BALDOR • RELIANCE

Customer information packet

JSL325A

.5HP, 3450RPM, 1PH, 60HZ, 56Y, 3416L, OPEN, F1
Class - None
Division - Not Applicable

6/9/2025 4:40:23 AM

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
Auxillary Box	No Auxillary Box
Auxillary 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	M
Type	AC
Mech. spec.	34M228
Base	
Status	PRD/A
Elec. spec.	34WGR049
Layout	34LYM228
Eff. date	06-17-2024
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

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	**Locked-rotor Torque**	2.04 LB-FT
NEMA Design Code	- **KVA Code**	G	**Starting Current**	24.5 A
Service Factor (S.F.)		1.6	**No-load Current**	5.04 A
NEMA Nom. Eff.	70 **Power Factor**	69	**Line-line Res. @ 25ºC**	0.87803 Ω A Ph 2.7463 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

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

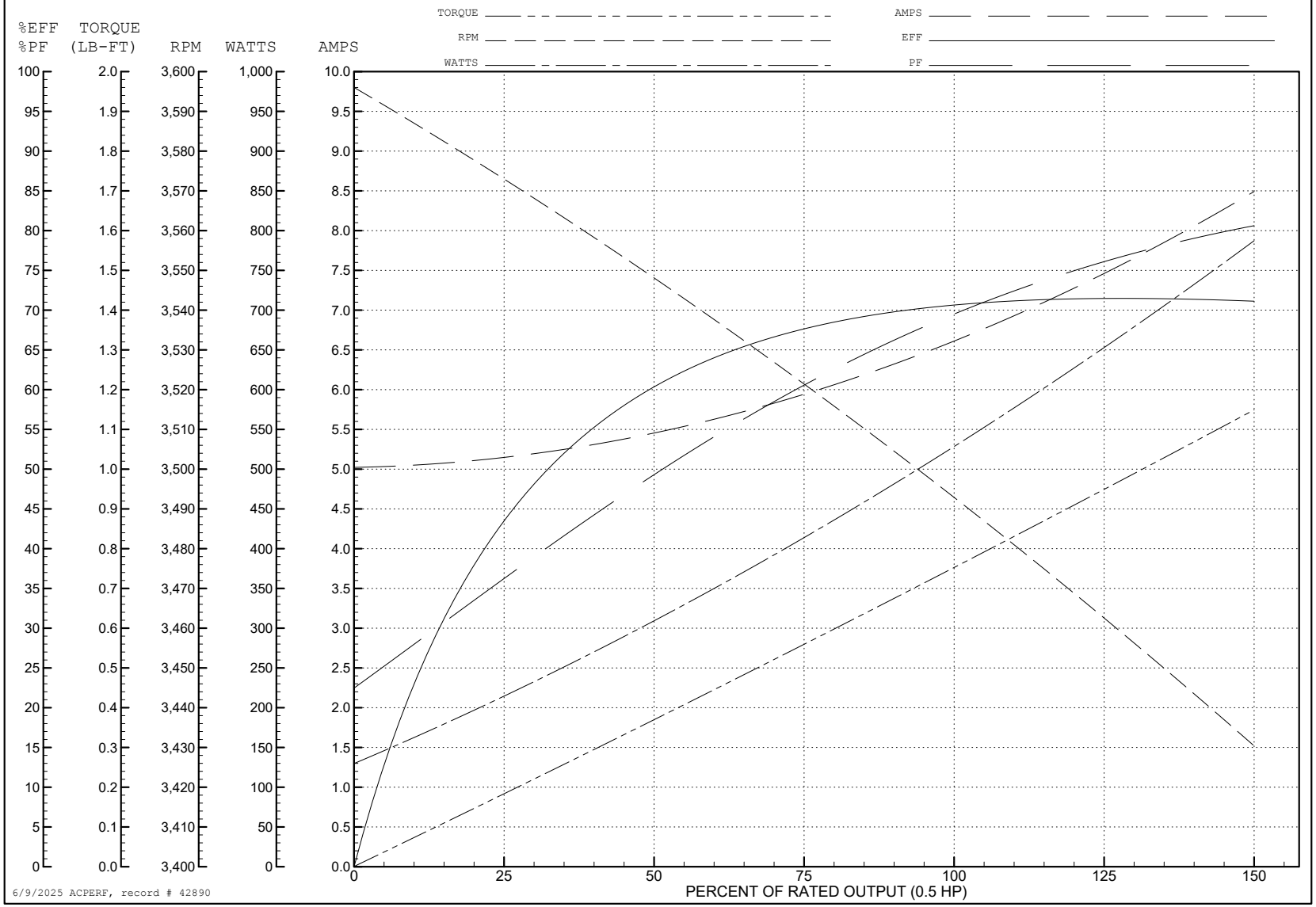
ABB Motors and Mechanical Inc.

