ABB BALDOR RELIANCE

Customer information packet

L1318M

1HP, 1725RPM, 1PH, 60HZ, 56/56H, 3528L, OPEN
Class -
Division - Not Applicable

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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	

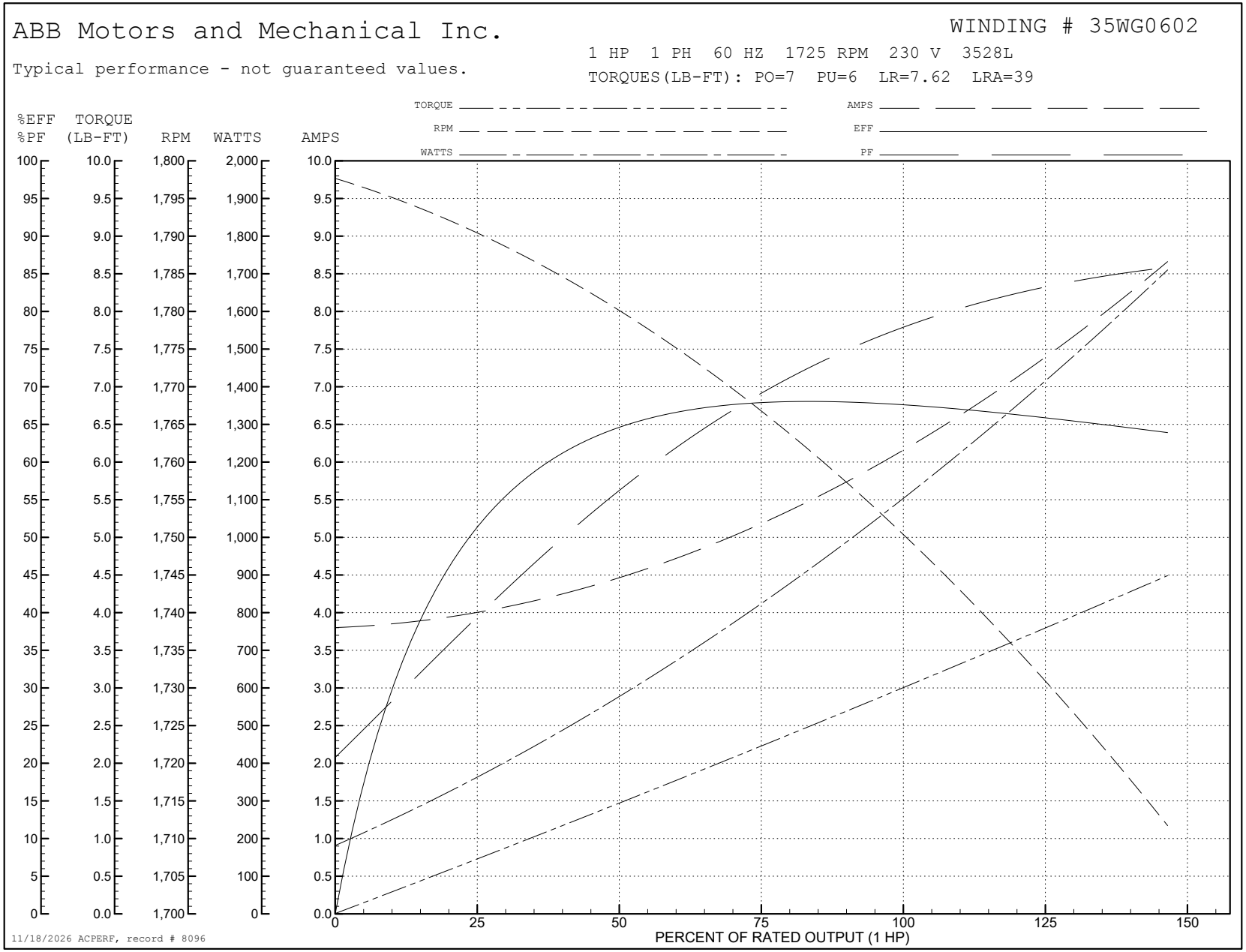
AC Induction Motor Performance Data
Record # 8096
Typical performance - not guaranteed values

