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# Customer information packet

## EL1410T

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

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPSB
Frame	184T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	19.100 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	19.1 a

## Part detail

Revision	AR
Type	AC
Mech. spec.	36H982
Base	
Status	PRD/A
Elec. spec.	36WGY585
Layout	36LYH982
Eff. date	05-01-2024
CD Diagram	CD0017A02
Poles	04
Leads	2#10 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	G
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	2 @ 10 AWG, A PH
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3646LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	18.00 IN
<b>Power Factor</b>	97
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.125 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1735 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP2116L</b>									
<b>CAT.NO.</b>	EL1410T								
<b>SPEC.</b>	36H982Y585G1								
<b>HP</b>	5								
<b>VOLTS</b>	230								
<b>AMP</b>	19.1								
<b>RPM</b>	1735								
<b>FRAME</b>	184T		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.15	<b>CODE</b>	G	<b>DES</b>	L	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	86.5	<b>PF</b>	97						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6206	<b>ODE</b>	6205						
<b>ENCL</b>	OPSB	<b>SN</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

**AC Induction Motor Performance Data**

Record # 11418

Typical performance - not guaranteed values

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

**Load Characteristics 230 V, 60 Hz, 5 HP**

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

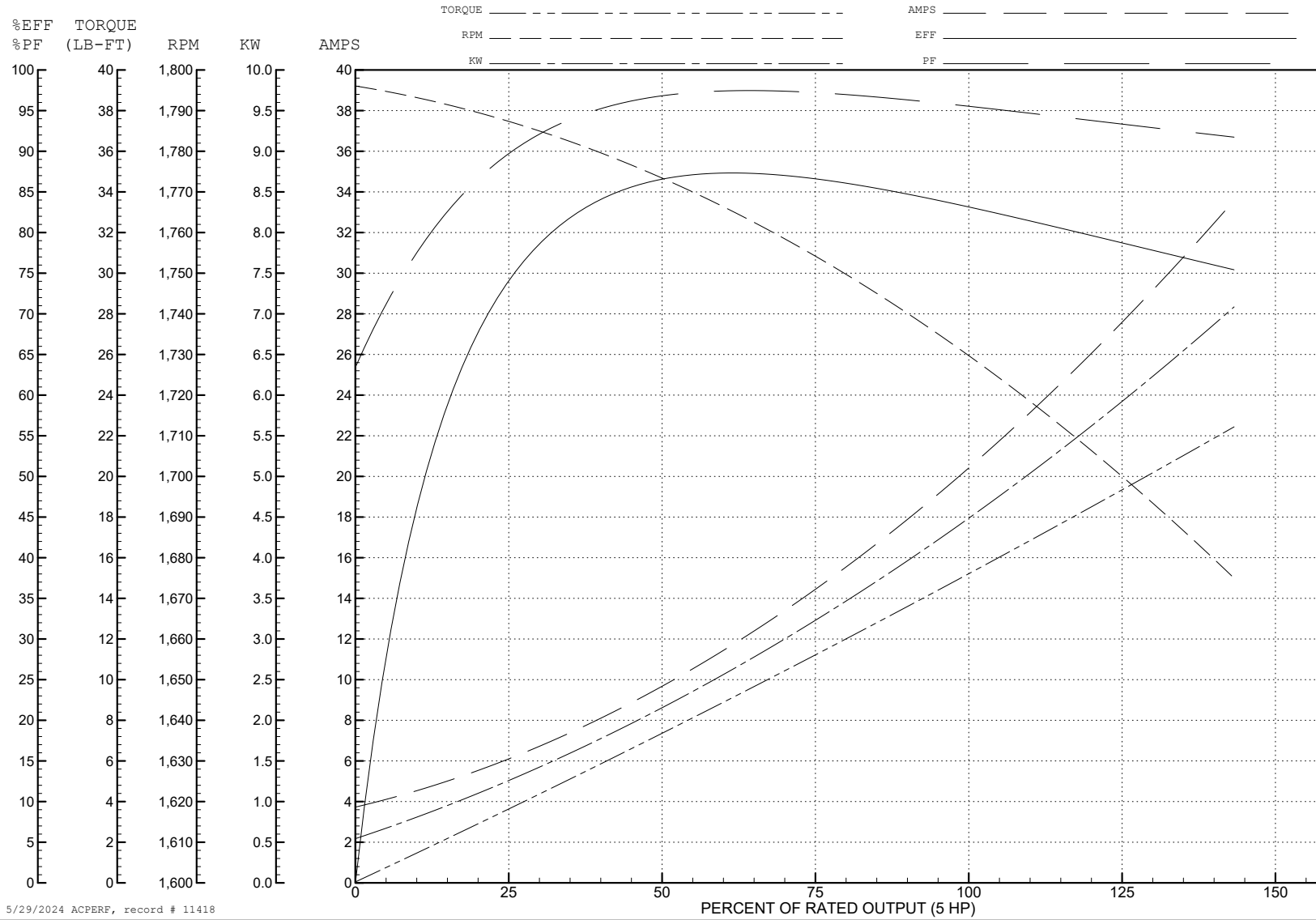
ABB Motors and Mechanical Inc.

