BALDOR • RELIANCE

Customer information packet

KL1205A

.33HP, 3450RPM, 1PH, 60HZ, 56C, 3413L, OPEN, F1
Class - None
Division - Not Applicable

2/22/2024 8:13:30 AM

Specifications

Enclosure	OPEN
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	UR
	CSA
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	3.000 A @ 230.0 V
	3.500 A @ 208.0 V
	6.000 A @ 115.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	AA
Type	AC
Mech. spec.	34-239
Base	
Status	INA/A
Elec. spec.	34WG0649
Layout	34LY0239
Eff. date	03-07-2017
CD Diagram	CD0008
Poles	02
Leads	7#18
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	3.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.35 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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	SB
Winding Thermal 2	None

Nameplate

NP1257L								
CAT.NO.	KL1205A							
SPEC.	34-239-649							
HP	.33							
VOLTS	115/230							
AMP	6/3							
RPM	3450							
FRAME	56C	**HZ**	60	**PH**	1			
SER.F.	1.35	**CODE**	K	**DES**	N	**CL**	B	
NEMA-NOM-EFF	55	**PF**	68					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	OPEN	**SN**						
	SFA 7/3.5							

AC Induction Motor Performance Data
Record # 6592
Typical performance - not guaranteed values

Winding: 34WG0649-R001	**Type:** 3413L	**Enclosure:** OPEN

Nameplate Data			**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		.33	**Full Load Torque**	0.52 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		6/3	**Breakdown Torque**	1.3 LB-FT
R.P.M.		3450	**Pull-up Torque**	1.1 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	1.6 LB-FT
NEMA Design Code	N **KVA Code**	K	**Starting Current**	14 A
Service Factor (S.F.)		1.35	**No-load Current**	2.4 A
NEMA Nom. Eff.	55 **Power Factor**	68	**Line-line Res. @ 25ºC**	7.12 Ω A Ph 5.47 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	31°C
S.F. Amps		7/3.5	**Temp. Rise @ S.F. Load**	42°C

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	39	47	56	66	70	75	72
Efficiency	36.3	46.9	53.8	58.8	59.8	59.7	60.2
Speed	3556	3535	3508	3465	3439	3393	3429
Line amperes	2.4	2.5	2.6	2.9	3.2	3.5	3.4

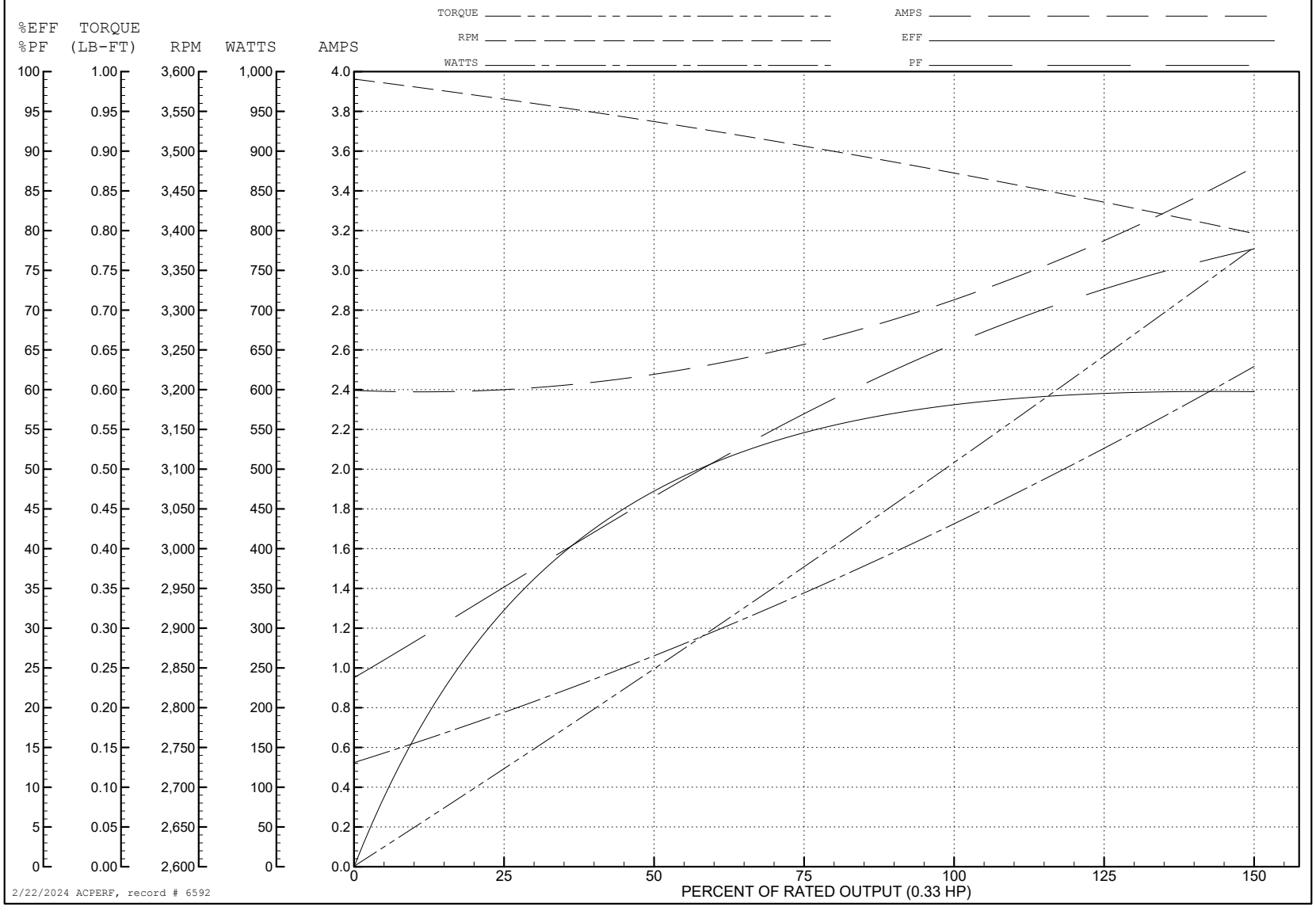
ABB Motors and Mechanical Inc.

