	TEFC		SN									

Parts List		
Part Number	Description	Quantity
SA034441	SA 36E03Y129	1.000 EA
RA030469	RA 36E03Y129	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	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 #8 SCREW	1.000 EA
36FE3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	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
36PE3301A23	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER PRIMED	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
37GS1001	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
36CB5005A14	CAPACITOR BOX KIT,36CB3800,EC1460A05	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 11204 - Typical performance - not guaranteed values

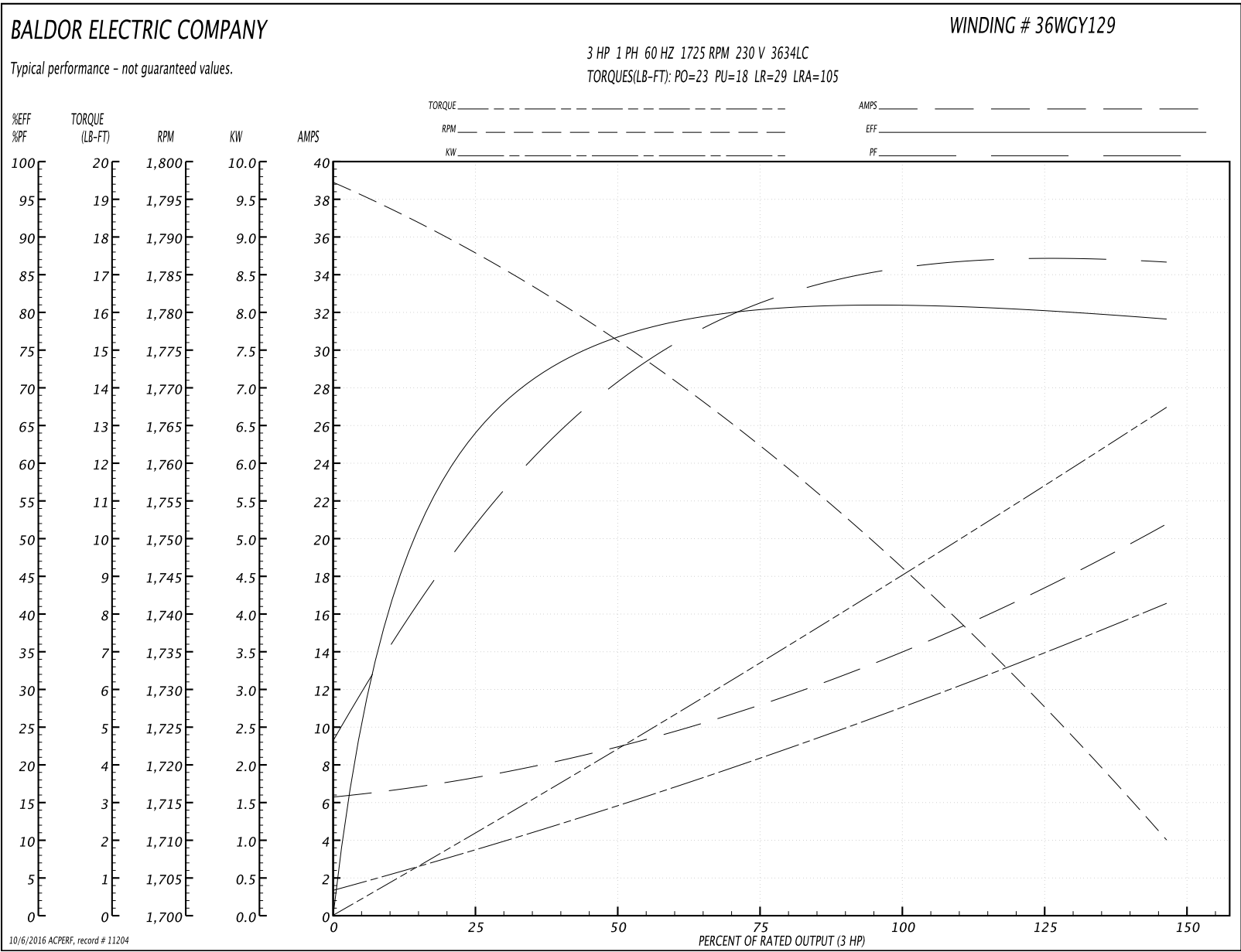
Winding: 36WGY129-R001	Type: 3634LC	Enclosure: TEFC
