



---

# Customer information packet

## FDL3610M

3HP, 1750RPM, 1PH, 60HZ, 184, 3640LC, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	184
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	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	15.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
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	15.5 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	M
Type	AC
Mech. spec.	36Q171
Base	
Status	PRD/A
Elec. spec.	36WGY739
Layout	36LYQ171
Eff. date	07-25-2024
CD Diagram	CD0002A02
Poles	04
Leads	2#14 A PH,3#16 B&J
Proprietary	False
Created date	12-13-2013

<b>KVA Code</b>	M
<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 @ 14 AWG, A PH
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3640LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	17.18 IN
<b>Power Factor</b>	76
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Sealed Bearing
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.875 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>	Shaft Slinger
<b>Speed</b>	1750 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>	Manual Thermal Overload
<b>Winding Thermal 1 Location</b>	KO
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1280L</b>							
<b>CAT.NO.</b>	FDL3610M						
<b>SPEC.</b>	36Q171Y739G1						
<b>HP</b>	3						
<b>VOLTS</b>	230						
<b>AMP</b>	15.5						
<b>RPM</b>	1750						
<b>FRAME</b>	184	<b>HZ</b>	60	<b>PH</b>	1		
<b>SER.F.</b>	1.00	<b>CODE</b>	M	<b>DES</b>	L	<b>CL</b>	F
<b>NEMA-NOM-EFF</b>	80	<b>PF</b>	76				
<b>RATING</b>	40C AMB-CONT						
<b>CC</b>							
<b>DE</b>	6206	<b>ODE</b>	6205				
<b>ENCL</b>	TEFC	<b>SN</b>					

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
36-3301FDA	C FACE KIT FARM DUTY F182-4TC, ENCL,	P1

**AC Induction Motor Performance Data**

Record # 11466

Typical performance - not guaranteed values

<b>Winding: 36WGY739-R001</b>		<b>Type: 3640LC</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	3	<b>Full Load Torque</b>	9 LB-FT		
<b>Volts</b>	230	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	15.5	<b>Breakdown Torque</b>	32 LB-FT		
<b>R.P.M.</b>	1750	<b>Pull-up Torque</b>	31 LB-FT		
<b>Hz</b>	60	<b>Phase</b>	1	<b>Locked-rotor Torque</b>	37 LB-FT
<b>NEMA Design Code</b>	L	<b>KVA Code</b>	M	<b>Starting Current</b>	144 A
<b>Service Factor (S.F.)</b>	1	<b>No-load Current</b>	10.7 A		
<b>NEMA Nom. Eff.</b>	80	<b>Power Factor</b>	76	<b>Line-line Res. @ 25°C</b>	0.472 Ω A Ph 1.53 Ω B Ph
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	85°C	

**Load Characteristics 230 V, 60 Hz, 3 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>Power Factor</b>	39	56	68	76	82	85
<b>Efficiency</b>	53.4	70.8	77.9	81	82	81.9
<b>Speed</b>	1791	1782	1775	1768	1759	1749
<b>Line amperes</b>	10.9	11.8	13.5	15.5	18	20.7

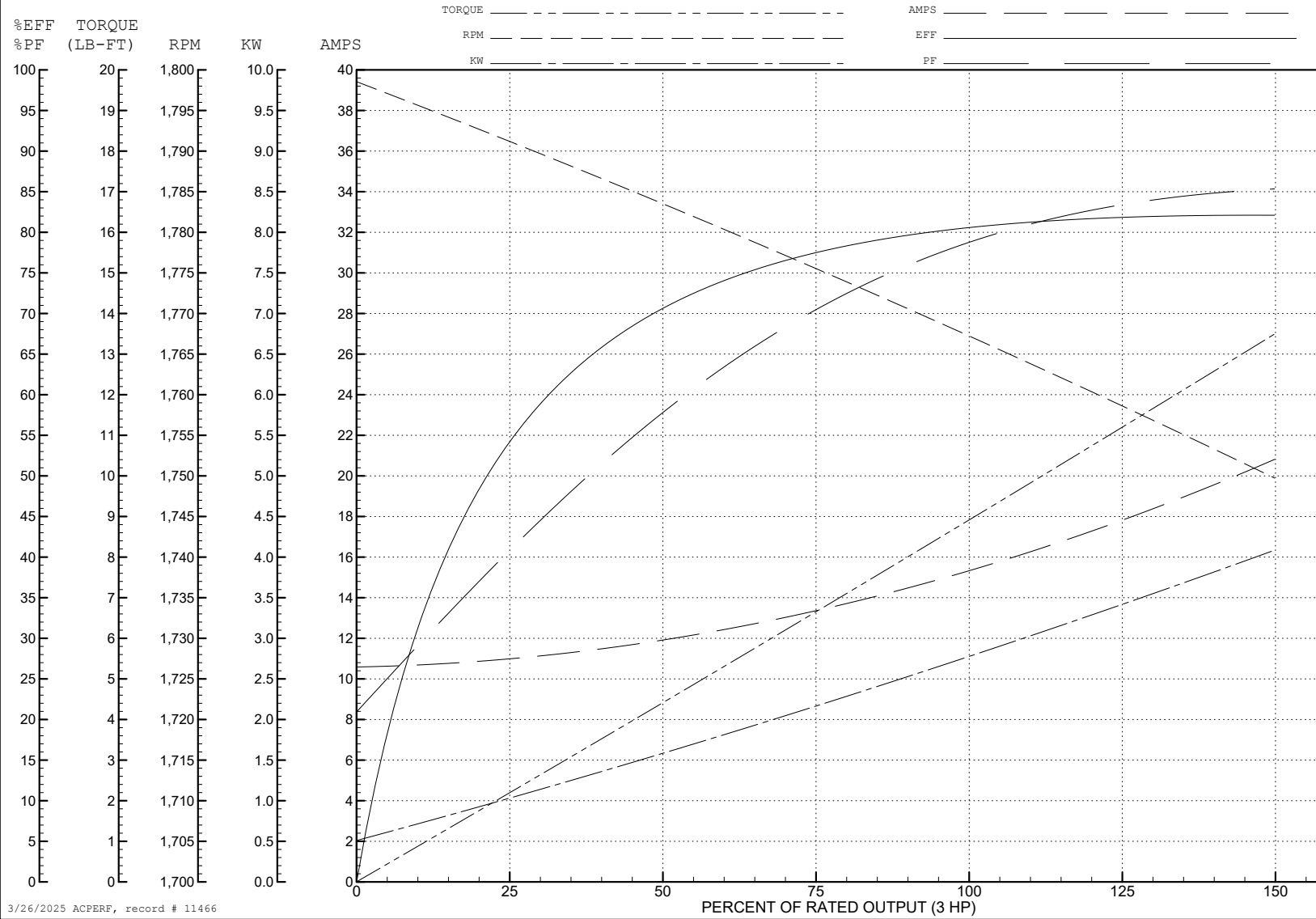
ABB Motors and Mechanical Inc.

