ABB BALDOR RELIANCE

Customer information packet

L1310M

1HP, 1725RPM, 1PH, 60HZ, 56/56H, 3520L, OPEN
Class - None
Division - Not Applicable

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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	

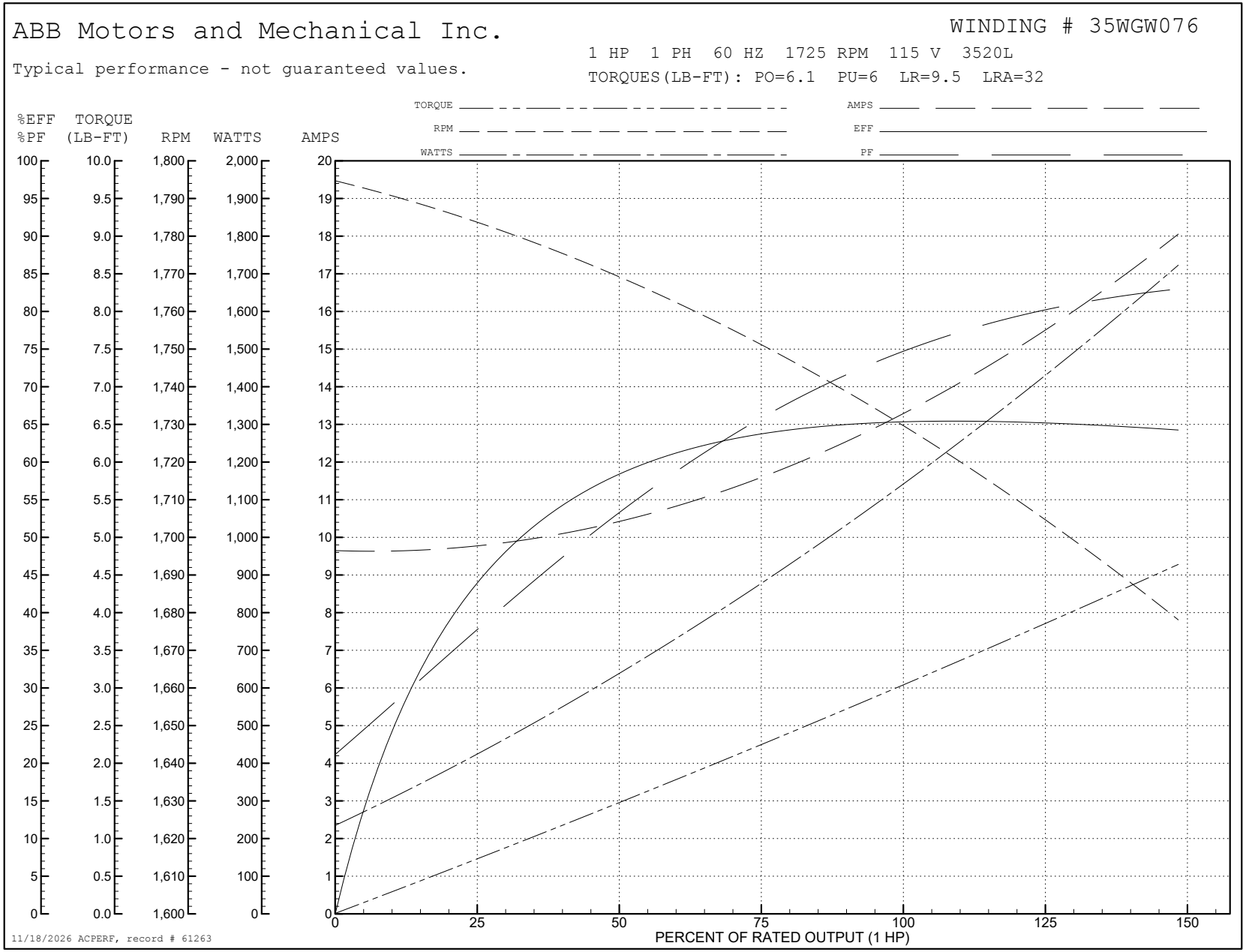
AC Induction Motor Performance Data
Record # 61263
Typical performance - not guaranteed values

