ABB BALDOR RELIANCE

Customer information packet

L1319M

1.5HP, 1725RPM, 1PH, 60HZ, 56/56H, 3528L, OPEN
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56/56H
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	1.500 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	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	18.000 A @ 115.0 V
	9.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
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	9.0 a

Part Detail

Revision	AJ
Type	AC
Mech. spec.	35J384
Base	
Status	INA/A
Elec. spec.	35WG2444
Layout	35LYJ384
Eff. date	03-07-2017
CD Diagram	CD0269
Poles	04
Leads	4#16 A&J,2#18 B PH,1#14 #4TH
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A&J
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	74
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
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.	L1319M								
SPEC.	35J384-2444								
HP	1.5								
VOLTS	115/230								
AMP	18/9								
RPM	1725								
FRAME	56/56H		**HZ**	60		**PH**	1		
SER.F.	1.15	**CODE**	K	**DES**	L	**CL**	F		
NEMA-NOM-EFF	68	**PF**	74						
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 # 61224
Typical performance - not guaranteed values

Winding: 35WG2444-R002	**Type:** 3528L	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			18/9	**Breakdown Torque**	10.5 LB-FT
R.P.M.			1725	**Pull-up Torque**	9.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	13.5 LB-FT
NEMA Design Code	L	**KVA Code**	K	**Starting Current**	102 A
Service Factor (S.F.)			1.15	**No-load Current**	11.6 A
NEMA Nom. Eff.	68	**Power Factor**	74	**Line-line Res. @ 25ºC**	0.471 Ω A Ph 1.04 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	
				Locked-rotor Power Factor	95.4
				Rotor inertia	0.166 LB-FT2

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	40	58	72	79	85	87	83
Efficiency	51.2	65	66.1	68	66.1	64.5	66.9
Speed	1790	1780	1765	1738	1720	1690	1727
Line amperes	12.1	13.2	15.5	18	21.2	25.2	19.9

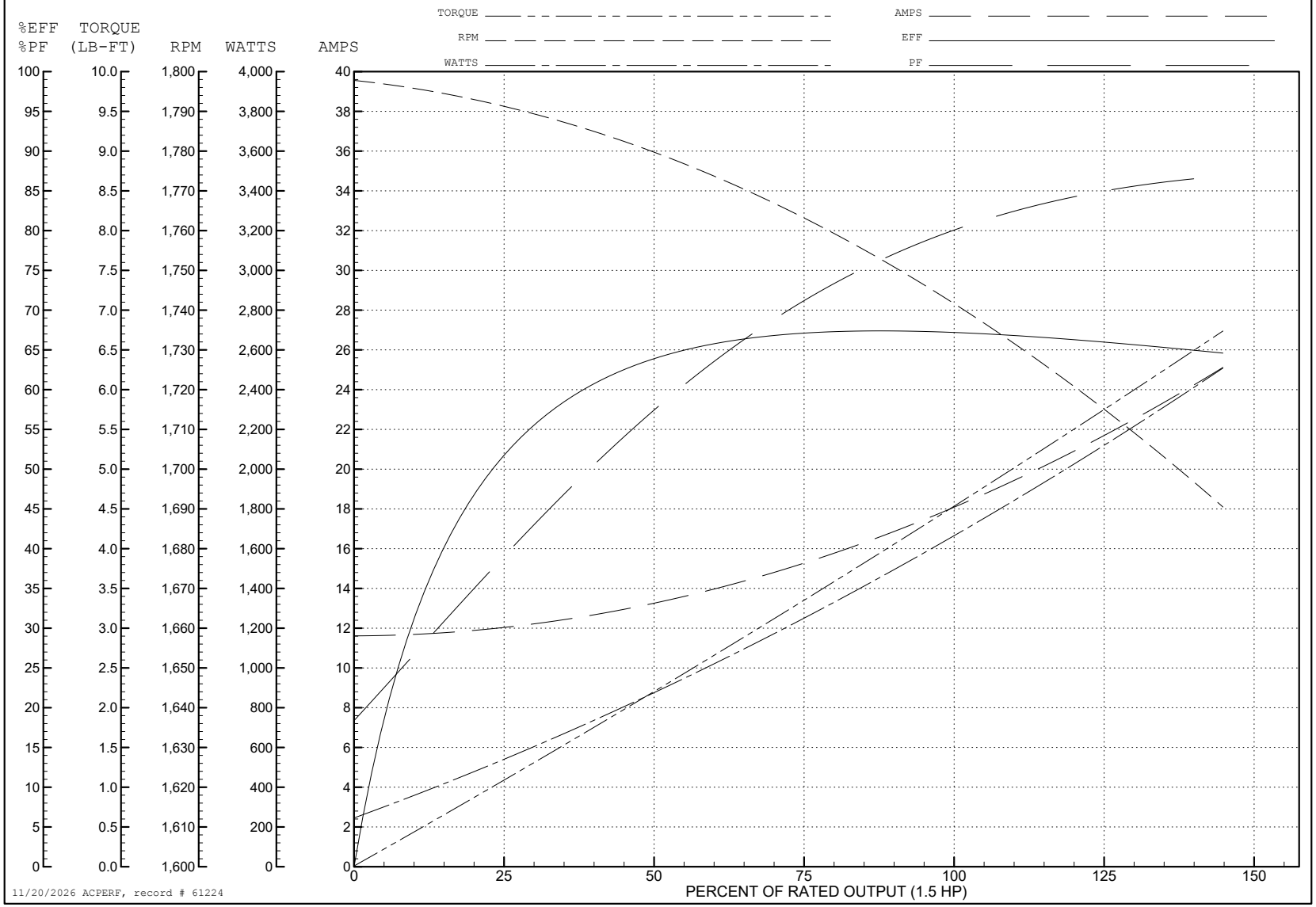
ABB Motors and Mechanical Inc.

