

BALDOR® • RELIANCE 

Product Information Packet

EL3608T

5HP,3450RPM,1PH,60HZ,184T,3640LC,TEFC,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS114	CD Diagram:	CD0017A02	Mfg Plant:	
Mech. Spec:	36E004	Layout:	36LYE004	Poles:	02	Created Date:	11-12-2008
Base:	RG	Eff. Date:	09-10-2015	Leads:	2#14 A PH,2#16 B PH		

Specs			
Catalog Number:	EL3608T	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	H
Frame:	184T	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 14 AWG, A PH
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3640LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	98
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	19.400 A @ 230.0 V	Shaft Rotation:	Reversible

Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	NONE (OLD)
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP2116L	
CAT.NO.	EL3608T
SPEC.	36E004S114E7
HP	5
VOLTS	230
AMP	19.4
RPM	3450
FRAME	184T
HZ	60
PH	1
SER.F.	1.00
CODE	H
DES	L
CL	F
NEMA-NOM-EFF	85
PF	98
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6206
ODE	6205
ENCL	TEFC
SN	

Parts List		
Part Number	Description	Quantity
SA177047	SA 36E004S114E7	1.000 EA
RA165103	RA 36E004S114E7	1.000 EA
OC3030F11SP	CAPACITOR 30 MFD 370 VAC	1.000 EA
EC1161C06SP	ELEC CAP, 161-193 MFD, 250V, 2.06D X 4.	1.000 EA
EC1145C06SP	ELEC CAP 230V 2.0 X 4.3	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

Parts List (continued)		
Part Number	Description	Quantity
HW2501E16	KEY, 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
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	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
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
36FH4009A124	IEC FH W/GRSR,GRILL,NO DIMPLES,PRIMER	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
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) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 34390 - Typical performance - not guaranteed values

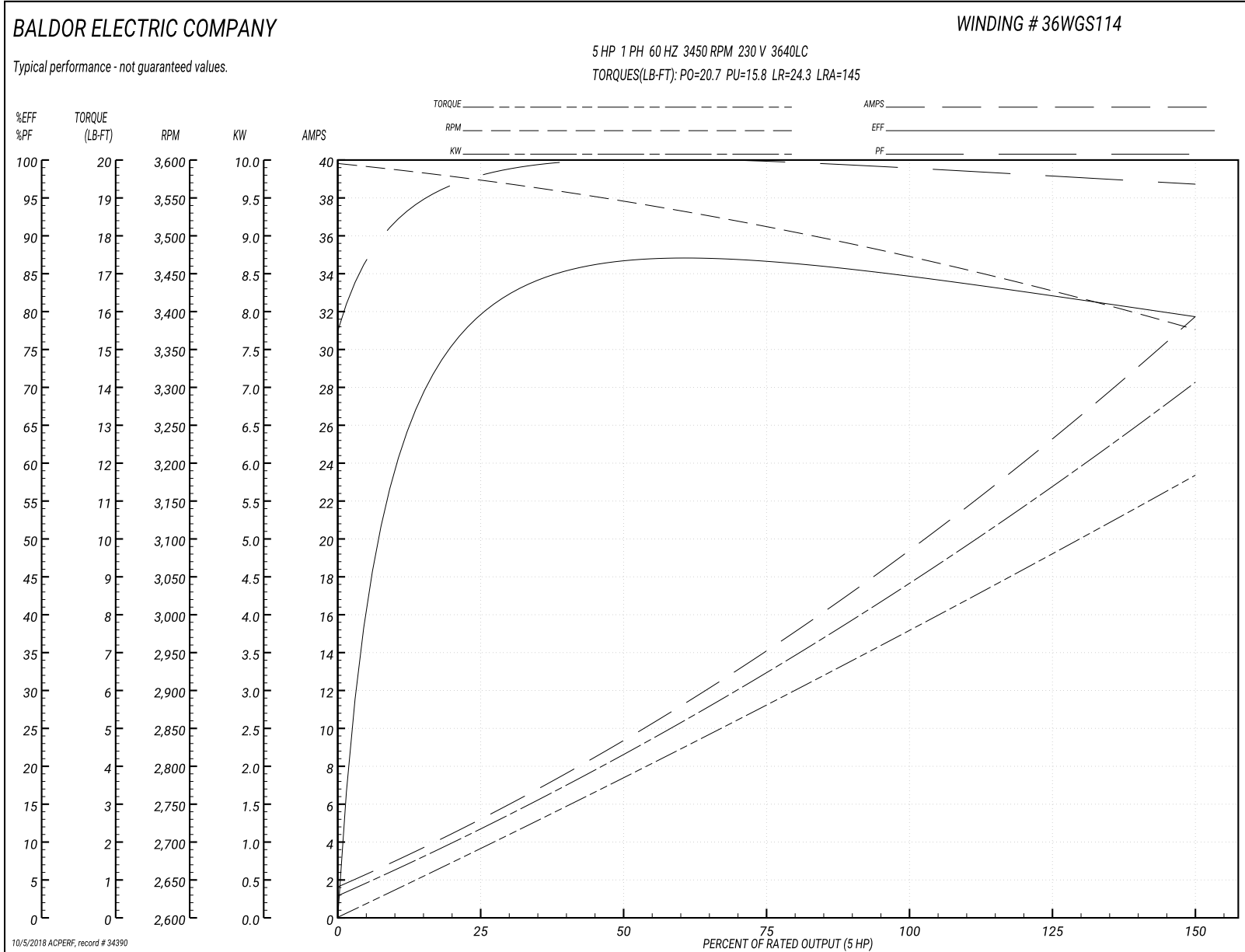
Winding: 36WGS114-R001	Type: 3640LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.52 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	19.4			Breakdown Torque	20.7 LB-FT
R.P.M.	3450			Pull-up Torque	15.8 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	24.3 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	145 A
Service Factor (S.F.)	1			No-load Current	1.53 A
NEMA Nom. Eff.	85	Power Factor	98	Line-line Res. @ 25°C	0.38589 Ω A Ph 1.3693 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C

