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Product Information Packet

EL3605T

2HP,1740RPM,1PH,60HZ,184T,3623LC,TEFC,F1

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Part Detail							
Revision:	AQ	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3623LC	**Elec. Spec:**	36WGY546	**CD Diagram:**	CD0055
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	36E004	**Layout:**	36LYE004
Frame:	182T	**Mounting:**	F1	**Poles:**	04	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	09-22-2016
Leads:	4#14 A PH,2#16 B PH					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP2116L

CAT.NO.	EL3605T								
SPEC.	36E004Y546G1								
HP	2								
VOLTS	115/230								
AMP	17.6/8.8								
RPM	1740								
FRAME	182T			**HZ**	60			**PH**	1
SER.F.	1.15		**CODE**	J		**DES**	L	**CL**	F
NEMA-NOM-EFF	82.5		**PF**	90					
RATING	40C AMB-CONT								
CC							**USABLE AT 208V**		
DE	6206			**ODE**	6205				
ENCL	TEFC		**SN**						
	SFA 20.4/10.2								

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Parts List

Part Number	Description	Quantity
SA034406	SA 36E004Y546G1	1.000 EA
RA030434	RA 36E004Y546G1	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
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	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
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

Parts List (continued)

Part Number	Description	Quantity
36CB5009A01	CAP BOX KIT,36CB3800,EC1645A06(1)	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	6.000 EA
36FH4009A102	IEC FH GREASER PRIMED	1.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP2116L	ALUM SUPER-E UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

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Accessories

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

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AC Induction Motor Performance Data

Record # 11408 - Typical performance - not guaranteed values

Winding: 36WGY546-R001	**Type:** 3623LC	**Enclosure:** TEFC

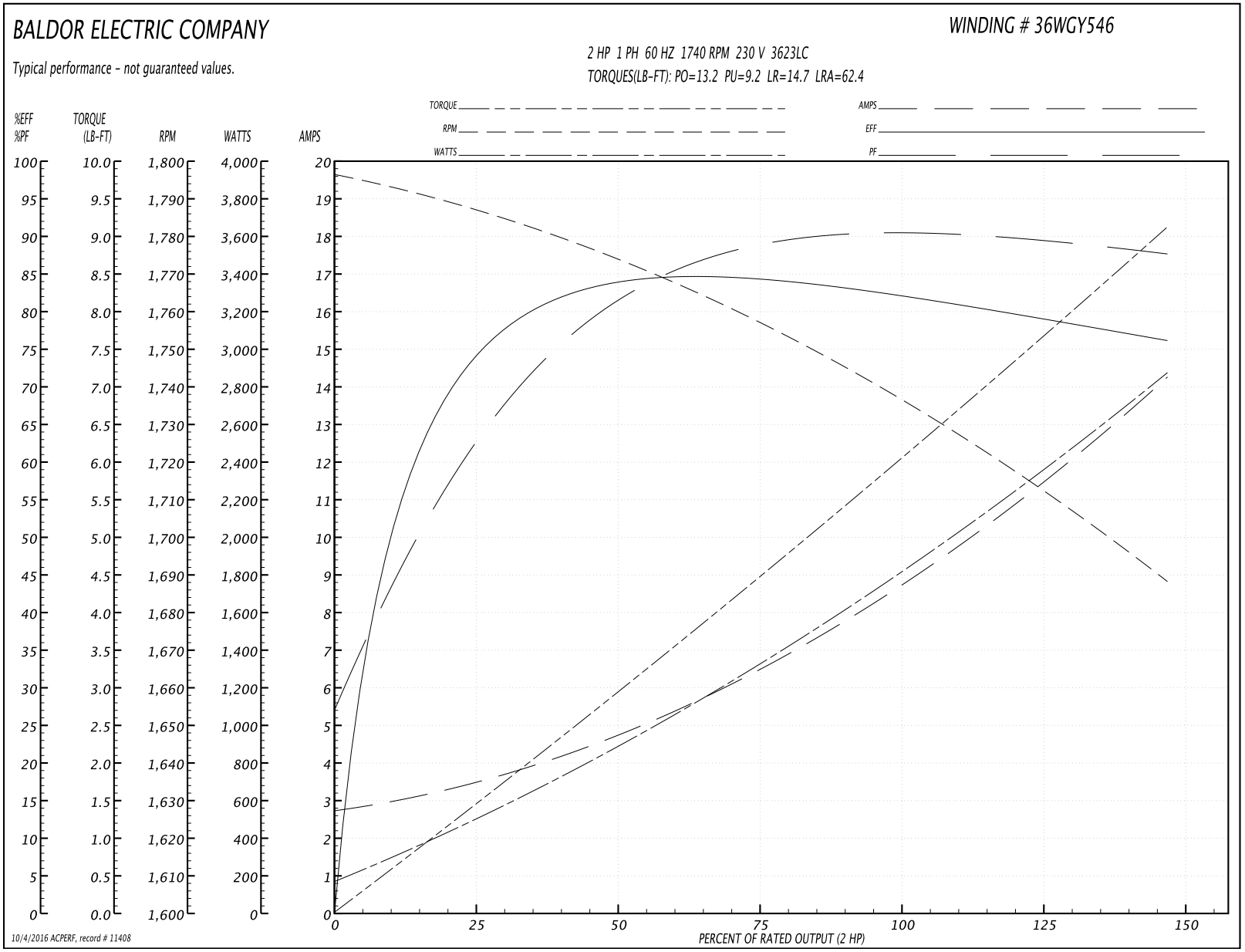
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.1 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	17.6/8.8			Breakdown Torque	13.2 LB-FT
R.P.M.	1740			Pull-up Torque	9.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	14.7 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	62.4 A
Service Factor (S.F.)	1.15			No-load Current	2.72 A
NEMA Nom. Eff.	82.5	Power Factor	90	Line-line Res. @ 25ºC	1.22 Ω A Ph 0.64 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps	20.4/10.2			Temp. Rise @ S.F. Load	71°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	82	87	90	91	90	0
Efficiency	72.4	82.1	84	83	80.1	75.4	0
Speed	1784	1771	1755	1739	1716	1685	0
Line amperes	3.48	4.9	6.68	8.78	11.28	14.36	10.2