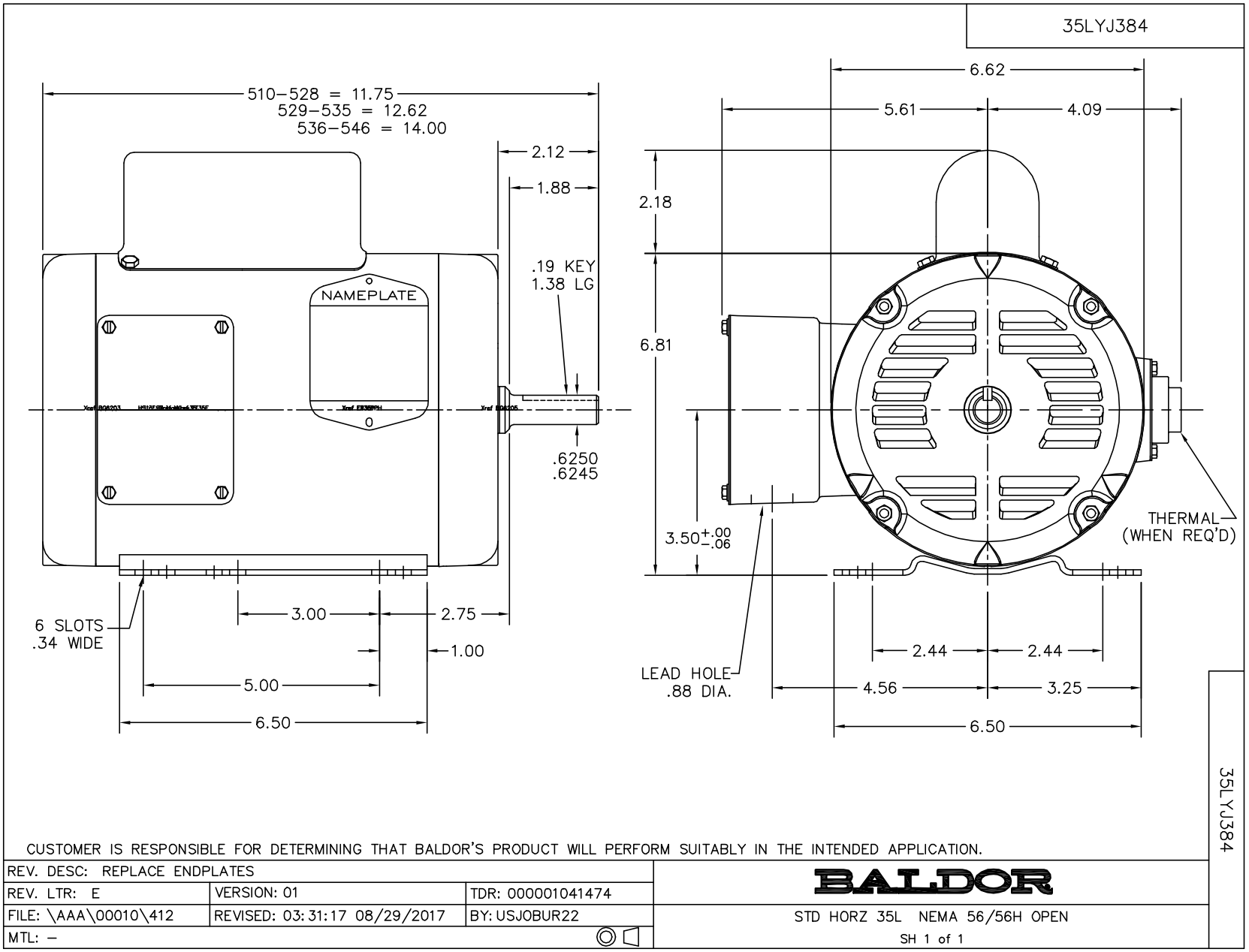
WINDING # 35WG2444

1.5 HP 1 PH 60 HZ 1725 RPM 115 V 3528L

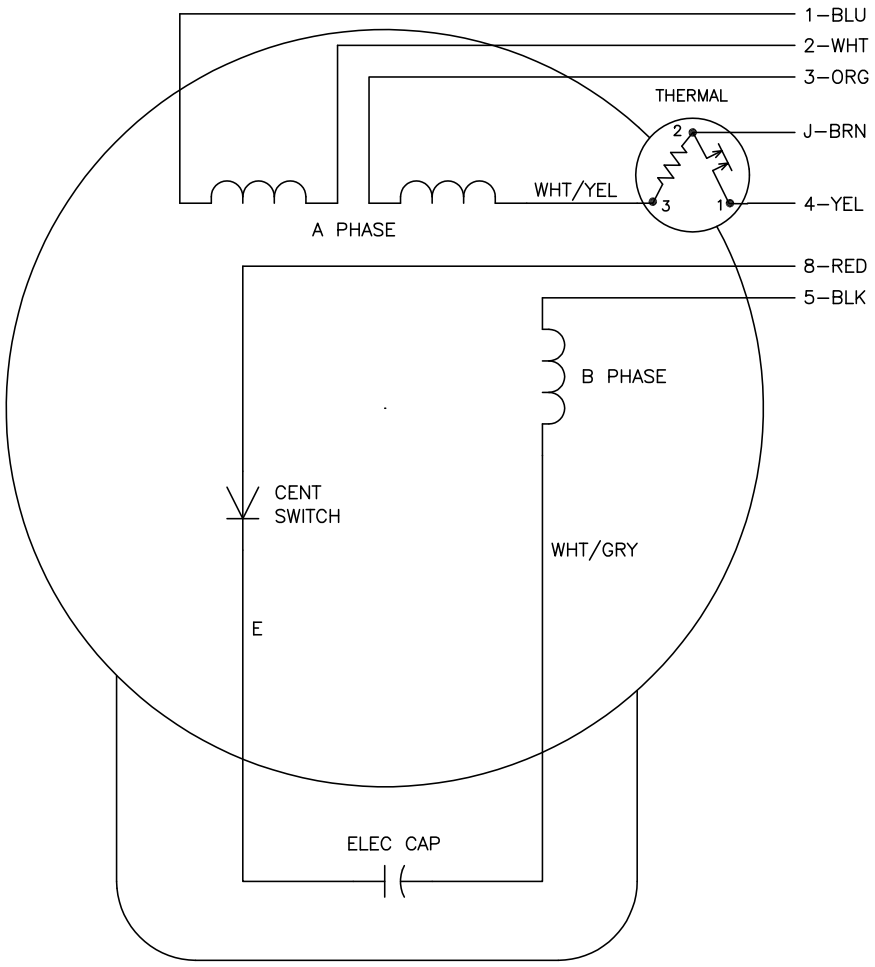
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=10.5 PU=9.5 LR=13.5 LRA=102




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

CD0269



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

CD0269

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 04/08/99 1:07	TDR: 0178636
CD0269		FILE: AAA00007421	MDL: –
		MTL: –	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD