

ABB BALDOR RELIANCE III

Customer information packet

L1318M

1HP, 1725RPM, 1PH, 60HZ, 56/56H, 3528L, OPEN

Class -

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	56/56H
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UR
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	6.200 A @ 230.0 V 12.400 A @ 115.0 V
Design Code	L
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	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.2 a
Insulation Class	B
Inverter Code	Not Inverter

Part Detail

Revision	AC
Type	AC
Mech. spec.	35J384
Base	
Status	NLA/A
Elec. spec.	35WG0602
Layout	35LYJ384
Eff. date	04-10-2015
CD Diagram	CD0008
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	01-01-0001

KVA Code	K
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	3528L
Mounting Arrangement	F1
Number of Poles	4
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	1.00
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	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L										
CAT.NO.										
SPEC.	35J384-602									
HP	1									
VOLTS	115/230									
AMP	12.4/6.2									
RPM	1725									
FRAME	56/56H			HZ		60		PH	1	
SER.F.	1.00	CODE	K	DES	L	CL	B			
NEMA-NOM-EFF	67	PF	68							
RATING	40C AMB-CONT									
CC										
DE	6205	ODE	6203							
ENCL	OPEN	SN								

Accessories

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

AC Induction Motor Performance Data

Record # 8096

Typical performance - not guaranteed values

Winding: 35WG0602-R001			Type: 3528L		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1	Full Load Torque		3 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		12.4/6.2	Breakdown Torque		7 LB-FT		
R.P.M.		1725	Pull-up Torque		6 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		7.62 LB-FT	
NEMA Design Code		L	KVA Code	K	Starting Current		39 A
Service Factor (S.F.)			1	No-load Current		3.8 A	
NEMA Nom. Eff.		67	Power Factor	68	Line-line Res. @ 25°C		2.73 Ω A Ph 1.76 Ω B Ph
Rating - Duty			40C AMB-CONT	Temp. Rise @ Rated Load		42°C	

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	57	70	77	83	86	81
Efficiency	51	64.5	67	68.5	66.5	63.5	67.5
Speed	1790	1780	1765	1750	1735	1710	1742
Line amperes	4	4.5	5.2	6.2	7.25	8.7	6.8

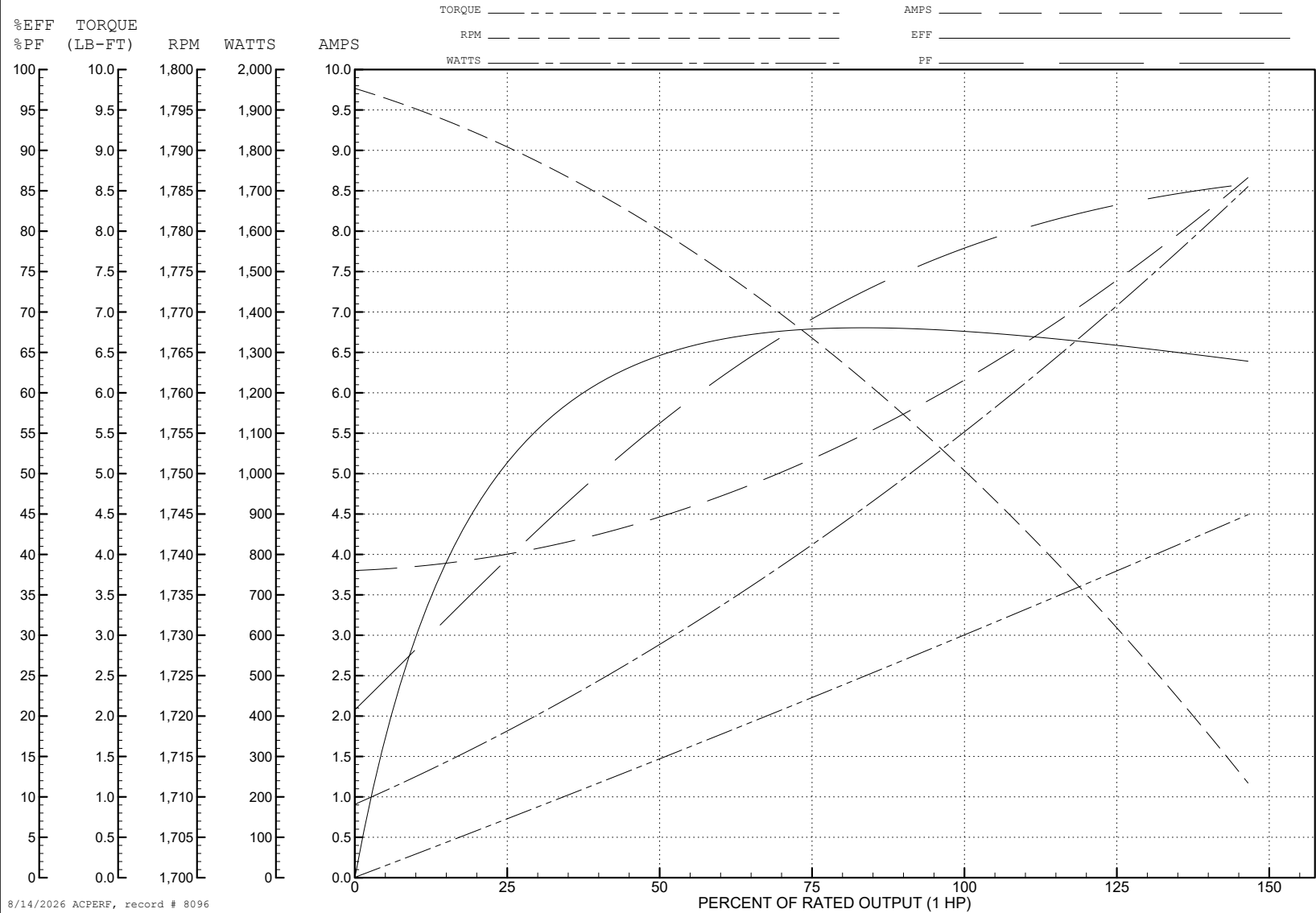
ABB Motors and Mechanical Inc.

