

ABB BALDOR RELIANCE III

Customer information packet

JSL325A

.5HP, 3450RPM, 1PH, 60HZ, 56Y, 3416L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56Y
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.600 A @ 115.0 V 4.400 A @ 208.0 V 3.300 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
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	3.3 a

Part Detail

Revision	P
Type	AC
Mech. spec.	34M228
Base	
Status	PRD/A
Elec. spec.	34WGR049
Layout	34LYM228
Eff. date	08-10-2026
CD Diagram	CD0203
Poles	02
Leads	5#18,1#16 #1TH
Proprietary	False
Created date	05-09-2013

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	5 @ 18 AWG
Motor Lead Termination	Flying Leads With QC
Motor Standards	NEMA
Motor Type	3416L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.35 IN
Power Factor	69
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Pool Pump
Pulley Shaft Indicator	Ext Thread & Tapped Hole
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.60
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	Shaft Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	EP

Winding Thermal 2	None
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Nameplate

NP1257L									
CAT.NO.	JSL325A								
SPEC.	34M228R049G1								
HP	.5								
VOLTS	115/230								
AMP	6.6/3.3								
RPM	3450								
FRAME	56Y			HZ	60		PH	1	
SER.F.	1.60	CODE	G	DES	-	CL	B		
NEMA-NOM-EFF	70	PF	69						
RATING	40C AMB-CONT								
CC									
DE	6203	ODE	6203						
ENCL	OPEN	SN							
	SFA 9.2/4.6								

AC Induction Motor Performance Data

Record # 42890

Typical performance - not guaranteed values

Winding: 34WGR049-R001			Type: 3416L		Enclosure: OPEN	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		.5	Full Load Torque		0.751 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		6.6/3.3	Breakdown Torque		2.59 LB-FT	
R.P.M.		3450	Pull-up Torque		1.81 LB-FT	
Hz		60	Phase		1	
NEMA Design Code		-	KVA Code		G	
Service Factor (S.F.)		1.6	No-load Current		5.04 A	
NEMA Nom. Eff.		70	Power Factor		69	
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps		9.2/4.6	Temp. Rise @ S.F. Load		43°C	

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	61	69	76	81	82
Efficiency	44.8	60.8	67.2	70.3	71.5	71.1	68.7
Speed	3569.3	3545.7	3521.6	3495.4	3464.3	3428.1	3383
Line amperes	5.14	5.41	5.98	6.63	7.47	8.48	9.116