WINDING # 34WGR049

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

Typical performance - not guaranteed values.

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



6/9/2025 ACPERF, record # 42890

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. @ 25ºC**	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

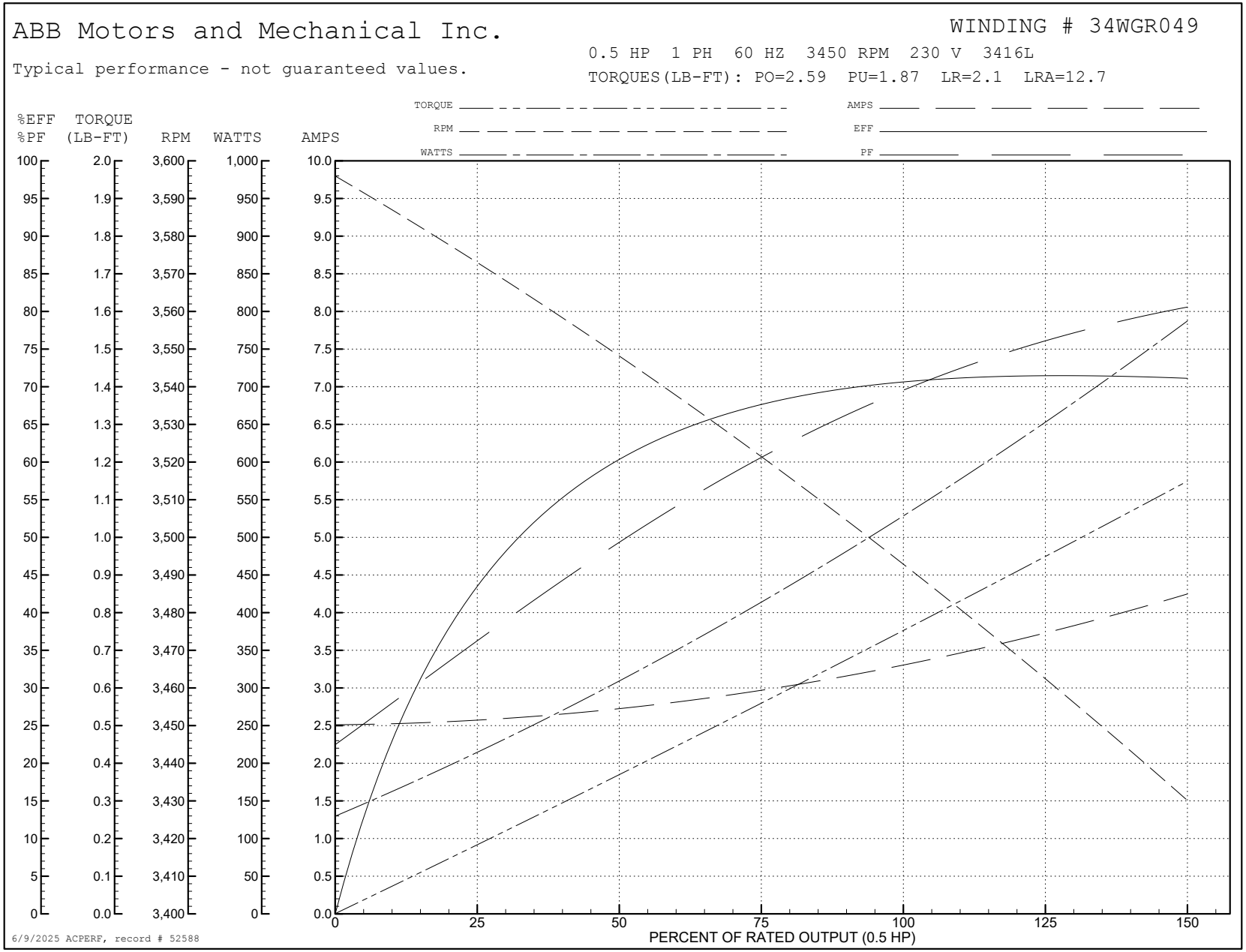
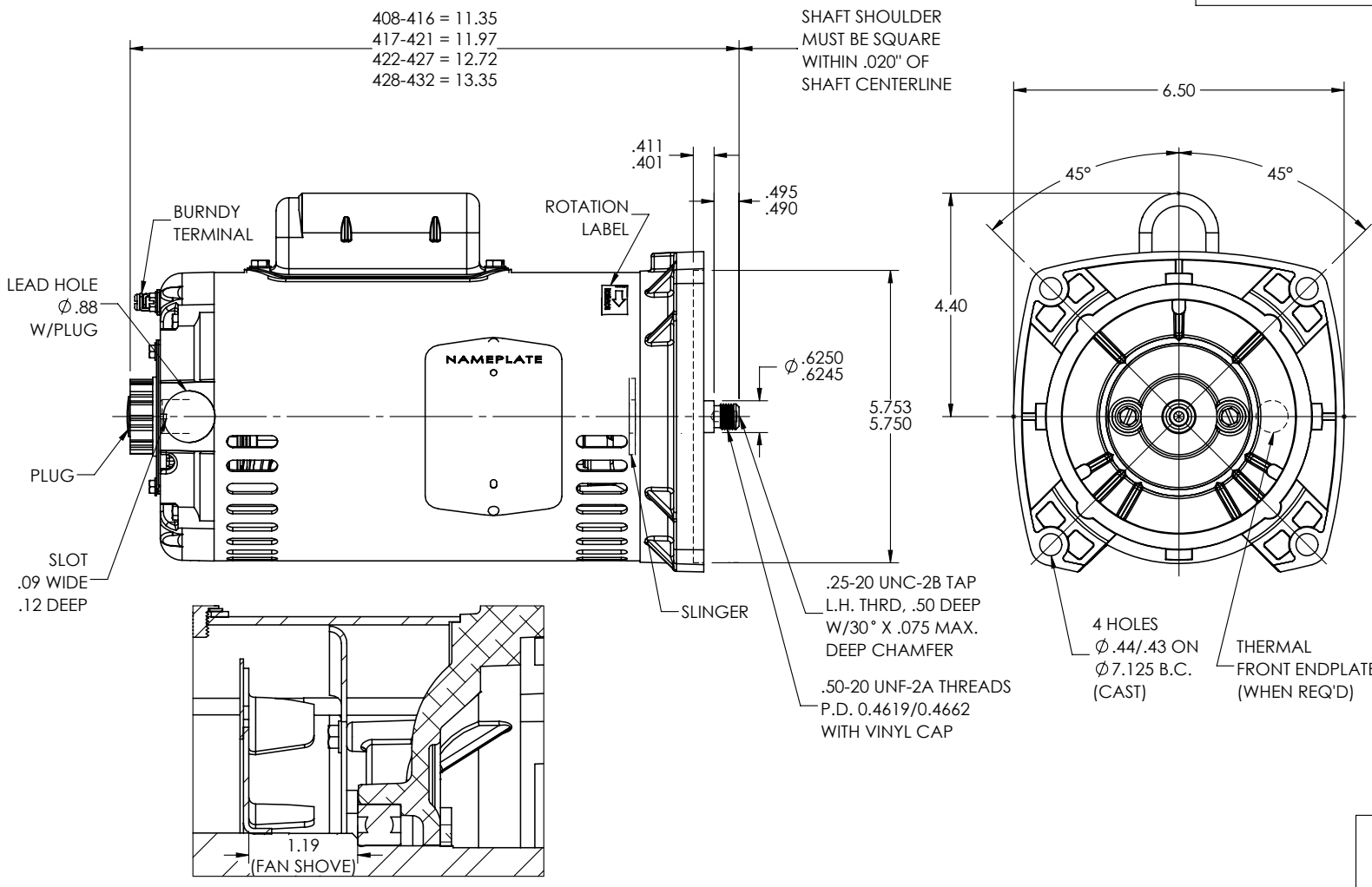


ABB Motors and Mechanical Inc.
WINDING # 34WGR049
Typical performance - not guaranteed values.
0.5 HP 1 PH 60 HZ 3450 RPM 230 V 3416L
TORQUES(LB-FT): PO=2.59 PU=1.87 LR=2.1 LRA=12.7
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0
2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0
3,600 3,590 3,580 3,570 3,560 3,550 3,540 3,530 3,520 3,510 3,500 3,490 3,480 3,470 3,460 3,450 3,440 3,430 3,420 3,410 3,400
1,000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50 0
10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
0 25 50 75 100 125 150
PERCENT OF RATED OUTPUT (0.5 HP)
6/9/2025 ACPERF, record # 52588

