

ABB BALDOR RELIANCE III

Customer information packet

L1306A

.75HP, 3450RPM, 1PH, 60HZ, 56, 3424L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56
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	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.000 A @ 115.0 V 5.500 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	69.0 %
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	5.5 a

Part Detail

Revision	H
Type	AC
Mech. spec.	34D061
Base	
Status	INA/A
Elec. spec.	34WG2414
Layout	34LYD061
Eff. date	03-07-2017
CD Diagram	CD0008
Poles	02
Leads	6#18,1#14 #1TH
Proprietary	False
Created date	01-10-2006

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3424L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.75 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.25
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	Do Not Use Eve-Not Valid
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	ES

Nameplate

NP1257L											
CAT.NO.	L1306A										
SPEC.	34D061-2414G1										
HP	.75										
VOLTS	115/230										
AMP	11/5.5										
RPM	3450										
FRAME	56				HZ		60		PH		1
SER.F.	1.25		CODE		J	DES		N	CL		B
NEMA-NOM-EFF	69		PF		68						
RATING	40C AMB-CONT										
CC											
DE	6203		ODE		6203						
ENCL	OPEN		SN								
	SFA 12/6.6										

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

AC Induction Motor Performance Data

Record # 6648

Typical performance - not guaranteed values

Winding: 34WG2414-R003			Type: 3424L		Enclosure: OPEN			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		.75	Full Load Torque		1.1 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		11/5.5	Breakdown Torque		3.6 LB-FT			
R.P.M.		3450	Pull-up Torque		2.5 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		3 LB-FT		
NEMA Design Code		N	KVA Code	J	Starting Current		30 A	
Service Factor (S.F.)		1.25		No-load Current		4.2 A		
NEMA Nom. Eff.		69	Power Factor		68	Line-line Res. @ 25°C		2.37 Ω A Ph 1.66 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		42°C		
S.F. Amps		12/6.6		Temp. Rise @ S.F. Load		51°C		

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	60	68	74	78	74
Efficiency	42.5	59	66	69	69.5	68.5	69.5
Speed	3565	3545	3520	3465	3440	3405	3440
Line amperes	4.3	4.6	5	5.5	6	6.7	6

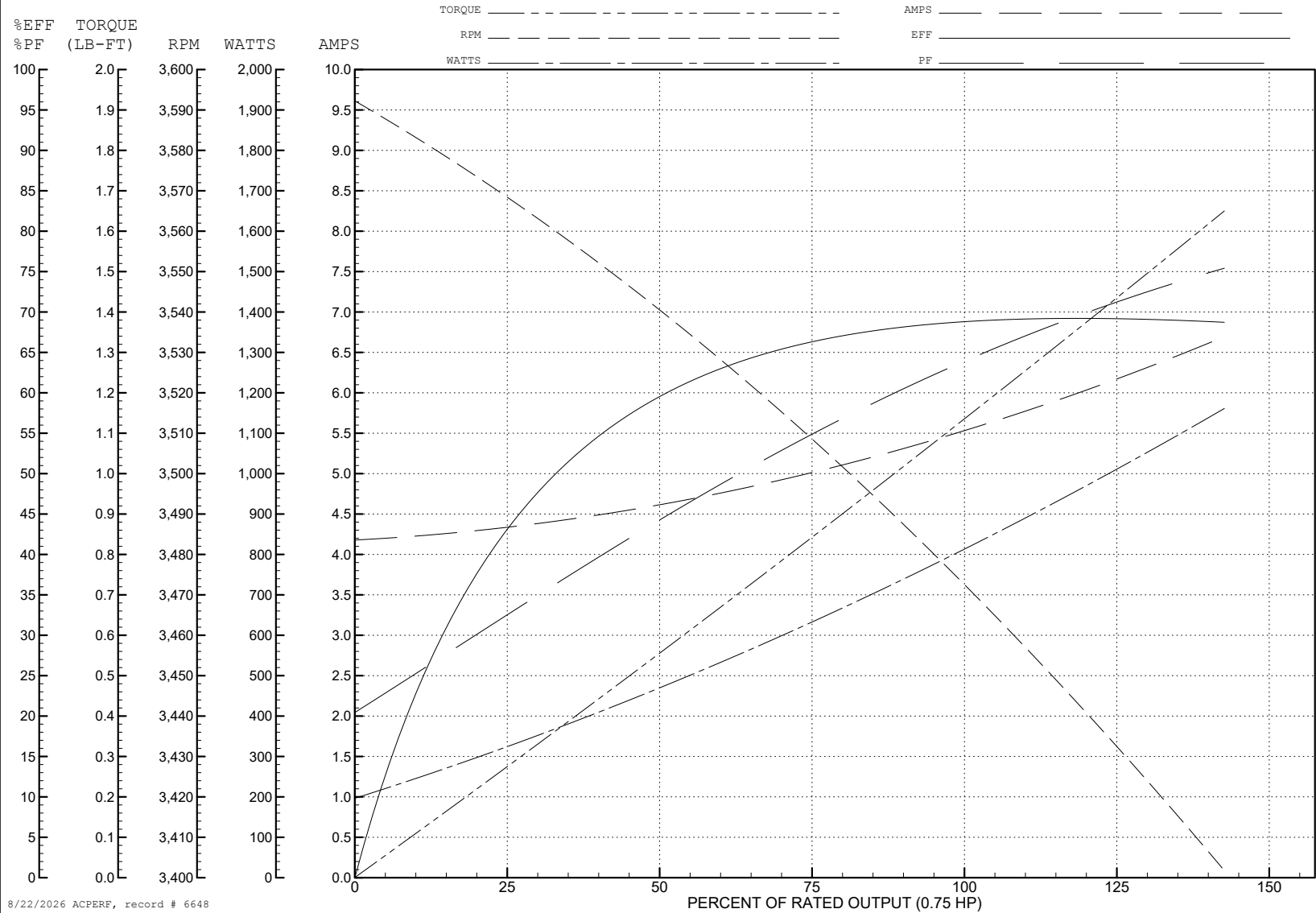
ABB Motors and Mechanical Inc.