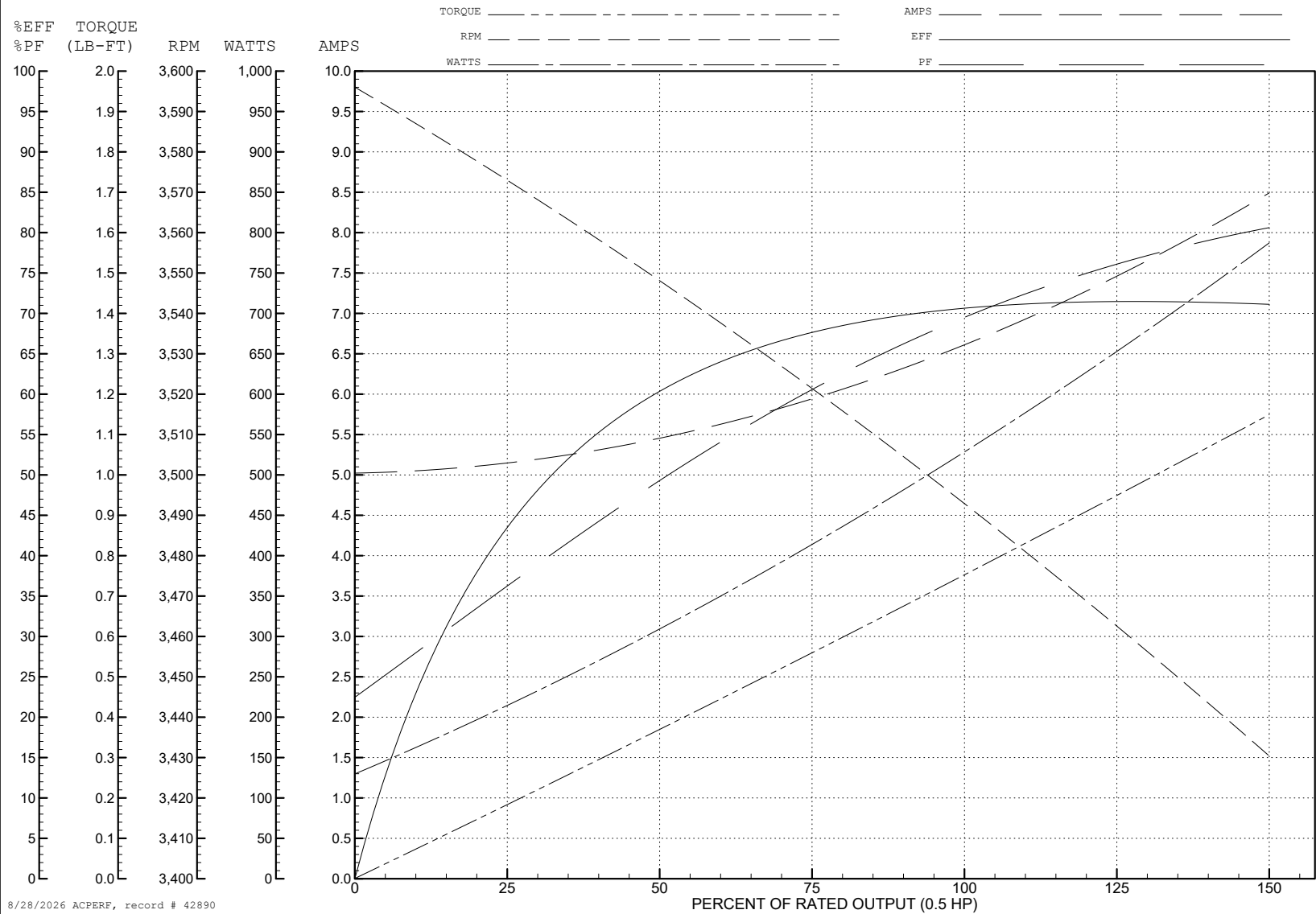
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WINDING # 34WGR049

Typical performance - not guaranteed values.

0.5 HP 1 PH 60 HZ 3450 RPM 115 V 3416L

TORQUES (LB-FT) : PO=2.59 PU=1.81 LR=2.04 LRA=24.5



AC Induction Motor Performance Data

Record # 52588

Typical performance - not guaranteed values

Winding: 34WGR049-R001			Type: 3416L		Enclosure: OPEN		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.5	Full Load Torque		0.751 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		6.6/3.3	Breakdown Torque		2.59 LB-FT		
R.P.M.		3450	Pull-up Torque		1.87 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		2.1 LB-FT	
NEMA Design Code		-	KVA Code	G	Starting Current		12.7 A
Service Factor (S.F.)		1.6		No-load Current		2.52 A	
NEMA Nom. Eff.		70	Power Factor	69	Line-line Res. @ 25°C		3.388 Ω A Ph 2.78 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		26°C	
S.F. Amps		9.2/4.6		Temp. Rise @ S.F. Load		43°C	
				Locked-rotor Power Factor		85	
				Rotor inertia		0.0148 LB-FT2	

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	61	70	76	81	82
Efficiency	44.9	60.8	67.2	70.4	71.5	71.3	68.7
Speed	3569	3546	3522	3495	3464	3428	3383
Line amperes	2.57	2.7	2.99	3.31	3.74	4.24	4.56

