

BALDOR® • RELIANCE 

Product Information Packet

EL1410T

5HP,1735RPM,1PH,60HZ,184T,3646LC,OPSB,F1

Part Detail							
Revision:	AM	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGY585	CD Diagram:	CD0017A02	Mfg Plant:	
Mech. Spec:	36H982	Layout:	36LYH982	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	09-10-2015	Leads:	2#10 A PH,2#16 B PH		

Specs			
Catalog Number:	EL1410T	Inverter Code:	Not Inverter
Enclosure:	OPSB	KVA Code:	G
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 @ 10 AWG, A PH
Synchronous Speed @ Frequency:	1800 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:	3646LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	97
	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:	19.100 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.	EL1410T
SPEC.	36H982Y585G1
HP	5
VOLTS	230
AMP	19.1
RPM	1735
FRAME	184T
HZ	60
PH	1
SER.F.	1.15
CODE	G
DES	L
CL	F
NEMA-NOM-EFF	86.5
PF	97
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6206
ODE	6205
ENCL	OPSB
SN	

Parts List		
Part Number	Description	Quantity
SA037037	SA 36H982Y585G1	1.000 EA
RA033062	RA 36H982Y585G1	1.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 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
36EP3200A01	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
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA3101A61	THRUBOLT- 1/4-20 X 14.187	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 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
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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
36CB5005A01	CAPACITOR BOX KIT, 36CB3800, OC3060F10,	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
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

Accessories		
Part Number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 11418 - Typical performance - not guaranteed values

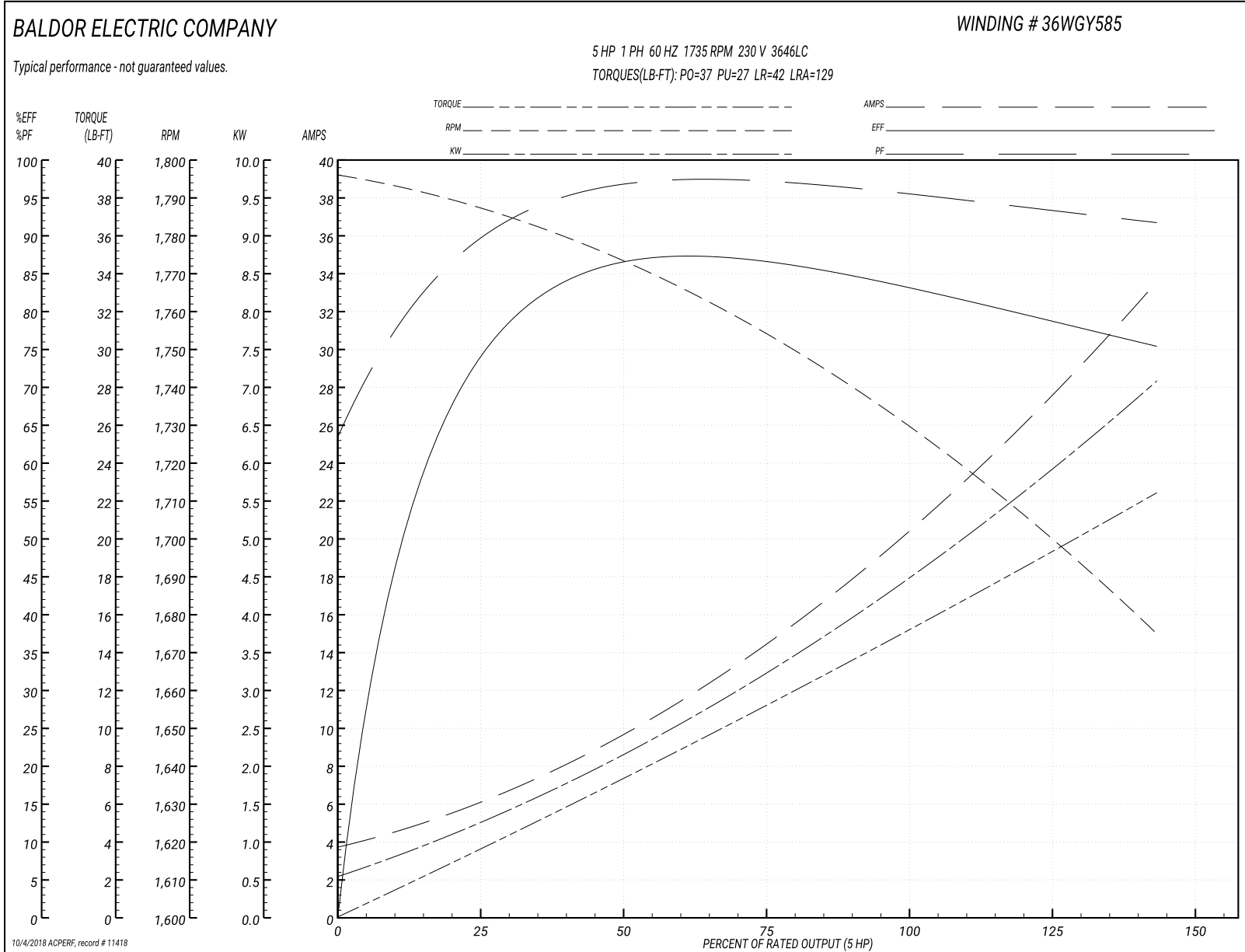
Winding: 36WGY585-R001	Type: 3646LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	19.1			Breakdown Torque	37 LB-FT
R.P.M.	1735			Pull-up Torque	27 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	42 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	129 A
Service Factor (S.F.)	1.15			No-load Current	3.4 A
NEMA Nom. Eff.	86.5	Power Factor	97	Line-line Res. @ 25°C	0.42 Ω A Ph 0.89 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps				Temp. Rise @ S.F. Load	110°C