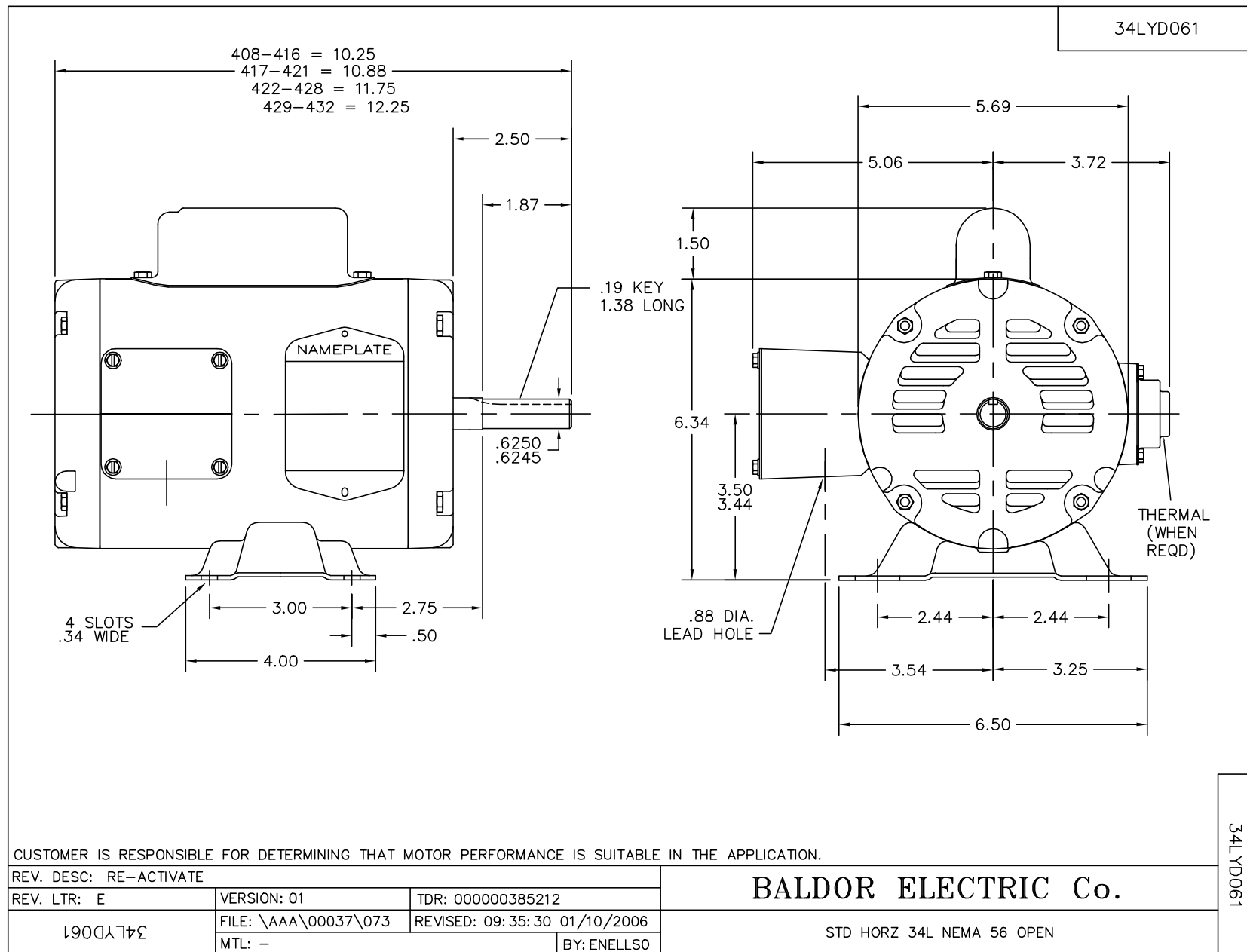
WINDING # 34WG2414

Typical performance - not guaranteed values.

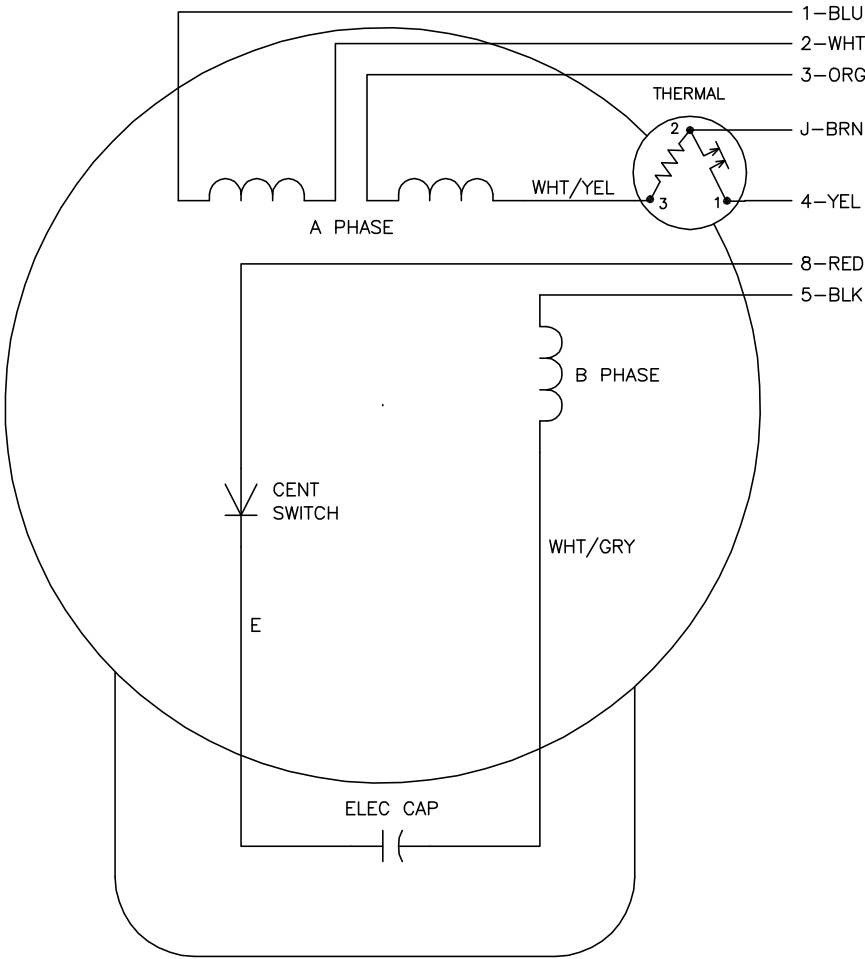
0.75 HP 1 PH 60 HZ 3450 RPM 230 V 3424L

TORQUES (LB-FT) : PO=3.6 PU=2.5 LR=3 LRA=30





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.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008