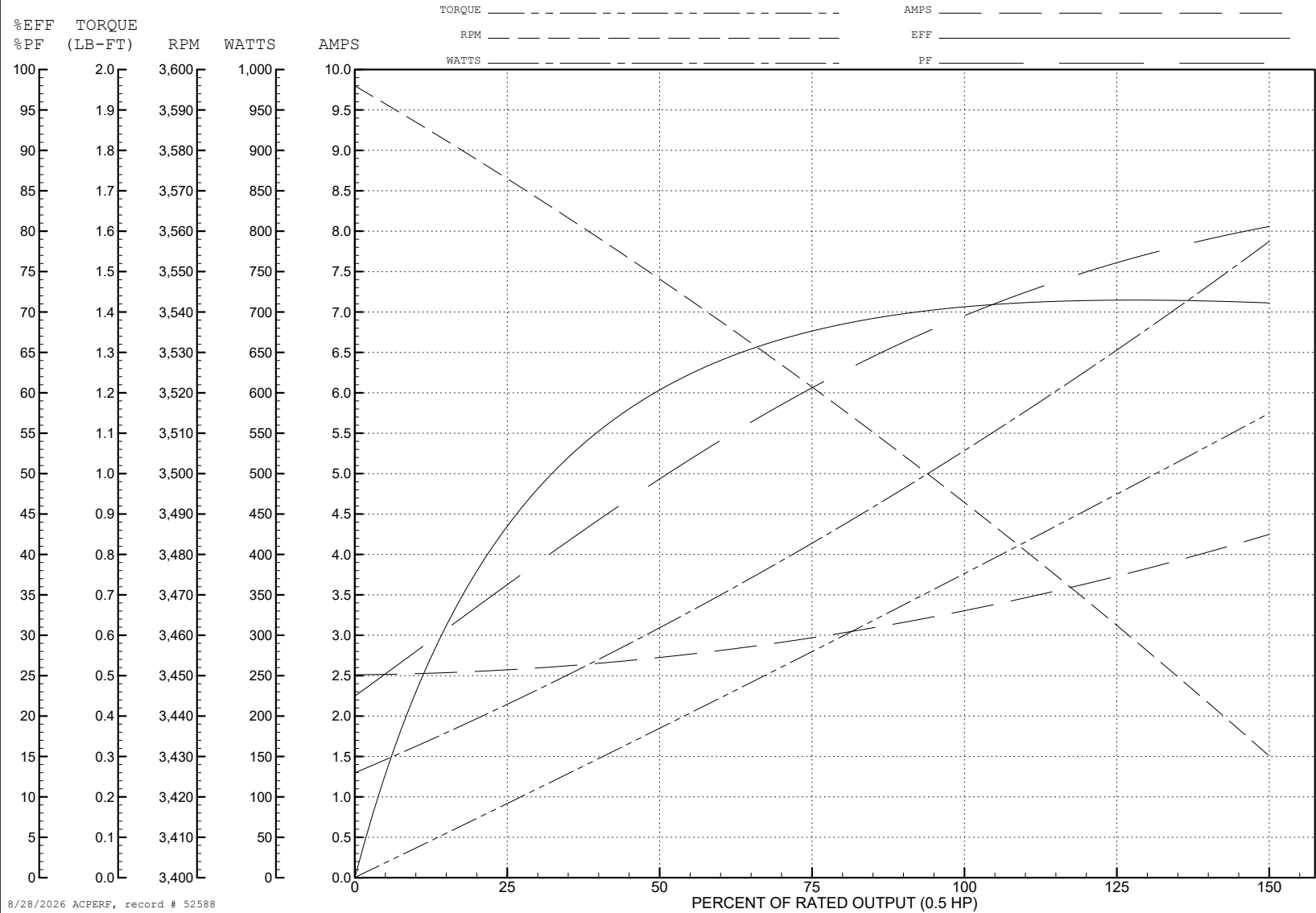
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