WINDING # 34WG0649

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3413L

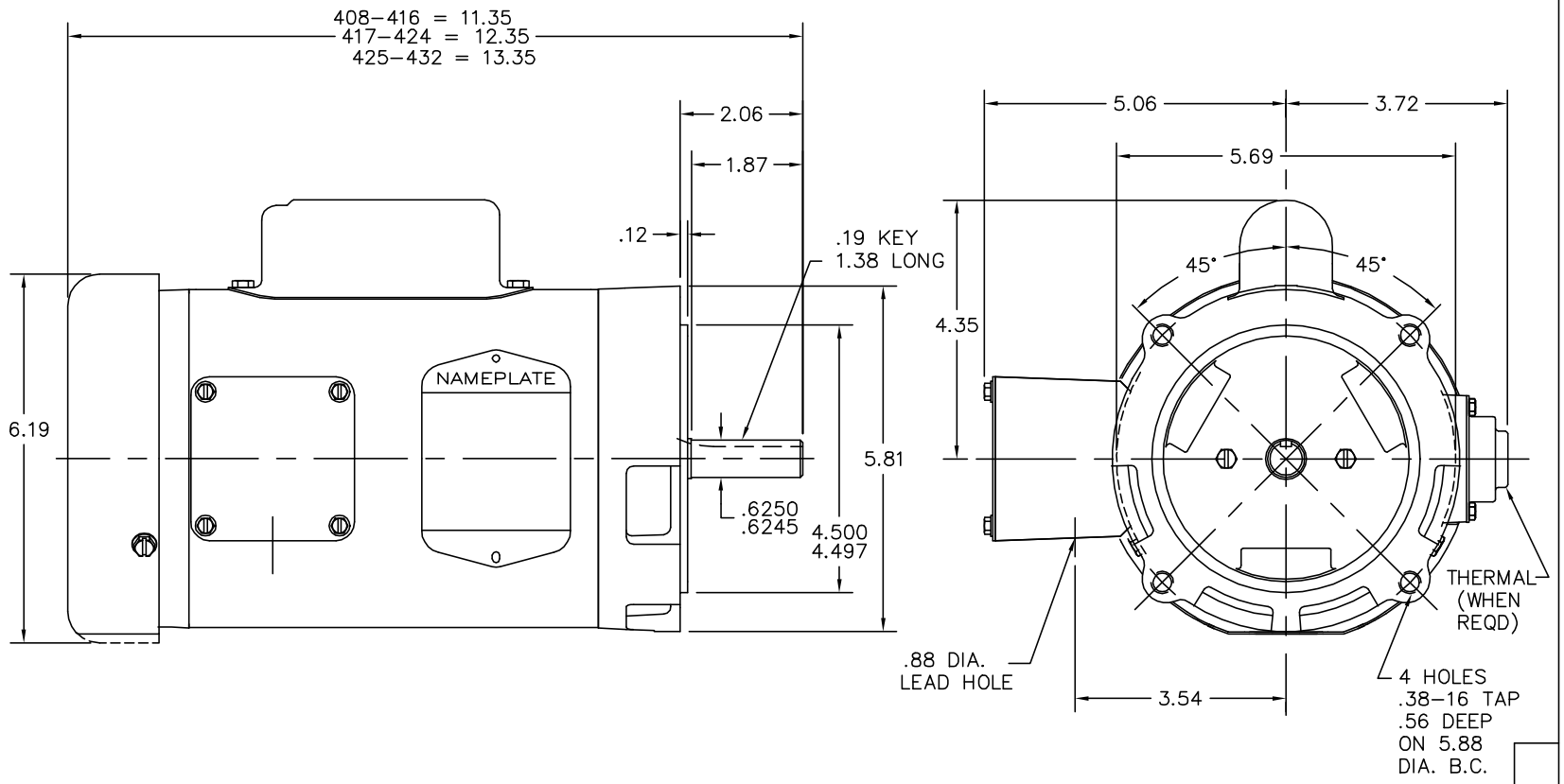
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=1.3 PU=1.1 LR=1.6 LRA=14



