

ABB BALDOR RELIANCE III

Customer information packet

L1310M

1HP, 1725RPM, 1PH, 60HZ, 56/56H, 3520L, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	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	1.000 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	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	13.400 A @ 115.0 V 6.700 A @ 230.0 V 7.400 A @ 208.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	66.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AM
Type	AC
Mech. spec.	35J384
Base	
Status	INA/A
Elec. spec.	35WGW076
Layout	35LYJ384
Eff. date	03-17-2017
CD Diagram	CD0269
Poles	04
Leads	4#16 A&J,2#18 B PH,1#14 #4TH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	6.7 a
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	3520L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.75 IN
Power Factor	72
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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.	L1310M										
SPEC.	35J384W76										
HP	1										
VOLTS	115/230										
AMP	13.4/6.7										
RPM	1725										
FRAME	56H				HZ		60		PH		1
SER.F.	1.15		CODE	K	DES		N	CL	F		
NEMA-NOM-EFF	66		PF	72							
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 # 61263

Typical performance - not guaranteed values

Winding: 35WGW076-R003			Type: 3520L		Enclosure: OPEN			
Nameplate Data			115 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		1	Full Load Torque		3.1 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		13.4/6.7	Breakdown Torque		6.1 LB-FT			
R.P.M.		1725	Pull-up Torque		6 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		9.5 LB-FT		
NEMA Design Code		N	KVA Code	K	Starting Current		32 A	
Service Factor (S.F.)		1.15	No-load Current		9.6 A			
NEMA Nom. Eff.		66	Power Factor		72	Line-line Res. @ 25°C		0.778 Ω A Ph 1.82 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		56°C	
S.F. Amps					Temp. Rise @ S.F. Load		65°C	
					Locked-rotor Power Factor		96.8	
					Rotor inertia		0.119 LB-FT2	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	55	66	75	81	83	79
Efficiency	43.4	58.2	64.2	66	65.9	63.7	65.9
Speed	1782	1766	1749	1729	1706	1676	1715
Line amperes	9.8	10.6	11.8	13.4	15.4	18.2	14.6

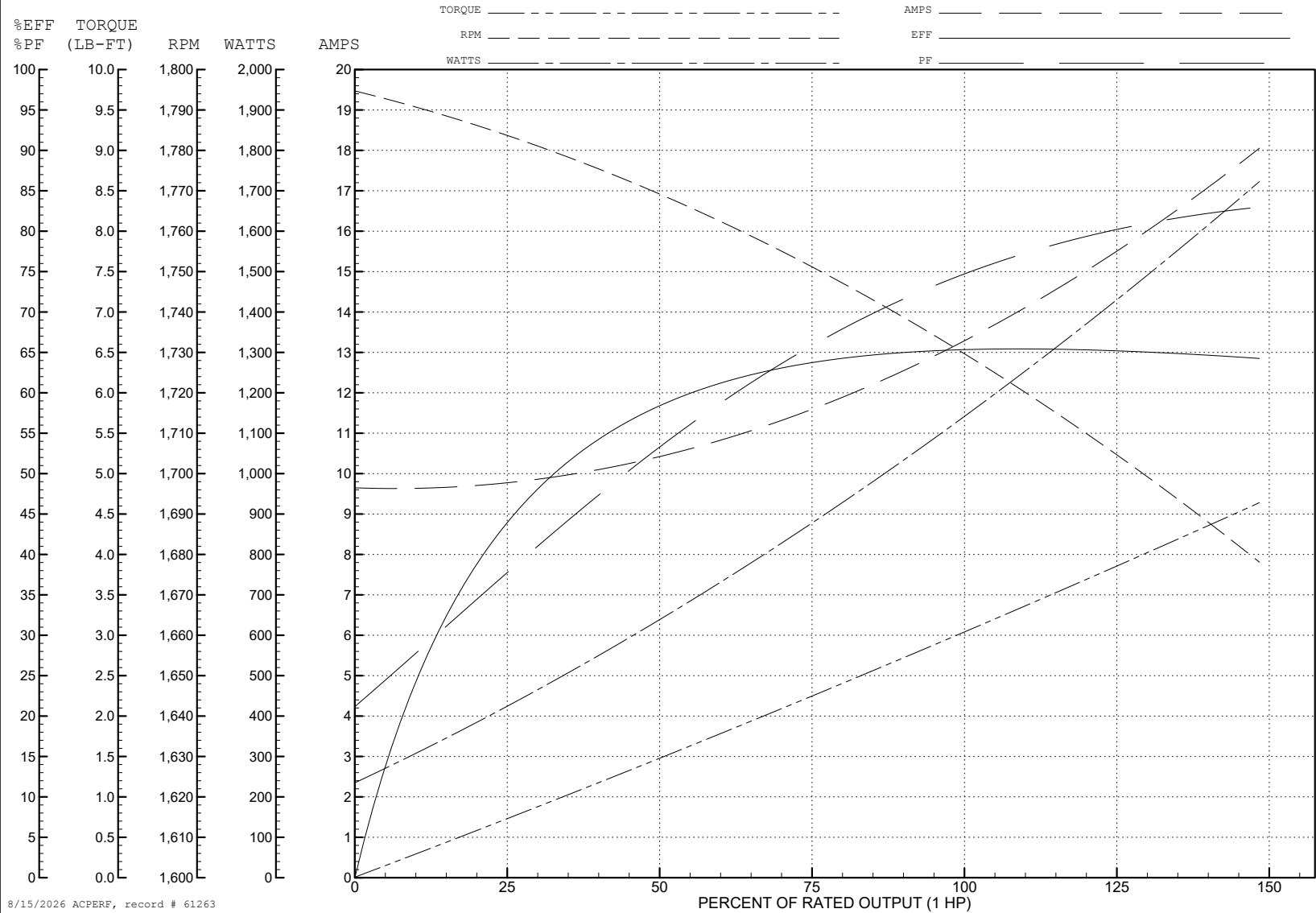
ABB Motors and Mechanical Inc.