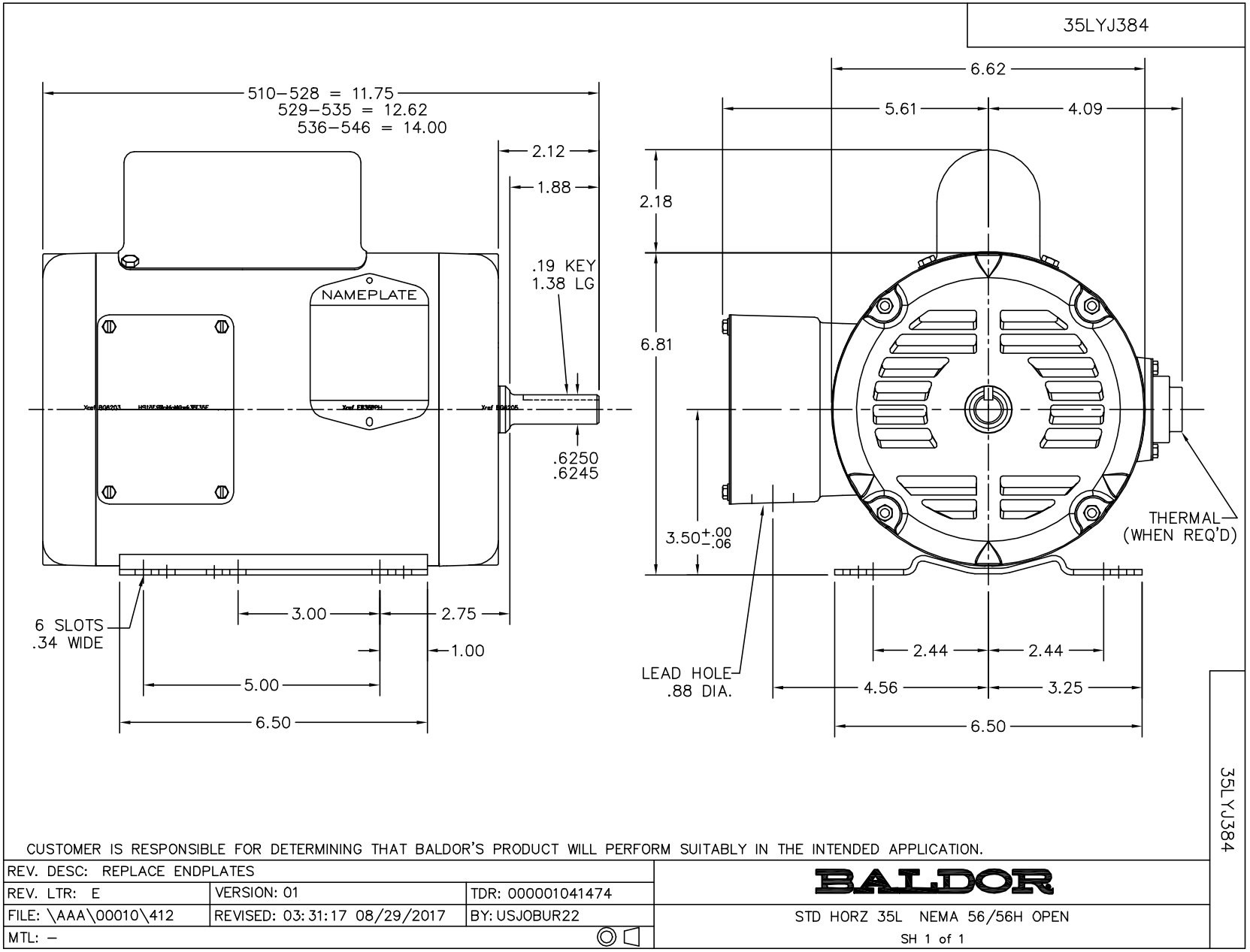
Winding: 35WG0602-R001	**Type:** 3528L	**Enclosure:** TEFC

