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Product Information Packet

EL1409T

5HP,3450RPM,1PH,60HZ,184T,3634LC,OPEN,F1

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Part Detail							
Revision:	P	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3634LC	**Elec. Spec:**	36WGS116	**CD Diagram:**	CD0017A02
Enclosure:	OPEN	**Mfg Plant:**		**Mech. Spec:**	36E002	**Layout:**	36LYE002
Frame:	184T	**Mounting:**	F1	**Poles:**	02	**Created Date:**	11-13-2008
Base:	RG	**Rotation:**	R	**Insulation:**	B	**Eff. Date:**	09-10-2015
Leads:	2#14 A PH,2#16 B PH					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP2116L

CAT.NO.	EL1409T							
SPEC.	36E002S116E7							
HP	5							
VOLTS	230							
AMP	20							
RPM	3450							
FRAME	184T	**HZ**	60	**PH**	1			
SER.F.	1.15	**CODE**	F	**DES**	L	**CL**	B	
NEMA-NOM-EFF	81.5	**PF**	97					
RATING	40C AMB-CONT							
CC				**USABLE AT 208V**				
DE	6206	**ODE**	6205					
ENCL	OPEN	**SN**						

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Parts List

Part Number	Description	Quantity
SA177109	SA 36E002S116E7	1.000 EA
RA165162	RA 36E002S116E7	1.000 EA
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000 EA
EC1145C06SP	ELEC CAP 230V 2.0 X 4.3	2.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	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
36FE3200A01	FR ENDPLATE, ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3201A01	PU ENDPLATE, ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID	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
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	6.000 EA
36CB3800SP	CAPACITOR COVER, CAST	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	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
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	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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AC Induction Motor Performance Data

Record # 28247 - Typical performance - not guaranteed values

Winding: 36WGS116-R001	**Type:** 3634LC	**Enclosure:** OPEN

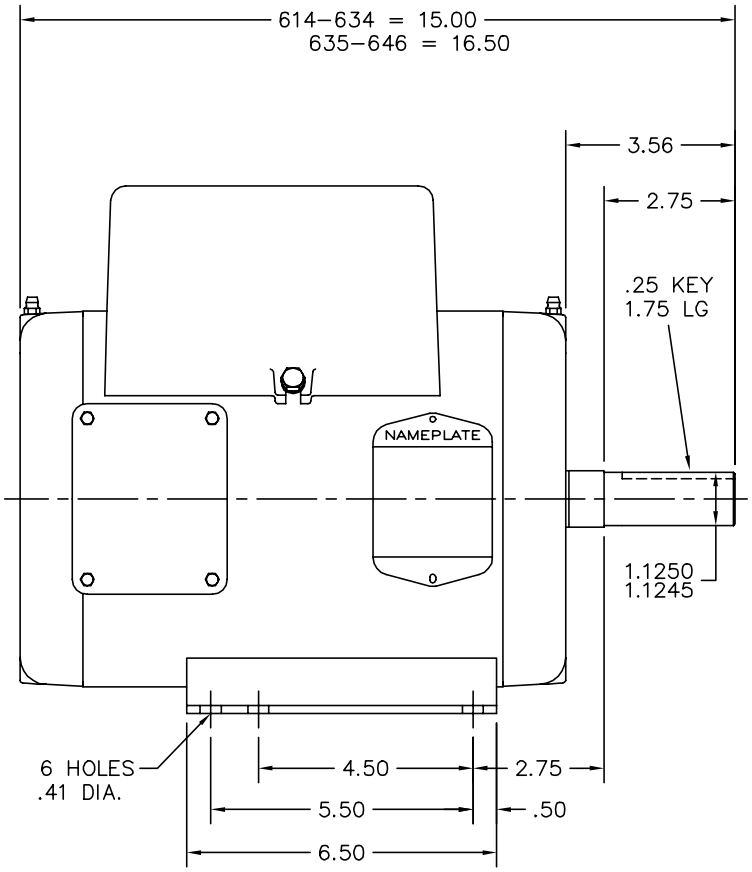
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.39 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	20			Breakdown Torque	19.7 LB-FT
R.P.M.	3450			Pull-up Torque	14.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15.9 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	114 A
Service Factor (S.F.)	1.15			No-load Current	2.2 A
NEMA Nom. Eff.	81.5	Power Factor	97	Line-line Res. @ 25ºC	0.425 Ω A Ph 1.4 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	45°C
S.F. Amps				Temp. Rise @ S.F. Load	57°C