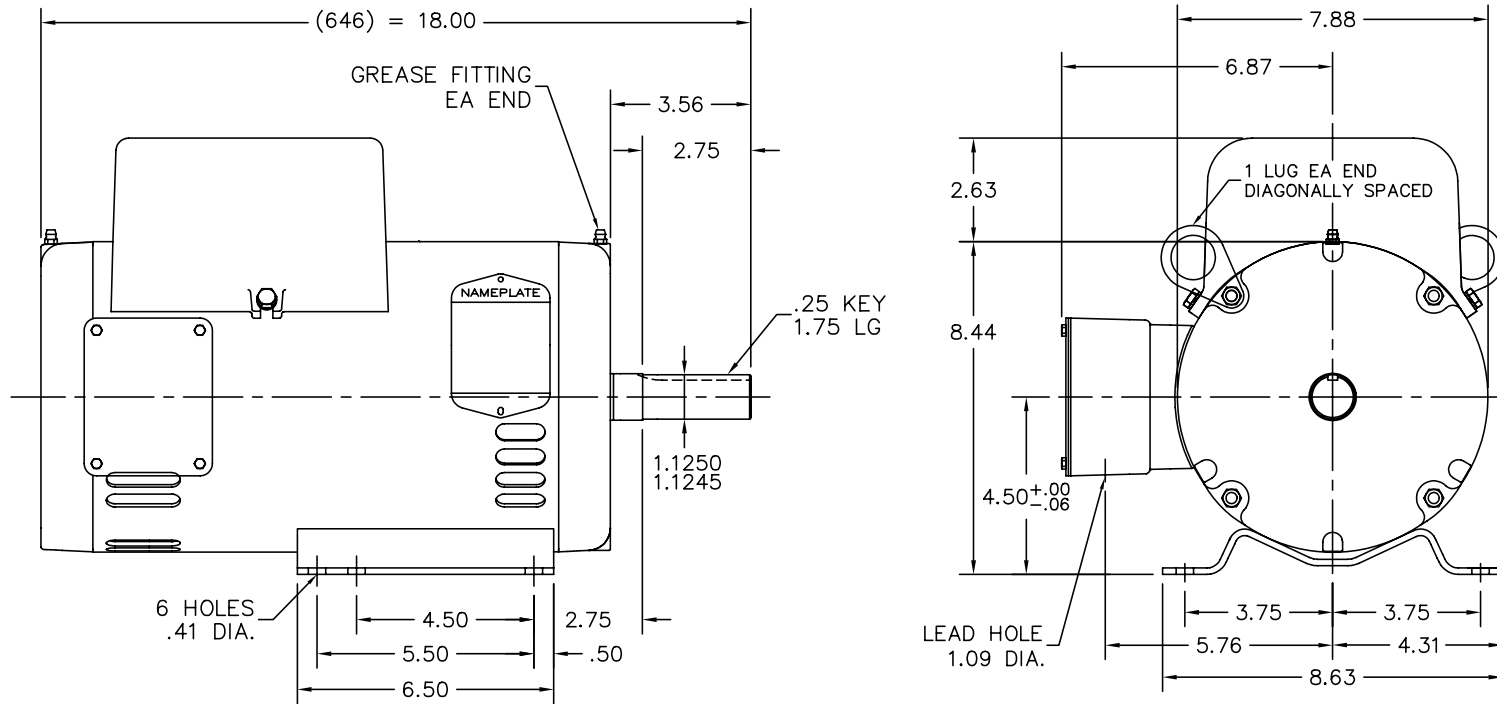
Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	89	95	96	96	96	95	96
Efficiency	69.9	83	86.6	86	79.8	74.6	82.3
Speed	1784	1770	1754	1735	1706	1672	1718
Line amperes	6.4	10.3	14.5	19.6	26.3	34	23.62