WINDING # 36WGY739

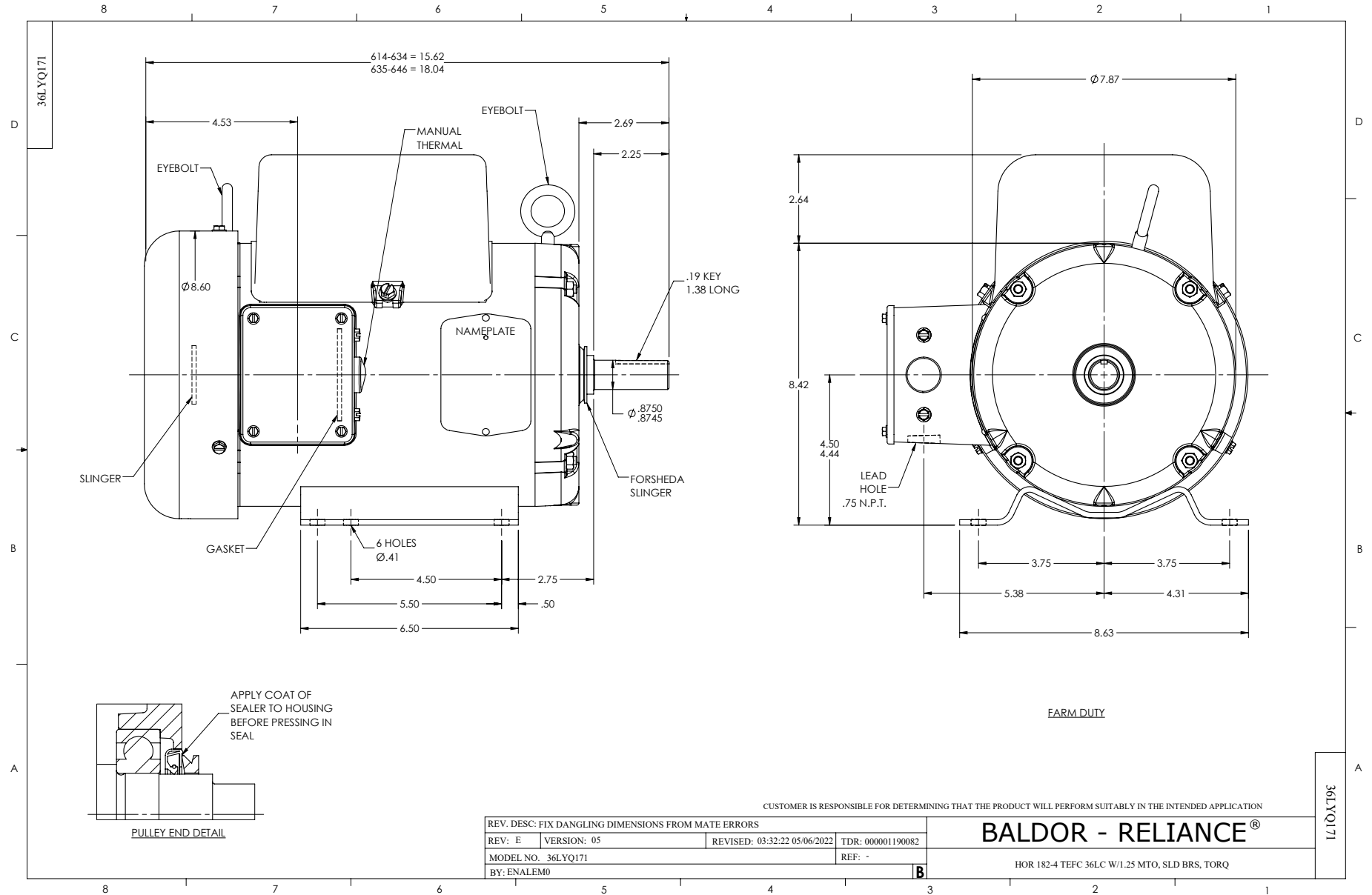
Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 1750 RPM 230 V 3640LC