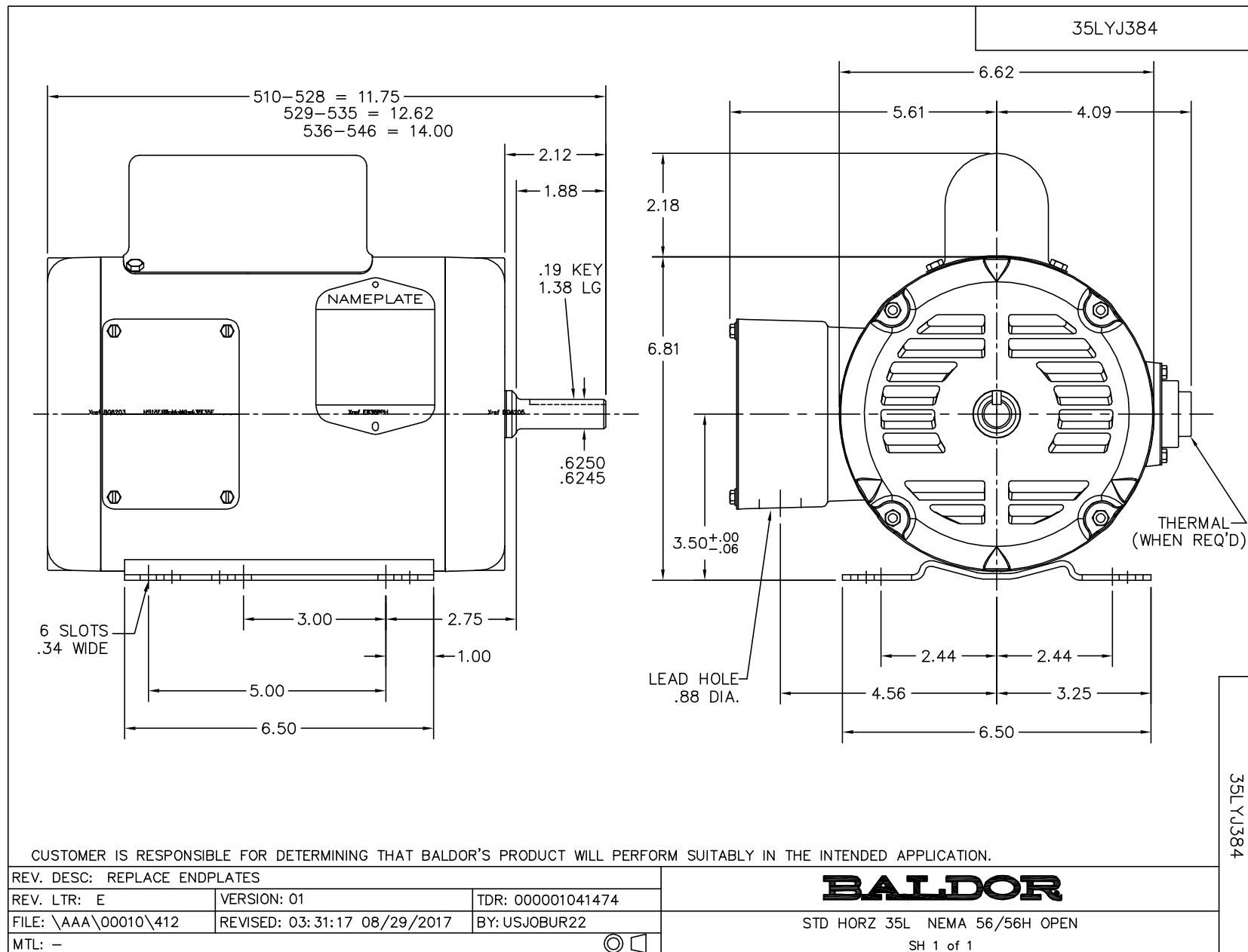
WINDING # 35WG076

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1725 RPM 115 V 3520L

TORQUES (LB-FT) : PO=6.1 PU=6 LR=9.5 LRA=32





CD0269

