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# Customer information packet

## YPC144A

.25HP, 1625RPM, 1PH, 60HZ, 48YZ, 3408C, TEAO, F

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEAO
Frame	48YZ
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	.250 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Yoke Pedestal
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.500 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	67.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	-

## Part detail

Revision	F
Type	AC
Mech. spec.	34M195
Base	
Status	PRD/A
Elec. spec.	34WGR234
Layout	34LYM195
Eff. date	11-12-2018
CD Diagram	CD0798
Poles	04
Leads	5#18
Proprietary	False
Created date	10-17-2014

<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Terminal Panel Or Lead Hole
<b>Motor Lead Quantity/Wire Size</b>	5 @ 18 AWG
<b>Motor Lead Termination</b>	None
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3408C
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	10.68 IN
<b>Power Factor</b>	98
<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>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.500 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible: Connected Standard
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1625 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>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	WG

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	YPC144A								
<b>SPEC.</b>	34M195R234G1								
<b>HP</b>	.25								
<b>VOLTS</b>	115								
<b>AMP</b>	2.5								
<b>RPM</b>	1625								
<b>FRAME</b>	48YZ		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.00	<b>CODE</b>	-	<b>DES</b>	-	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	67	<b>PF</b>	98						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>			<b>USABLE AT 208V</b>						
<b>DE</b>	6203	<b>ODE</b>	6203						
<b>ENCL</b>	TEAO	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 51597

Typical performance - not guaranteed values

Winding: 34WGR234-R001		Type: 3408C		Enclosure: TEAO	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Single Voltage Motor</b>		
Rated Output (HP)	.25	Full Load Torque	0.814 LB-FT		
Volts	115	Start Configuration	direct on line		
Full Load Amps	2.5	Breakdown Torque	1.13 LB-FT		
R.P.M.	1625	Pull-up Torque	0.321 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	0.42 LB-FT	
NEMA Design Code	- KVA Code	-	Starting Current	6.76 A	
Service Factor (S.F.)		1	No-load Current	1.32 A	
NEMA Nom. Eff.	67 Power Factor	98	Line-line Res. @ 25°C	7.7557 Ω A Ph 12.585 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		

**Load Characteristics 115 V, 60 Hz, 0.25 HP**

% of Rated Load	25	50	75	100	125
Power Factor	87	93	97	98	99
Efficiency	36.8	56.6	66.1	69.5	66.1
Speed	1777.1	1755.2	1724.3	1677.2	1609
Line amperes	1.43	1.65	2	2.46	3.09

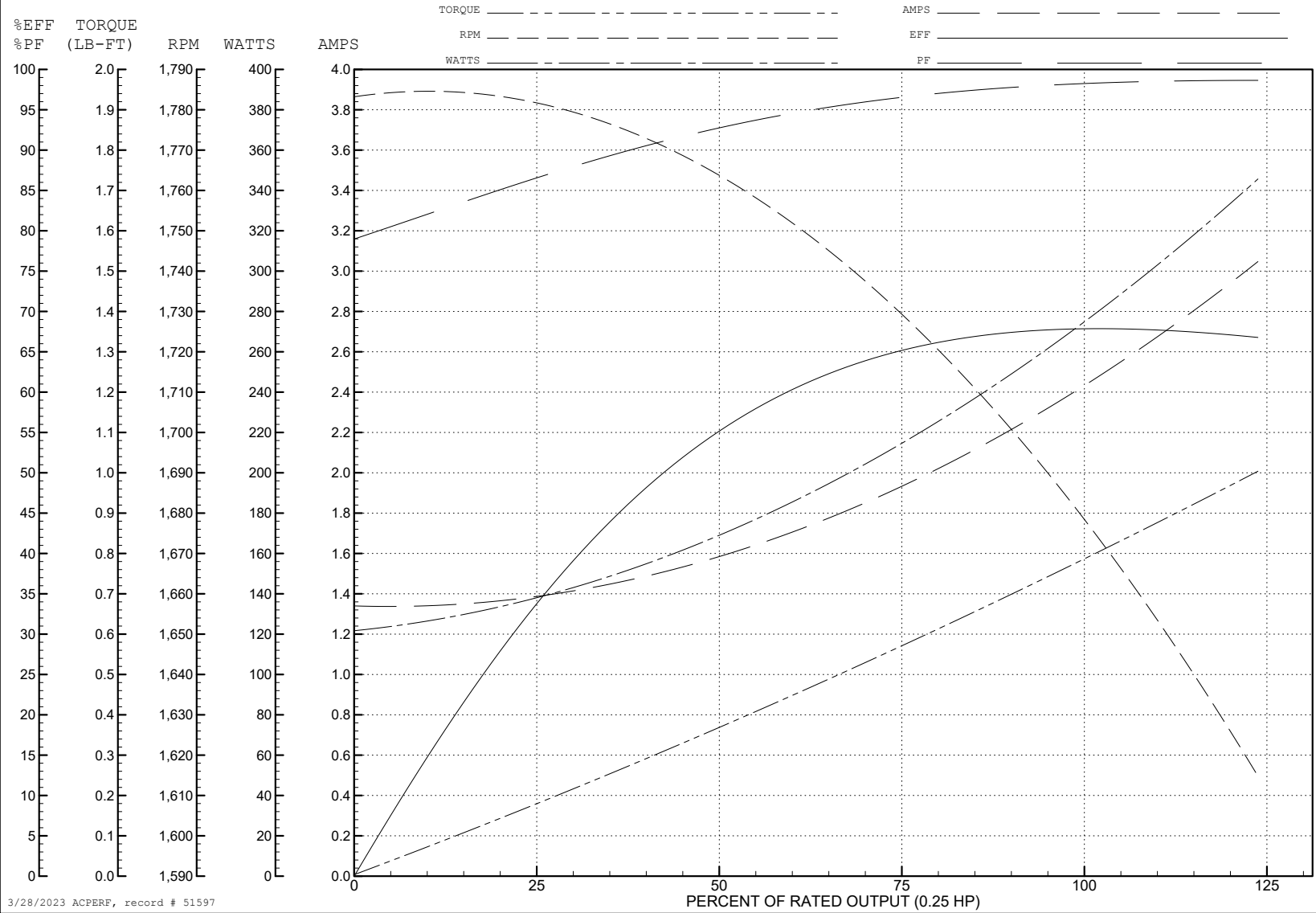
ABB Motors and Mechanical Inc.