WINDING # 36WGY585

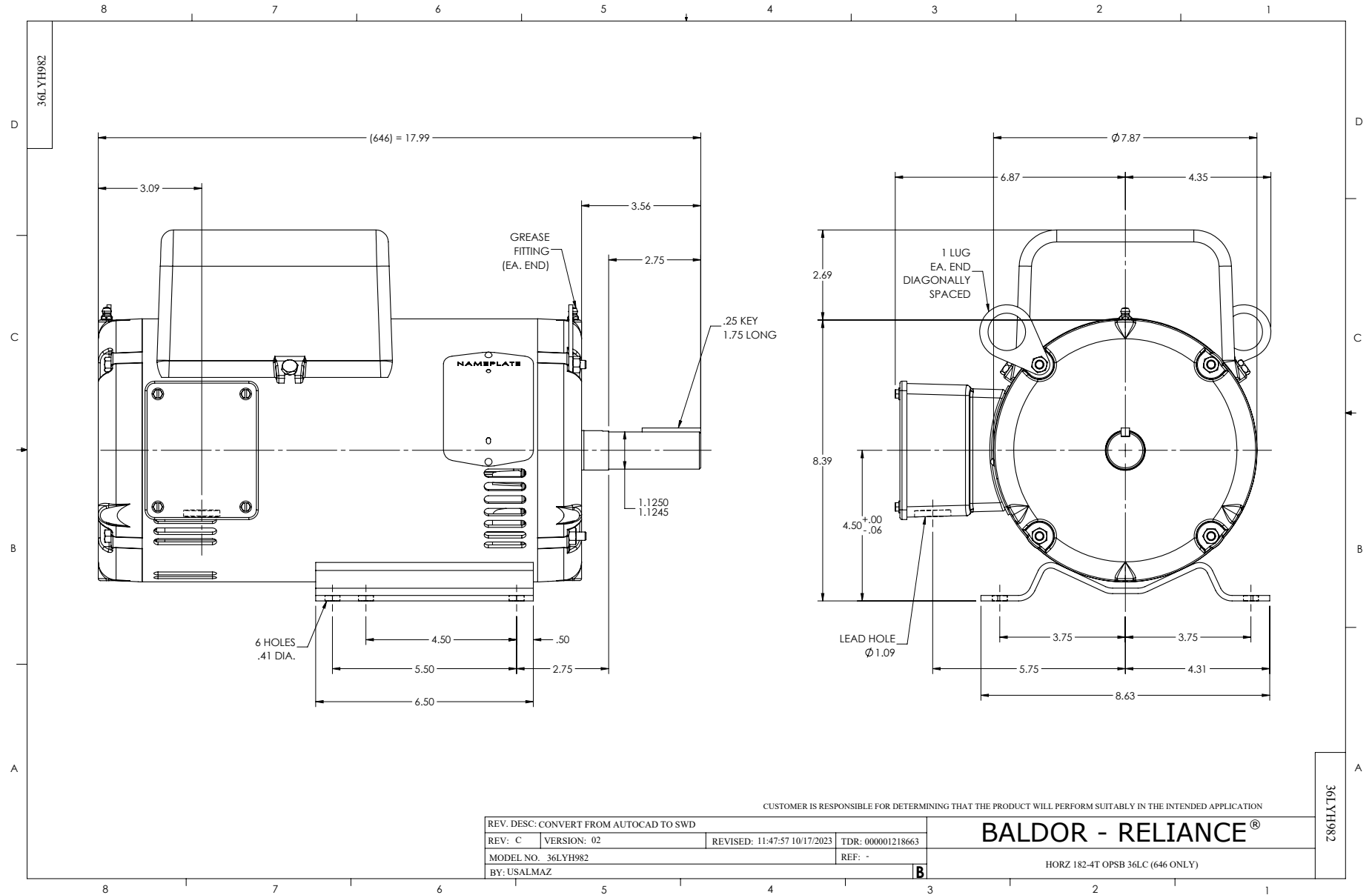
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1735 RPM 230 V 3646LC