TORQUES (LB-FT): PO=32 PU=31 LR=37 LRA=144

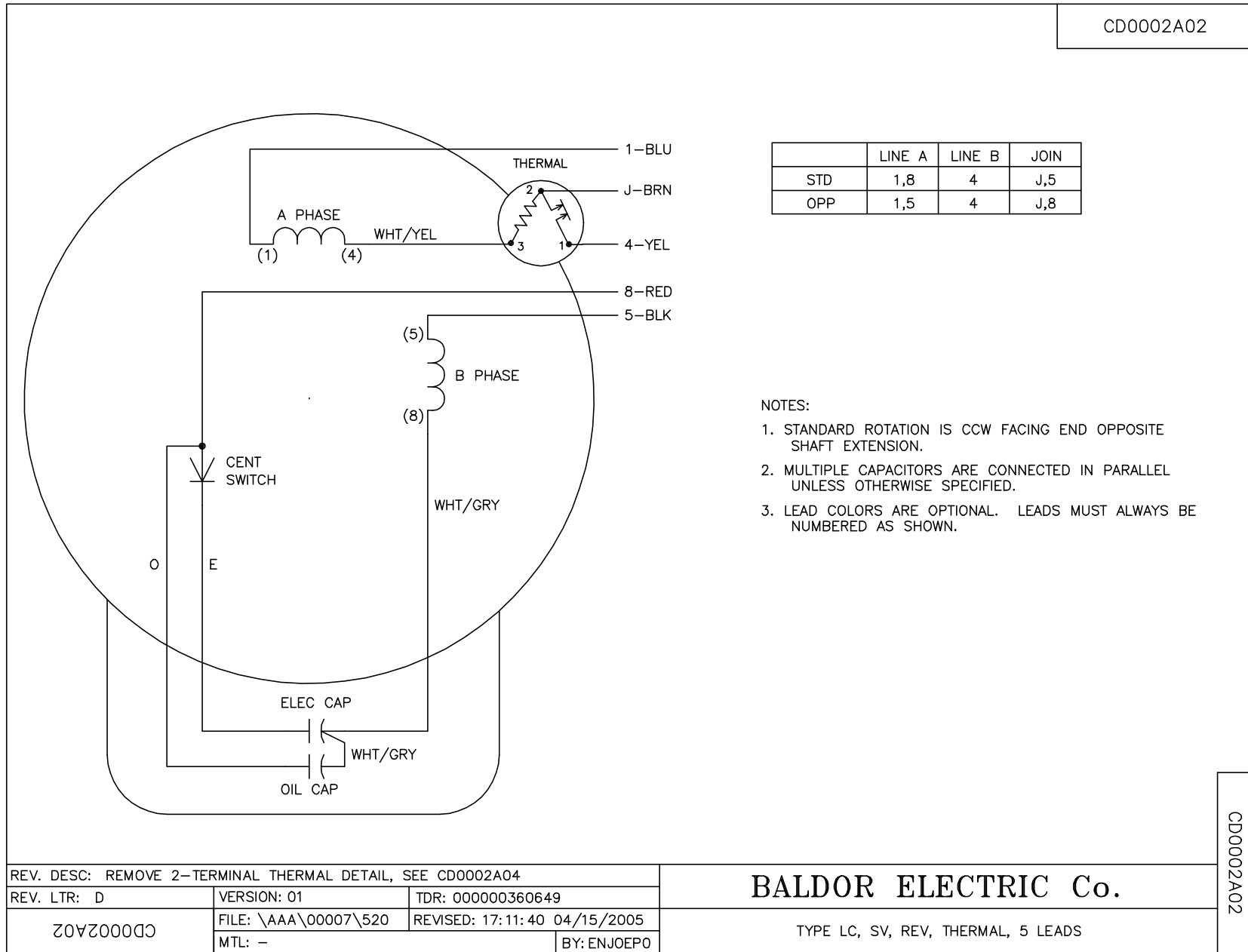


3/26/2025 ACPERF, record # 11466





CD0002A02



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

NOTES:

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

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0002A04		
REV. LTR: D	VERSION: 01	TDR: 000000360649
CD0002A02	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, THERMAL, 5 LEADS

CD0002A02