

ABB BALDOR RELIANCE III

Customer information packet

L1319M

1.5HP, 1725RPM, 1PH, 60HZ, 56/56H, 3528L, OPEN

Class - None

Division - Not Applicable

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	
Service Factor (S.F.)		1.15	Starting Current		102 A	
Service Factor (S.F.)		1.15	No-load Current		11.6 A	
NEMA Nom. Eff.		68	Power Factor		74	
NEMA Nom. Eff.		68	Power Factor		74	
Line-line Res. @ 25°C		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

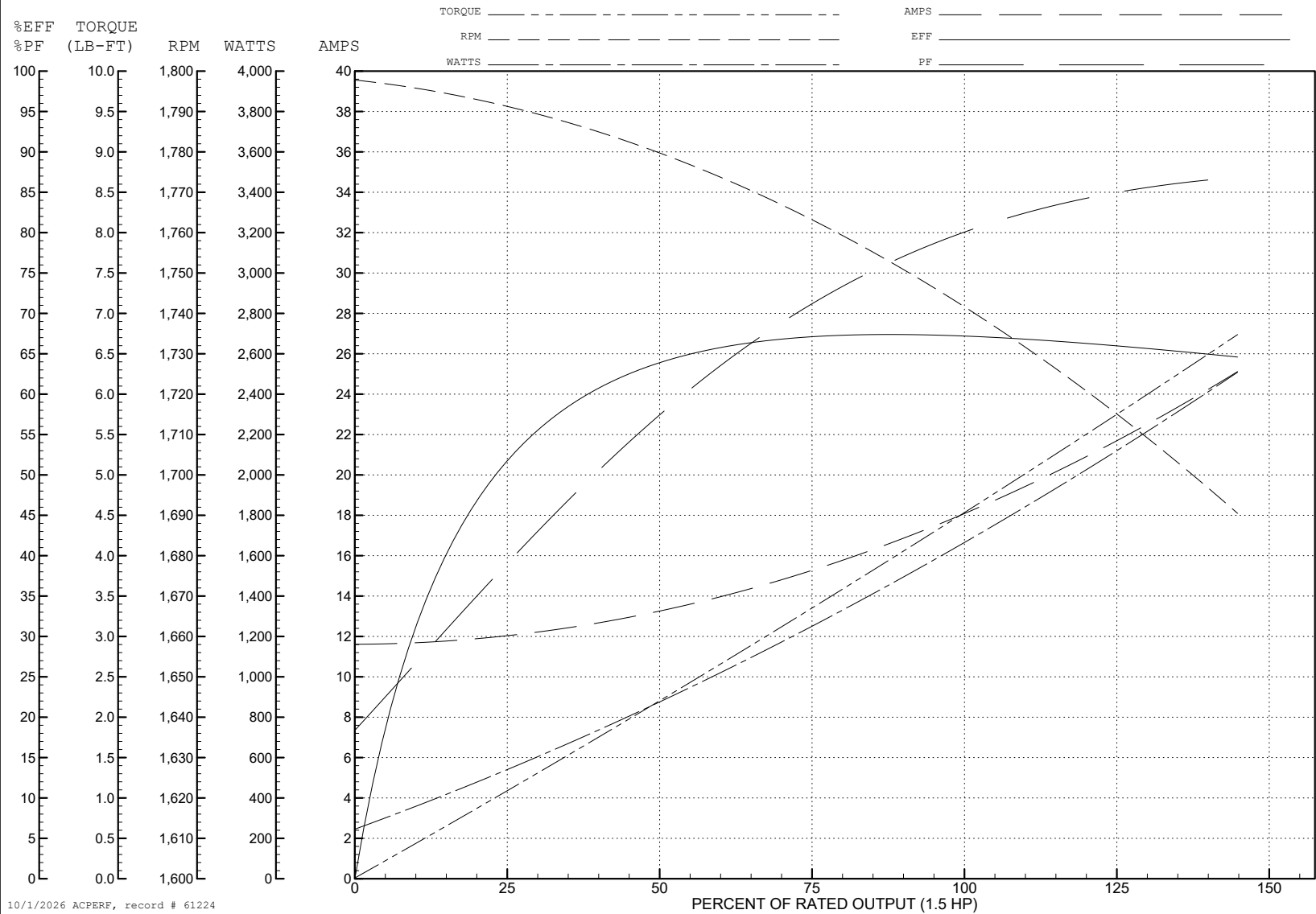
ABB Motors and Mechanical Inc.