TORQUES (LB-FT): PO=37 PU=27 LR=42 LRA=129

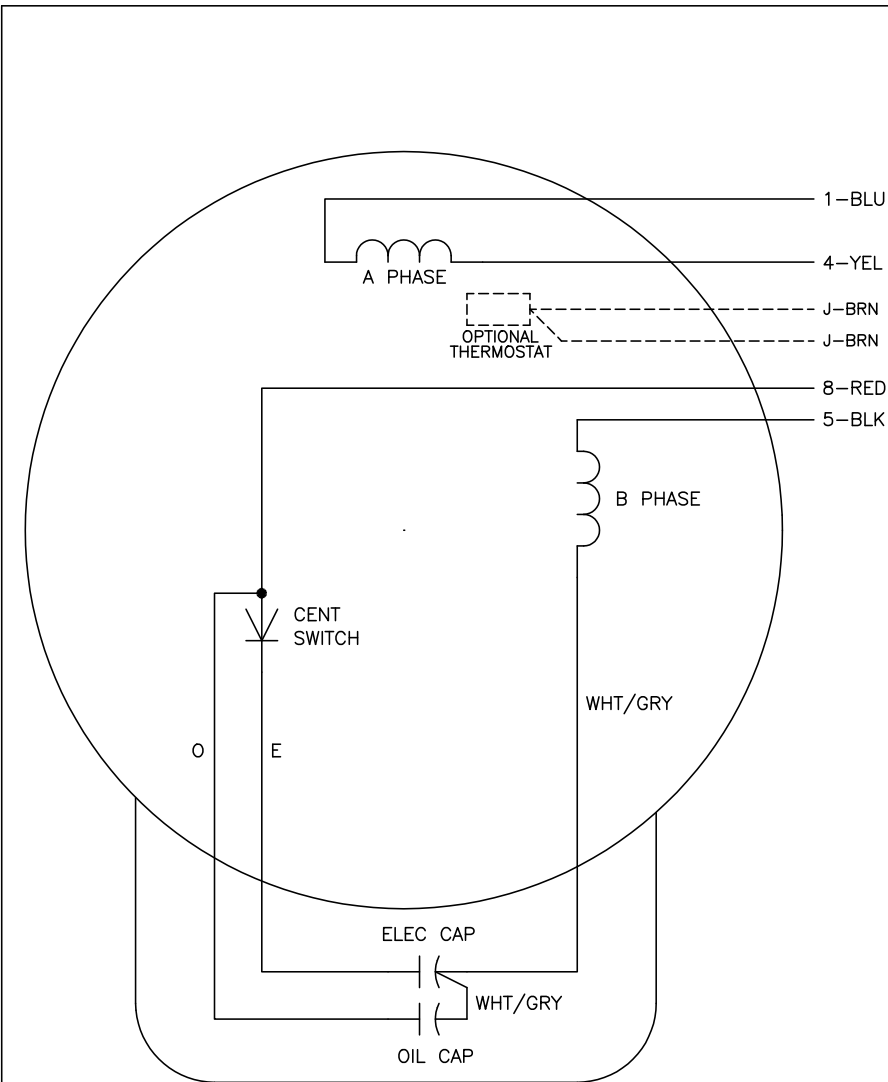


5/29/2024 ACPERF, record # 11418





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.

CD0017A02

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