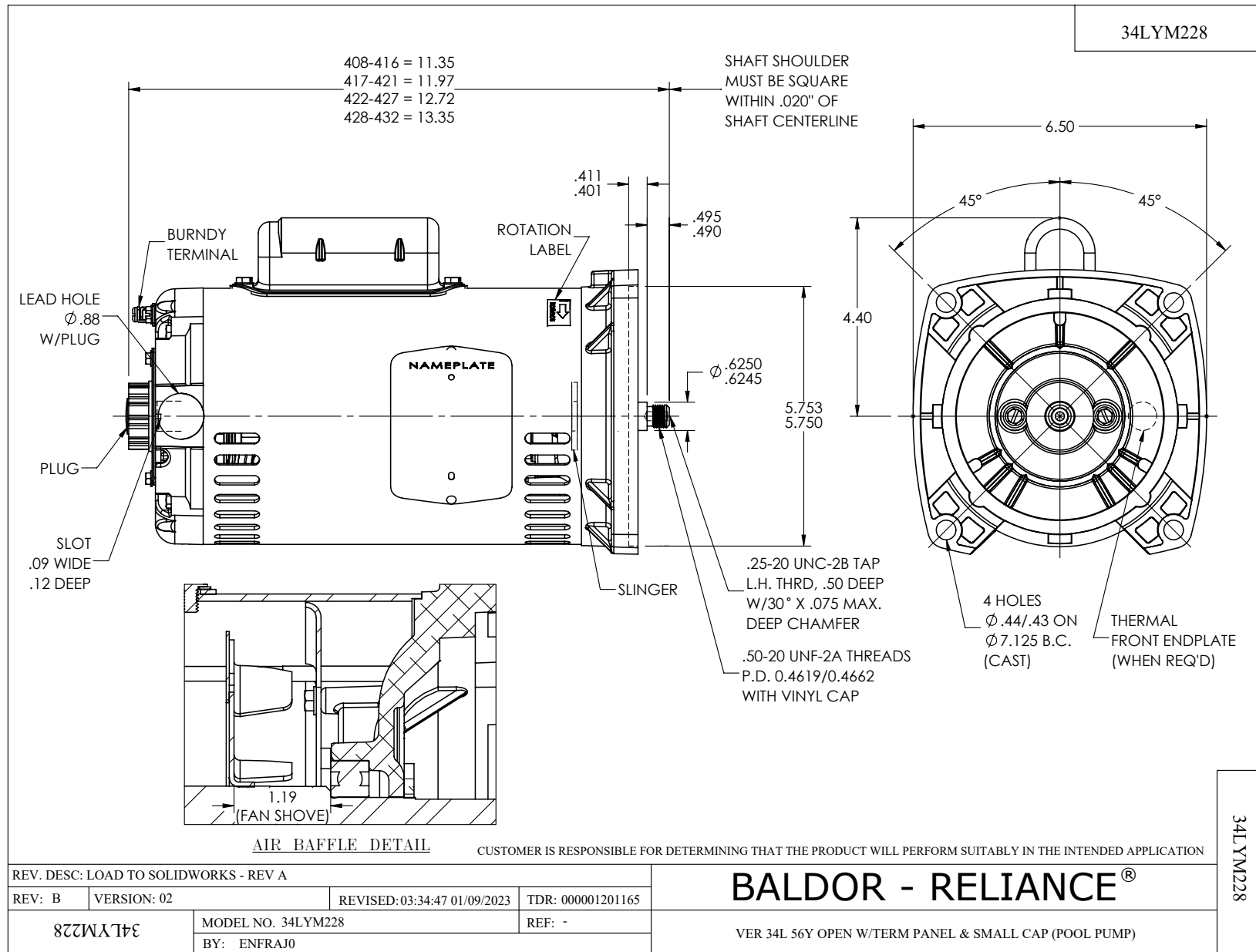
WINDING # 34WGR049