WINDING # 34WGR234

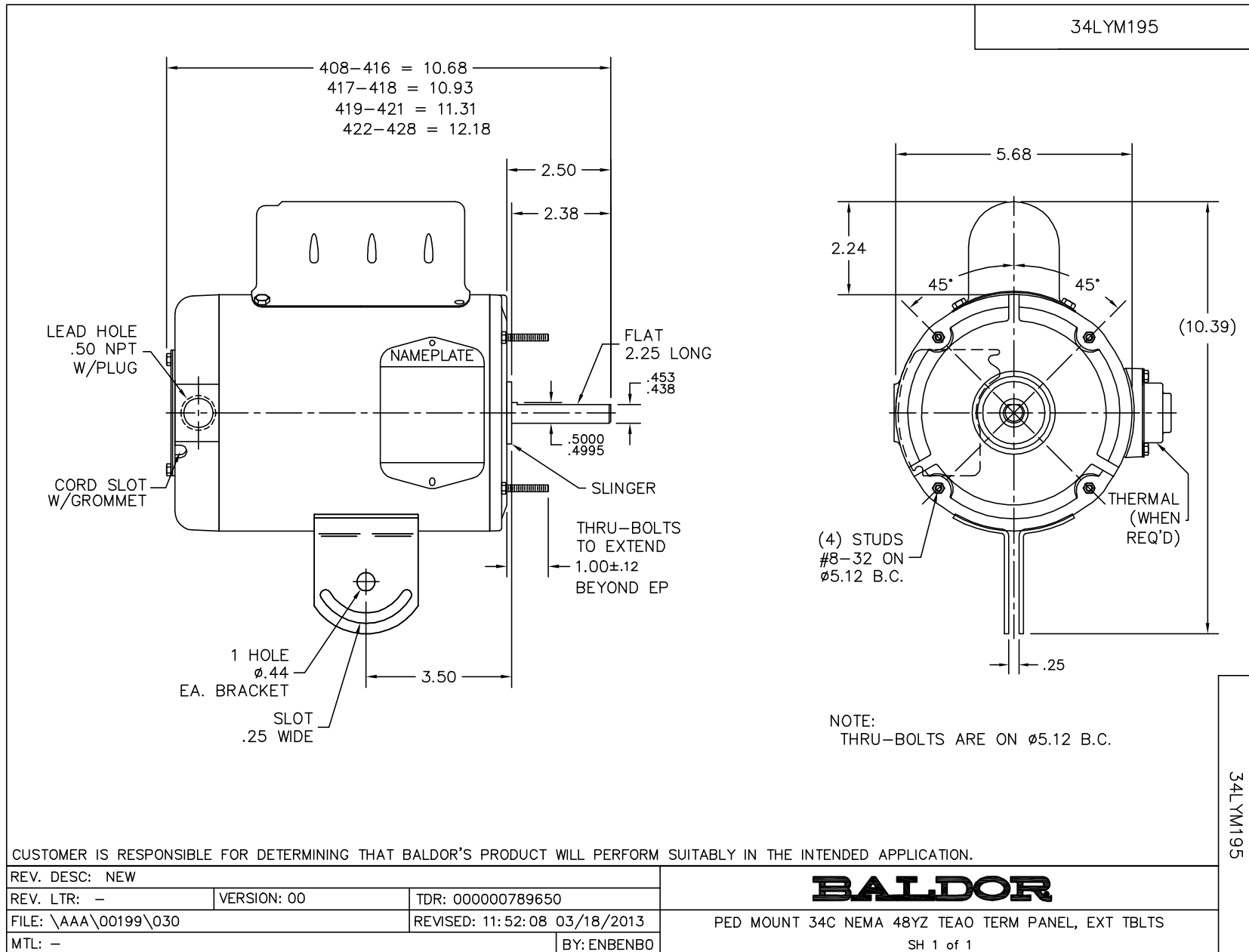
0.25 HP 1 PH 60 HZ 1625 RPM 115 V 3408C

Typical performance - not guaranteed values.