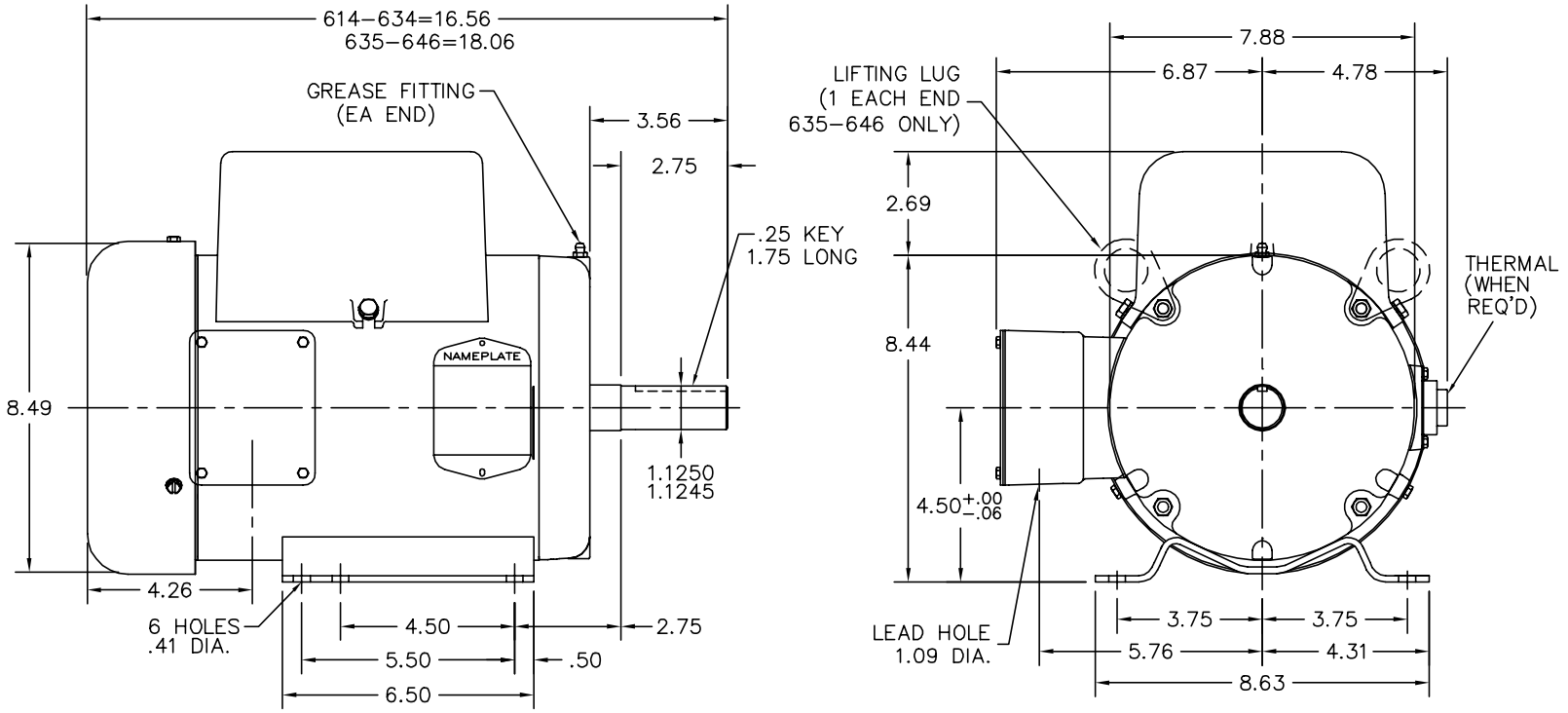
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Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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36LYE004