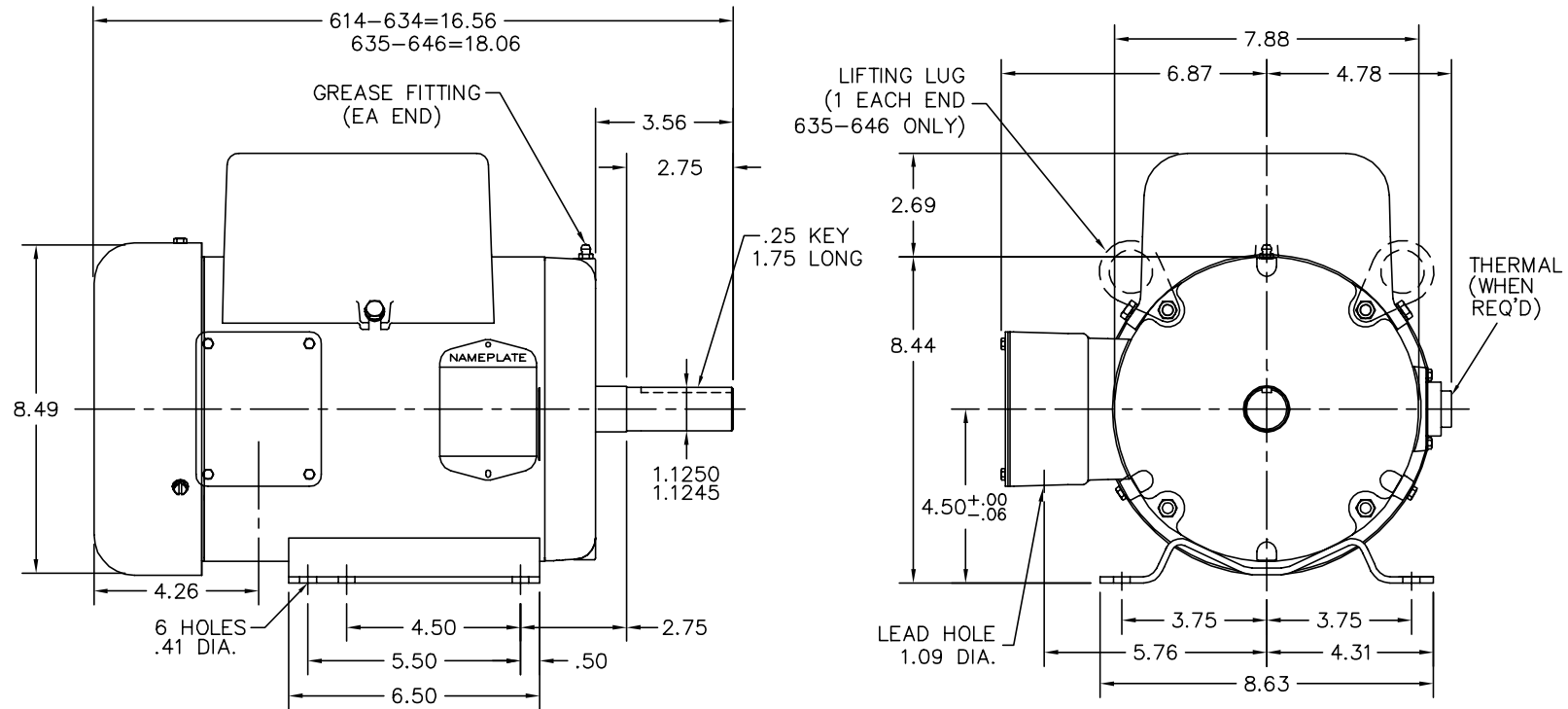
Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	98	99	99	98	98	97
Efficiency	77.8	85.4	86.6	85	82.6	78.8
Speed	3571	3543.4	3511.7	3476.2	3430.9	3373.4
Line amperes	5.28	9.49	14.1	19.2	25	31.9

Performance Graph at 230V, 60Hz, 5.0HP 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: -	Ⓢ Ⓜ	

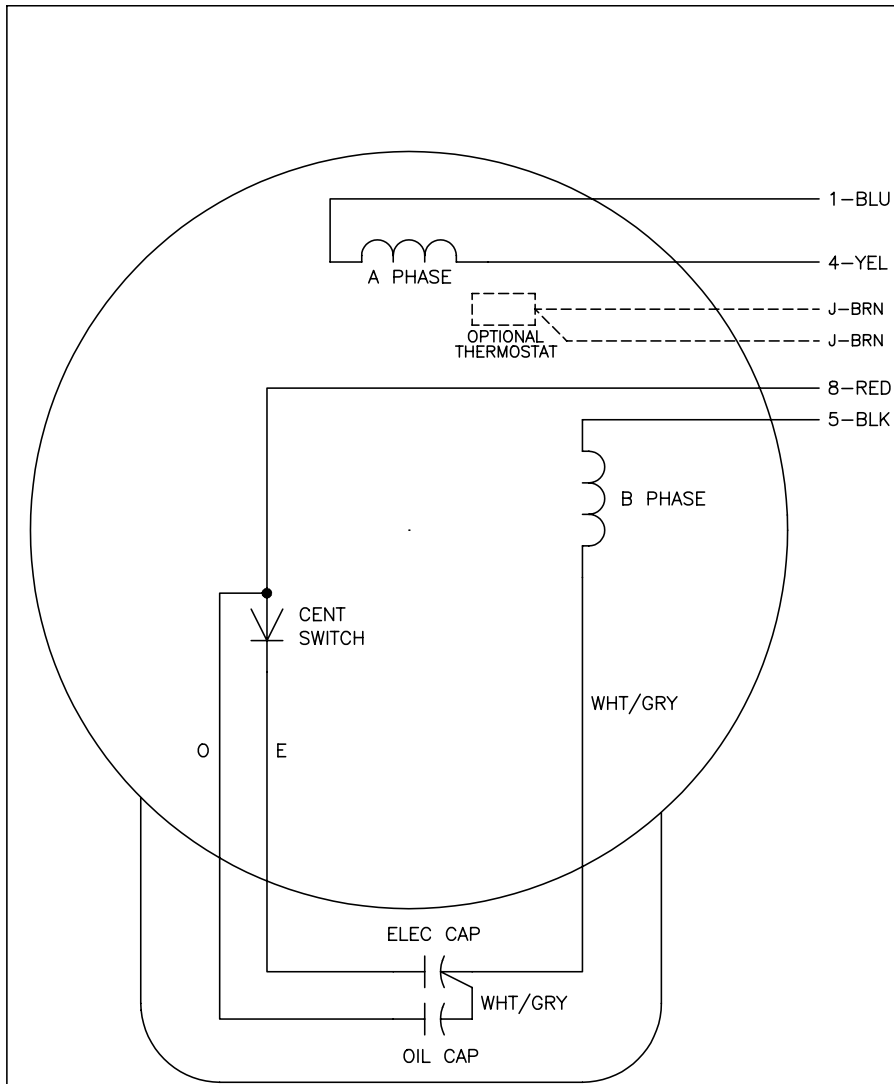
BALDOR

STD HORZ 182-4T TEFC 36L-LC

SH 1 of 1

36LYE004

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			
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4 LEADS

CD0017A02