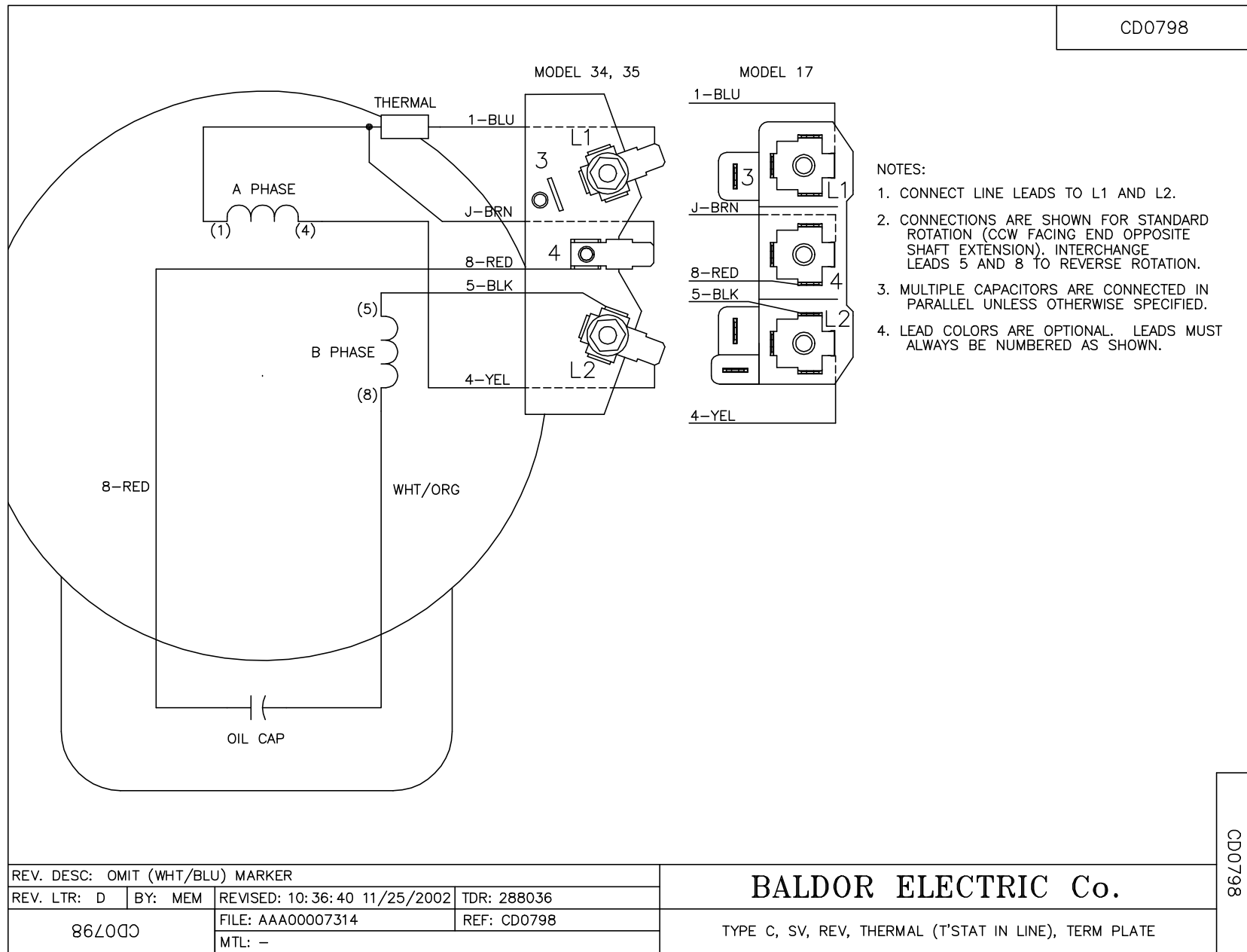
TORQUES (LB-FT): PO=1.13 PU=0.321 LR=0.42 LRA=6.76



3/28/2023 ACPERF, record # 51597



CD0798



REV. DESC: OMIT (WHT/BLU) MARKER			
REV. LTR: D	BY: MEM	REVISED: 10:36:40 11/25/2002	TDR: 288036
867000		FILE: AAA00007314	REF: CD0798
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE C, SV, REV, THERMAL (T<sup>STAT</sup> IN LINE), TERM PLATE

CD0798