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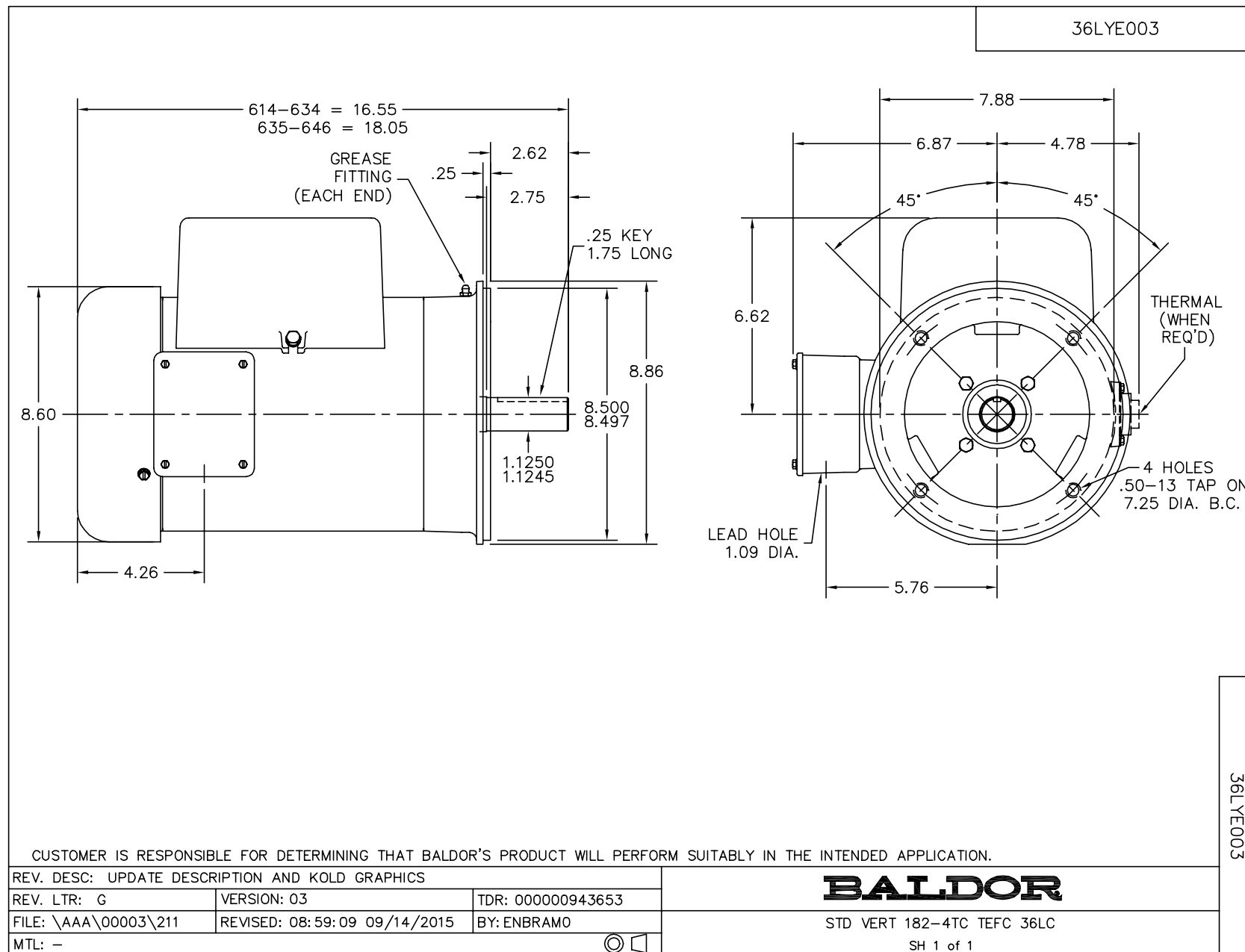
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	9 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	28/14			Breakdown Torque	23 LB-FT
R.P.M.	1725			Pull-up Torque	18 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	29 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	105 A
Service Factor (S.F.)	1			No-load Current	6.35 A
NEMA Nom. Eff.	78	Power Factor	85	Line-line Res. @ 25°C	0.688 Ω A Ph 0.628 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	86°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	53	71	81	86	88	89
Efficiency	63.3	76.2	80.4	81.4	80.7	78.8
Speed	1787	1775	1762	1747	1730	1709
Line amperes	7.25	9	11.3	14	17.1	20.8

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values





CD0055