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: –		

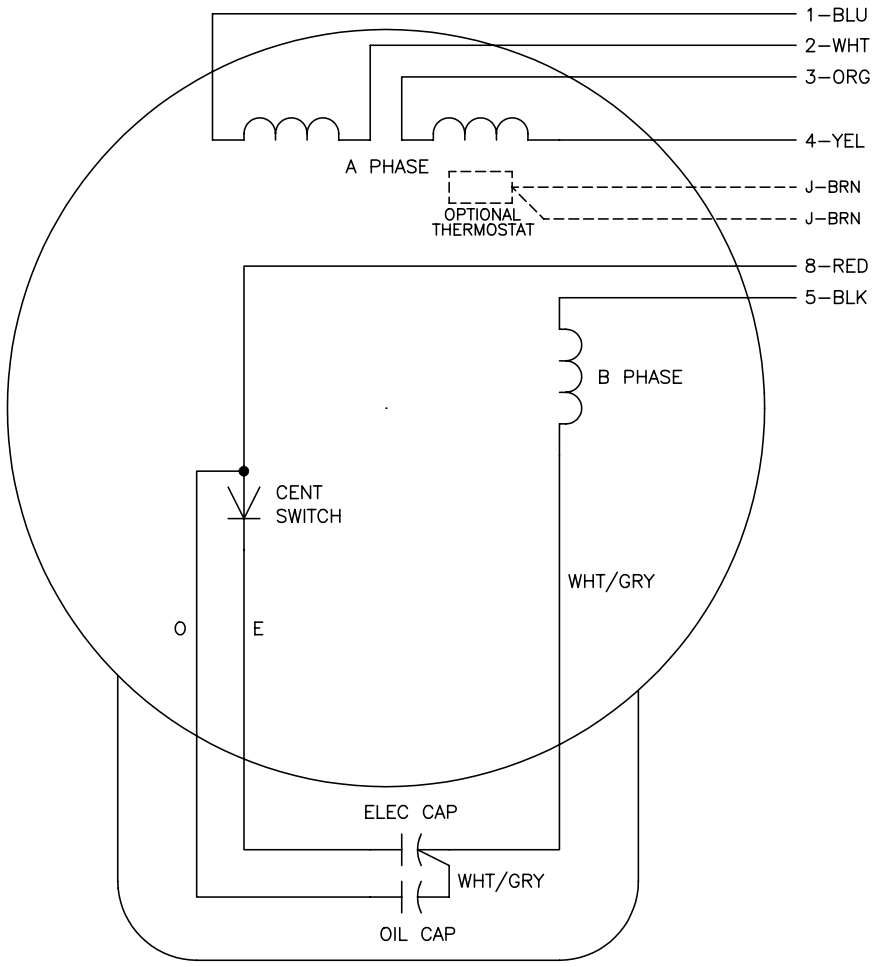
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STD HORZ 182–4T TEFC 36L–LC

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CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS

CD0055

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