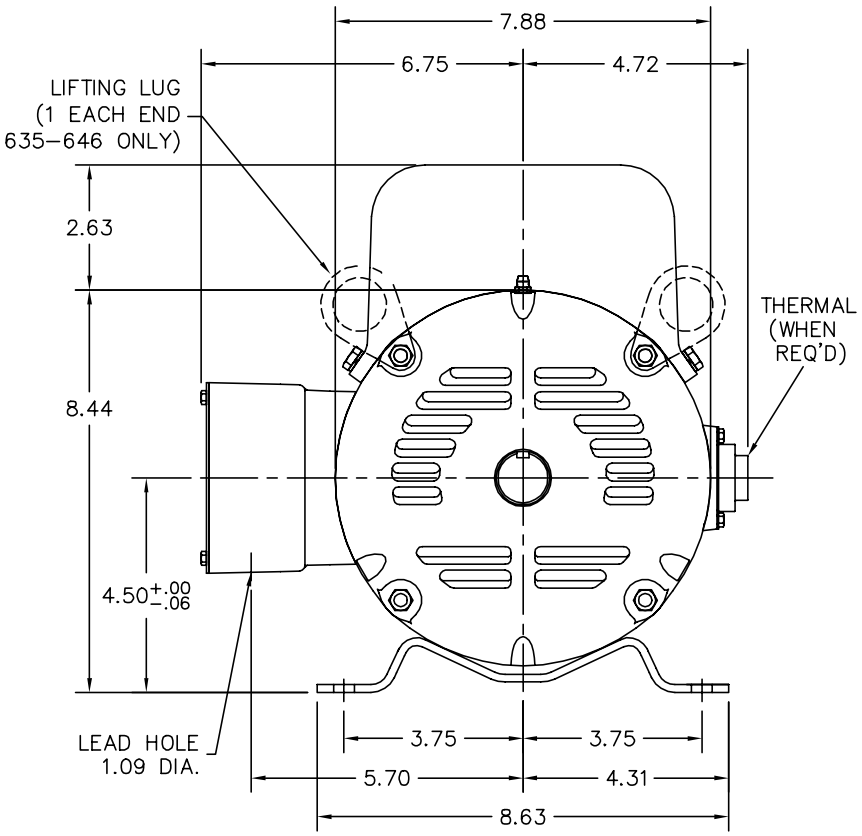
Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	96	98	98	97	97	96	97
Efficiency	67.6	79	82	81.6	79.3	74	80.2
Speed	3556	3527	3493	3456	3409	3334	3428
Line amperes	5.56	9.83	14.6	19.9	25.8	34.6	23.4

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36LYE002





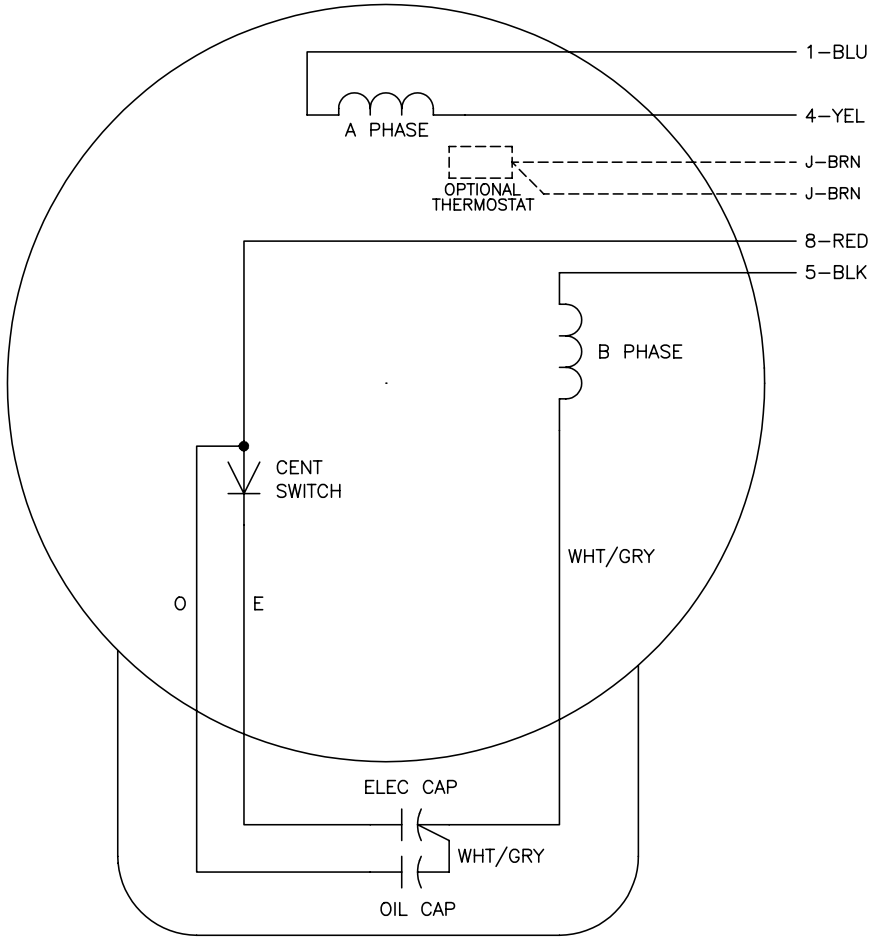
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: LIFTING LUG NOTE "..635–646.." WAS "..635–546.."				BALDOR ELECTRIC Co.
REV. LTR: J	BY: SSS	REVISED: 11:36:42 09/10/2004	TDR: 342926	
36LYE002		FILE: AAA00003138	REF: 36LYE002	STD HORZ 182–4T OPEN 36L–LC
		MTL: –		

36LYE002

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CD0017A02



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	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: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: –
		MTL: –	TYPE LC, SV, REV, 4 LEADS

CD0017A02

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