2/22/2024 ACPERF, record # 6592

34LY0239



34LY0239

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

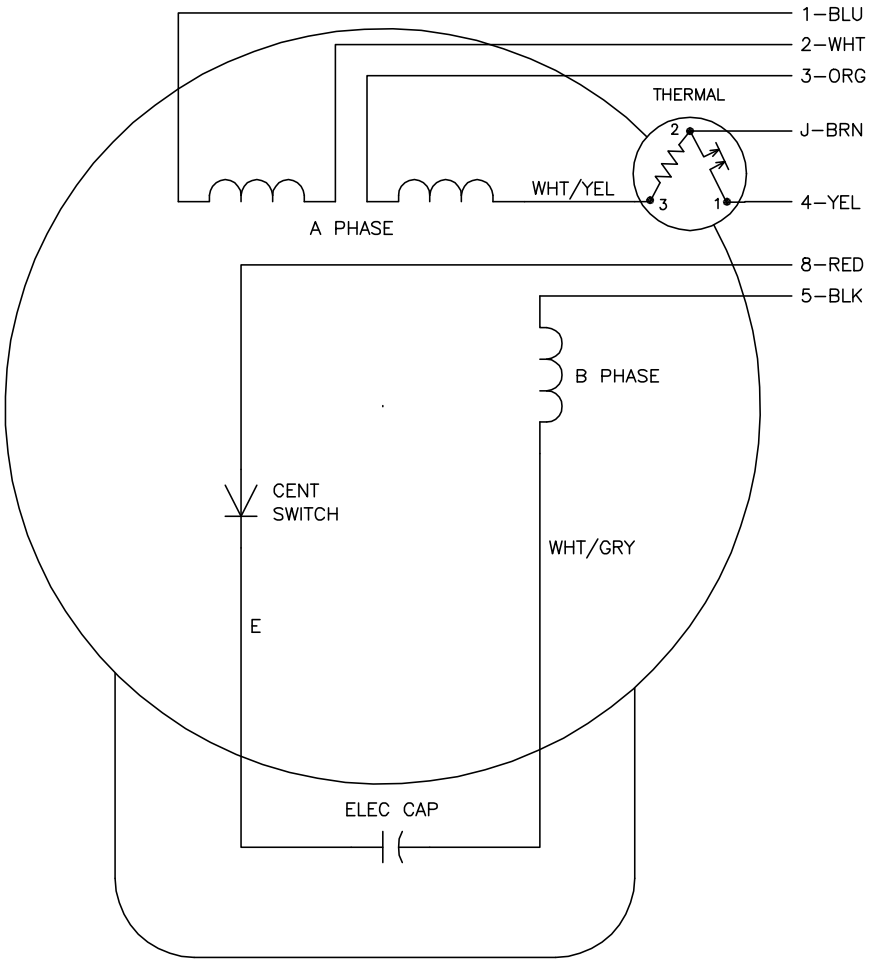
REV. DESC: ADD "NO EXT FAN" TO DESCRIPTION		
REV. LTR: H	VERSION: 03	TDR: 000000825720
FILE: \AAA\00026\290	REVISED: 10:49:46 11/08/2013	BY: ENMAIY0
MTL: –		

BALDOR

STD VERT MODEL 34L NEMA 56C OPEN W/DRIPCOVER, NO EXT FAN

SH 1 of 1

CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	–	2,J,5
LOW OPP	1,3,5	4	–	2,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.

CD0008

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0008A02			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000360649	
CD0008	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005	TYPE L, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEP0	