34LYM228



AIR BAFFLE DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

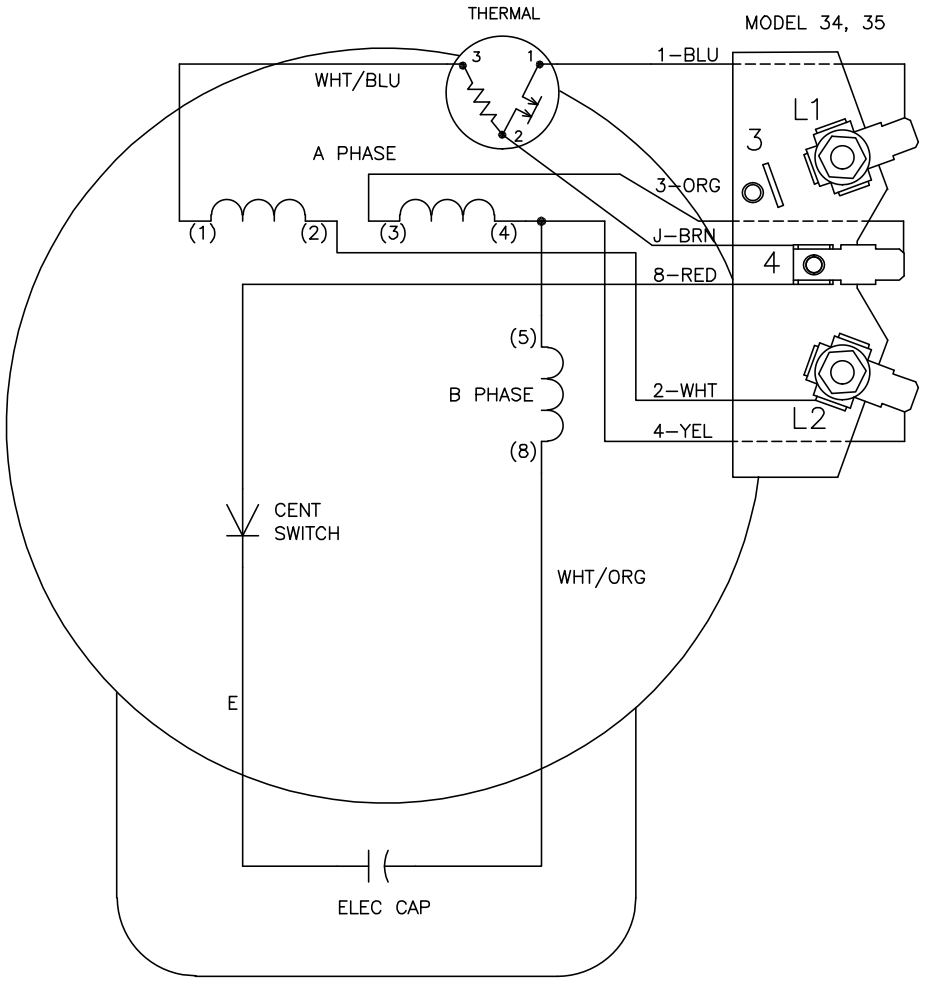
REV. DESC: LOAD TO SOLIDWORKS - REV A			
REV: B	VERSION: 02	REVISED: 03:34:47 01/09/2023	TDR: 000001201165
34LYM228	MODEL NO. 34LYM228		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

VER 34L 56Y OPEN W/TERM PANEL & SMALL CAP (POOL PUMP)

34LYM228

CD0203



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.

   LOW VOLTAGE: CONNECT AS SHOWN.

   HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
   MOVE LEAD 2 TO TERM. 4.

2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE 5 AND 8 INTERNALLY FOR OPPOSITE STANDARD ROTATION.

3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.

4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0203

REV. DESC: REMOVE MODEL 17 CONNECTION		
REV. LTR: G	VERSION: 02	TDR: 000001250682
FILE: \AAA\00007\108	REVISED: 12:29:47 04/16/2025	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE L, DV, FIX, THERMAL, TERMINAL PLATE

SH 1 of 1