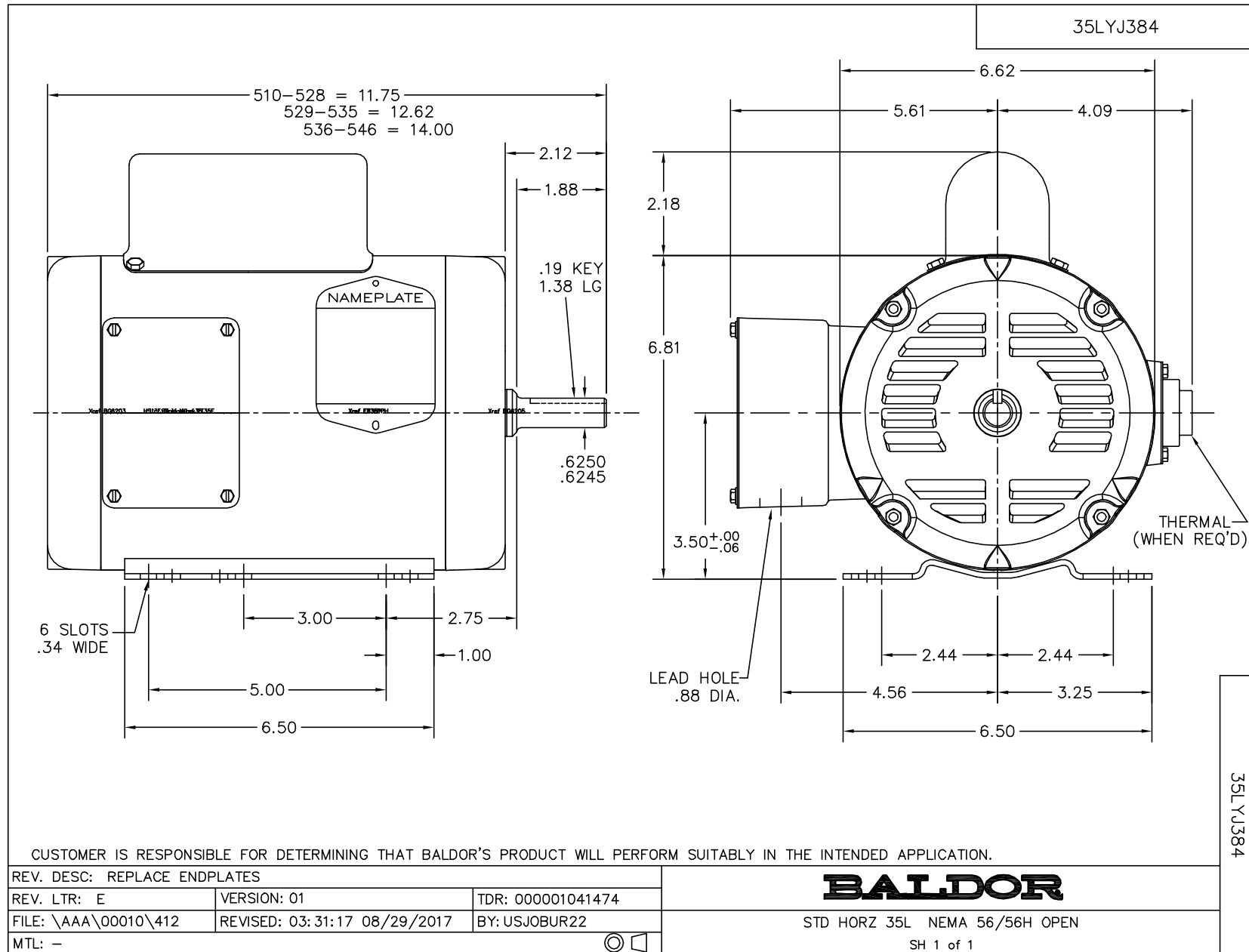
WINDING # 35WG2444

Typical performance - not guaranteed values.

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

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





CD0269