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values



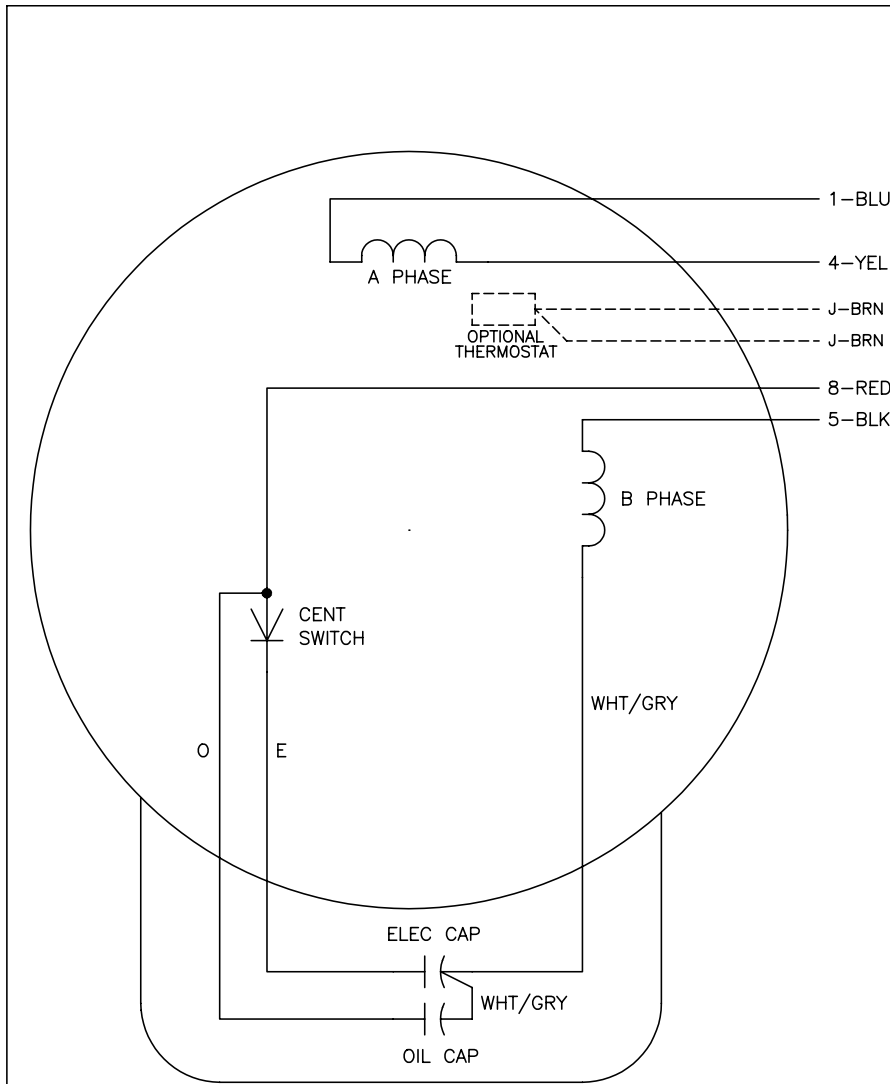
36LYH982



CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB	
H.P.		MTG		TYPE		R.P.M.		VOLTS		ENCL	
PHASE		FREQ		FRAME							
REV. DESC: CHG'D CONDUIT BOX (SEE EC09)											
REV. LTR: A		BY: JED		REVISED: 01/28/99 10:07				TDR: 0171563			
286HΛ79Σ				FILE: AAA00053016				MDL: -			
MTL: -				BALDOR ELECTRIC Co. HORZ 182-4T OPSB 36LC (646 ONLY)							

36LYH982

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