Typical performance - not guaranteed values.

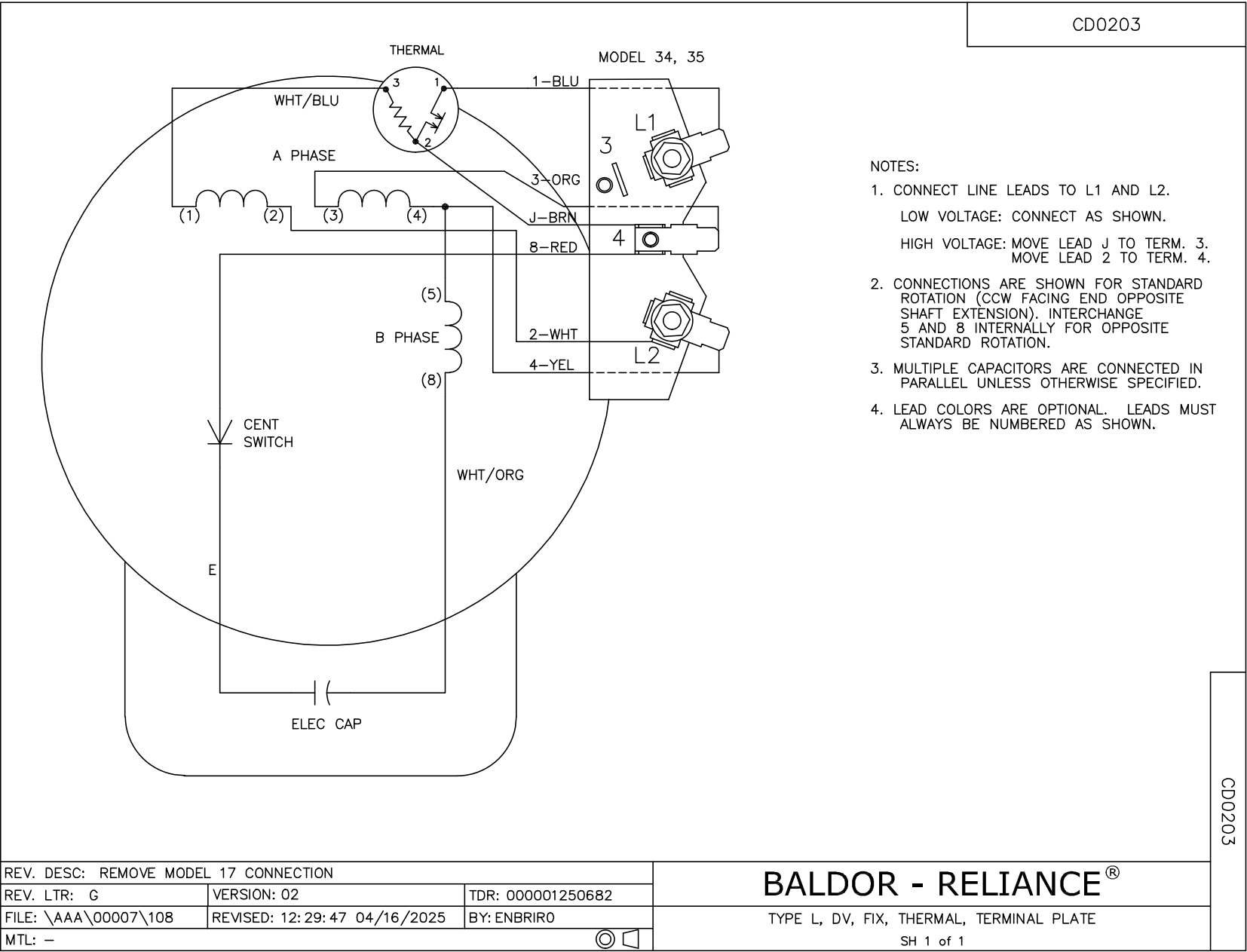
0.5 HP 1 PH 60 HZ 3450 RPM 230 V 3416L

TORQUES (LB-FT): PO=2.59 PU=1.87 LR=2.1 LRA=12.7





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