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. @ 25ºC**	2.73 Ω A Ph 1.76 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	42°C

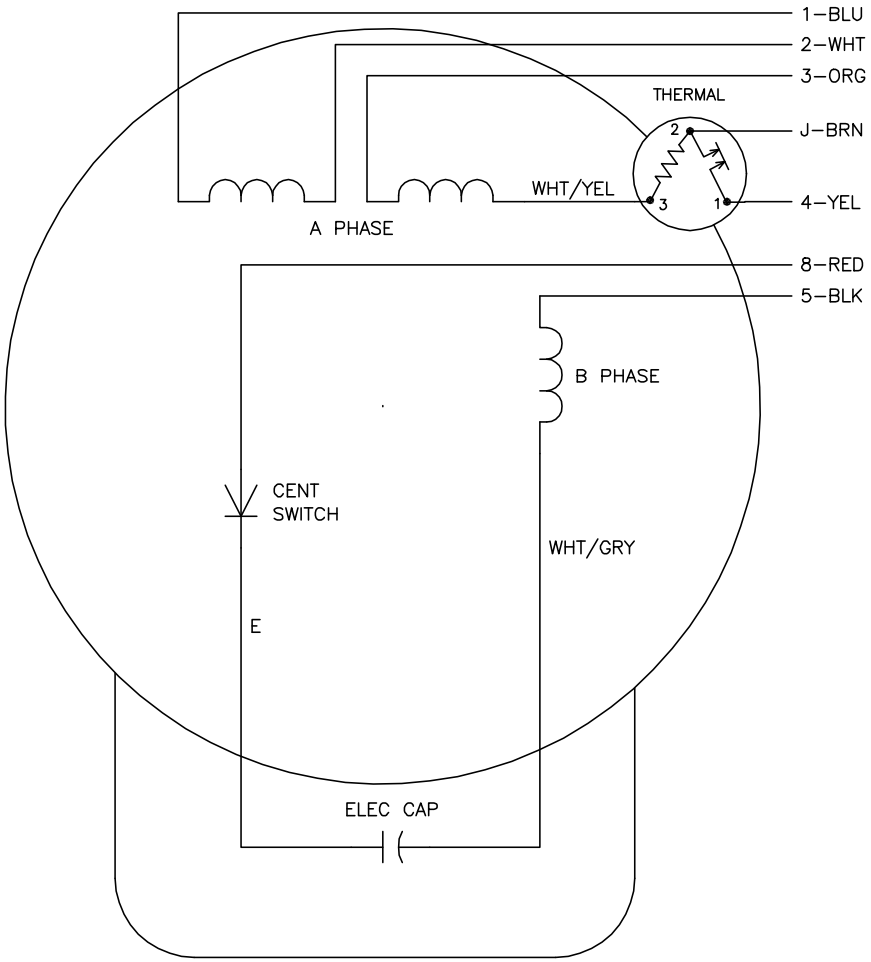
Load Characteristics 230 V, 60 Hz, 1 HP

% 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
1 HP 1 PH 60 HZ 1725 RPM 230 V 3528L
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=7 PU=6 LR=7.62 LRA=39
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1 HP)
11/18/2026 ACPERF, record # 8096


35LYJ384
510–528 = 11.75
529–535 = 12.62
536–546 = 14.00
2.12
1.88
.19 KEY
1.38 LG
NAMEPLATE
.6250
.6245
6 SLOTS
.34 WIDE
3.00
2.75
1.00
5.00
6.50
6.62
5.61
4.09
2.18
6.81
3.50 +.00 −.06
THERMAL
(WHEN REQ'D)
LEAD HOLE
.88 DIA.
2.44
2.44
4.56
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: REPLACE ENDPLATES
REV. LTR: E
VERSION: 01
TDR: 000001041474
FILE: \AAA\00010\412
REVISED: 03:31:17 08/29/2017
BY: USJOBUR22
MTL: –
BALDOR
STD HORZ 35L NEMA 56/56H OPEN
SH 1 of 1
35LYJ384

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	