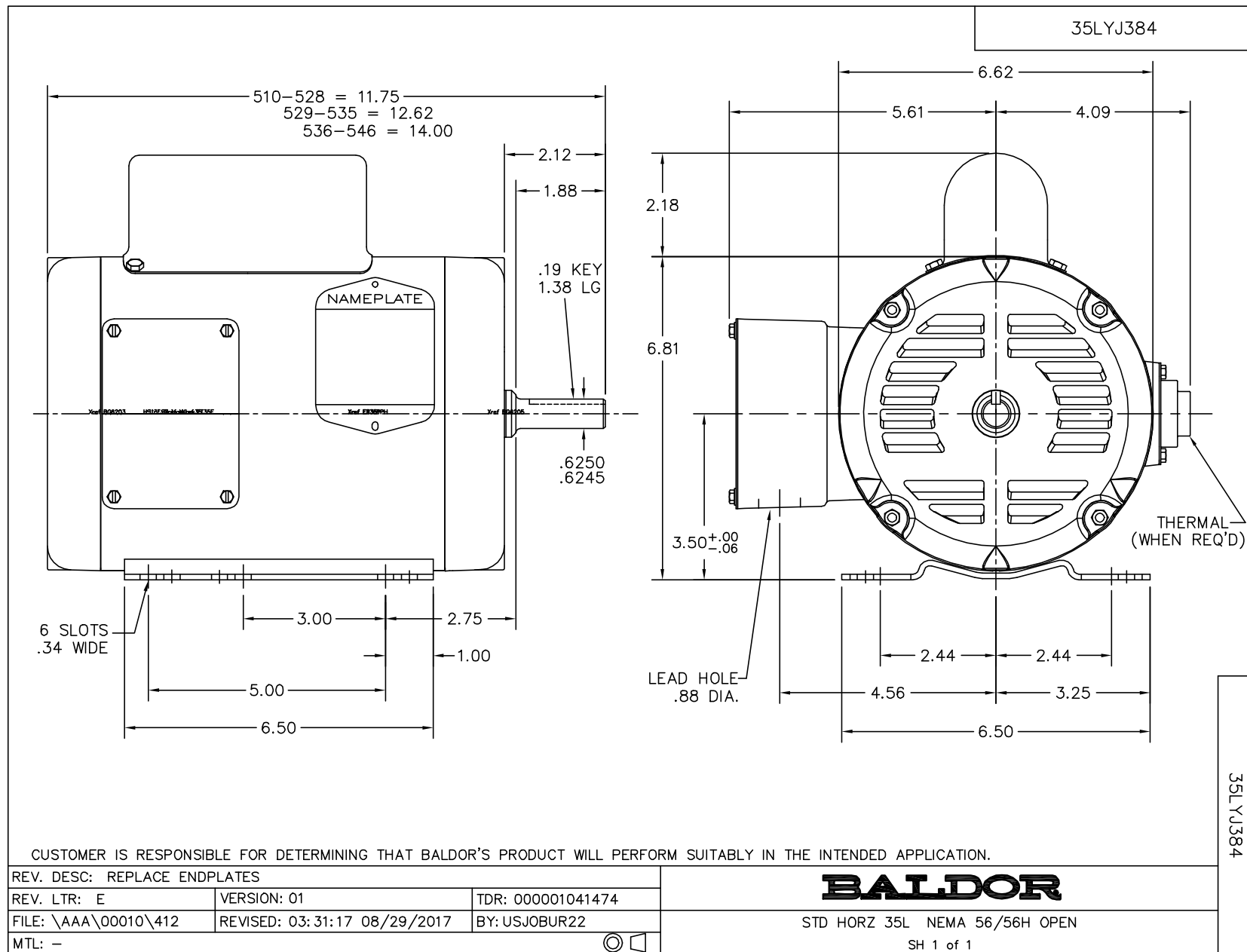
WINDING # 35WG0602

Typical performance - not guaranteed values.

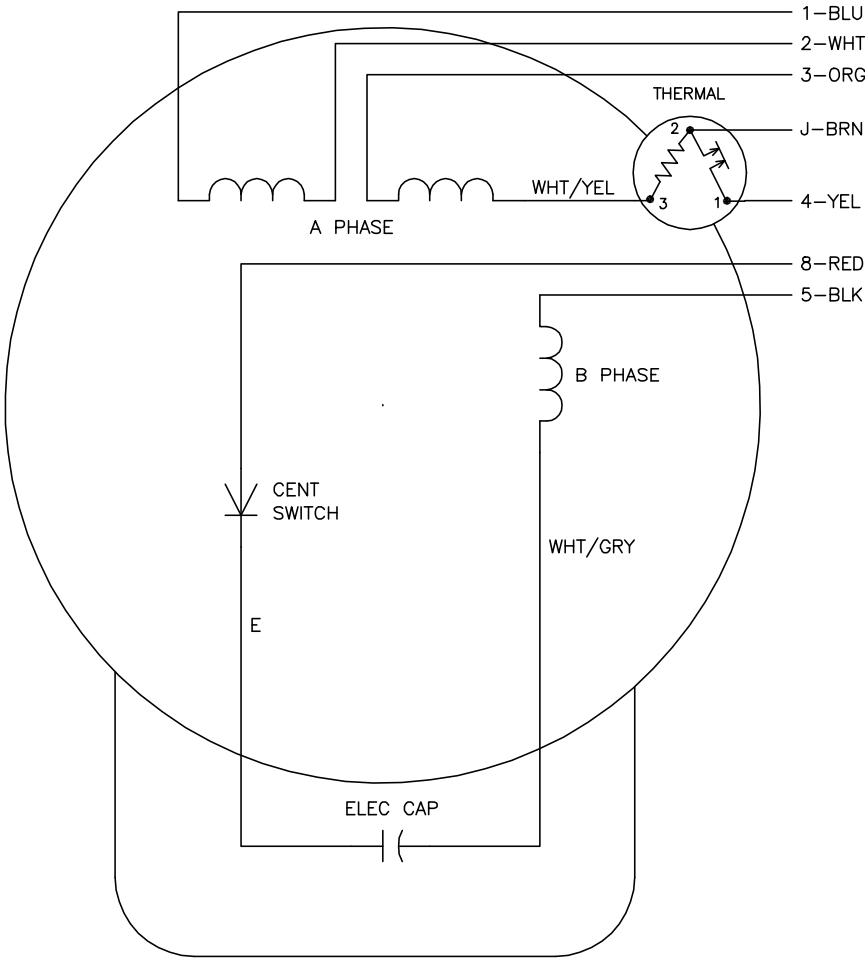
1 HP 1 PH 60 HZ 1725 RPM 230 V 3528L

TORQUES (LB-FT) : PO=7 PU=6 LR=7.62 LRA=39





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