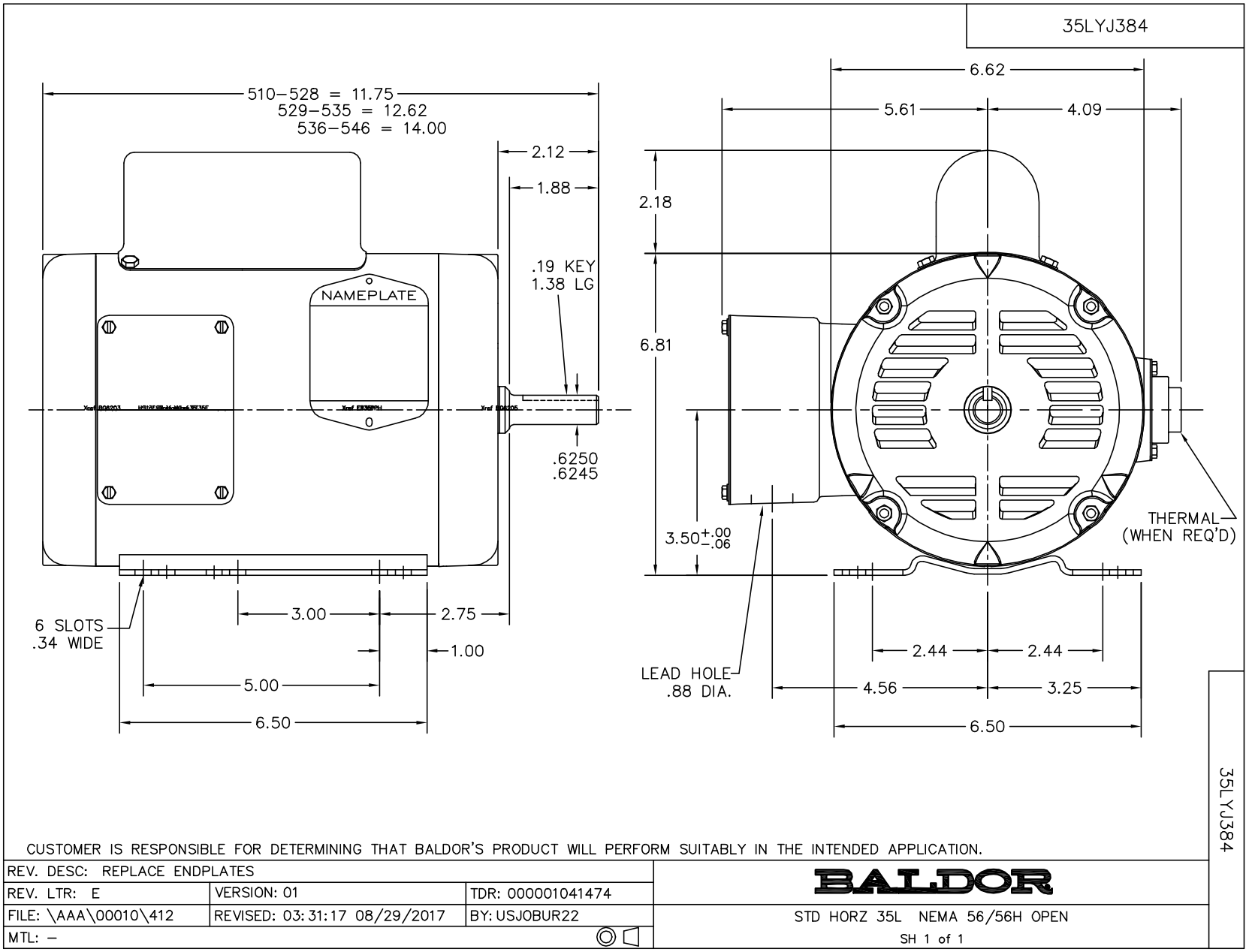
Winding: 35WGW076-R003	**Type:** 3520L	**Enclosure:** OPEN

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. @ 25ºC**	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

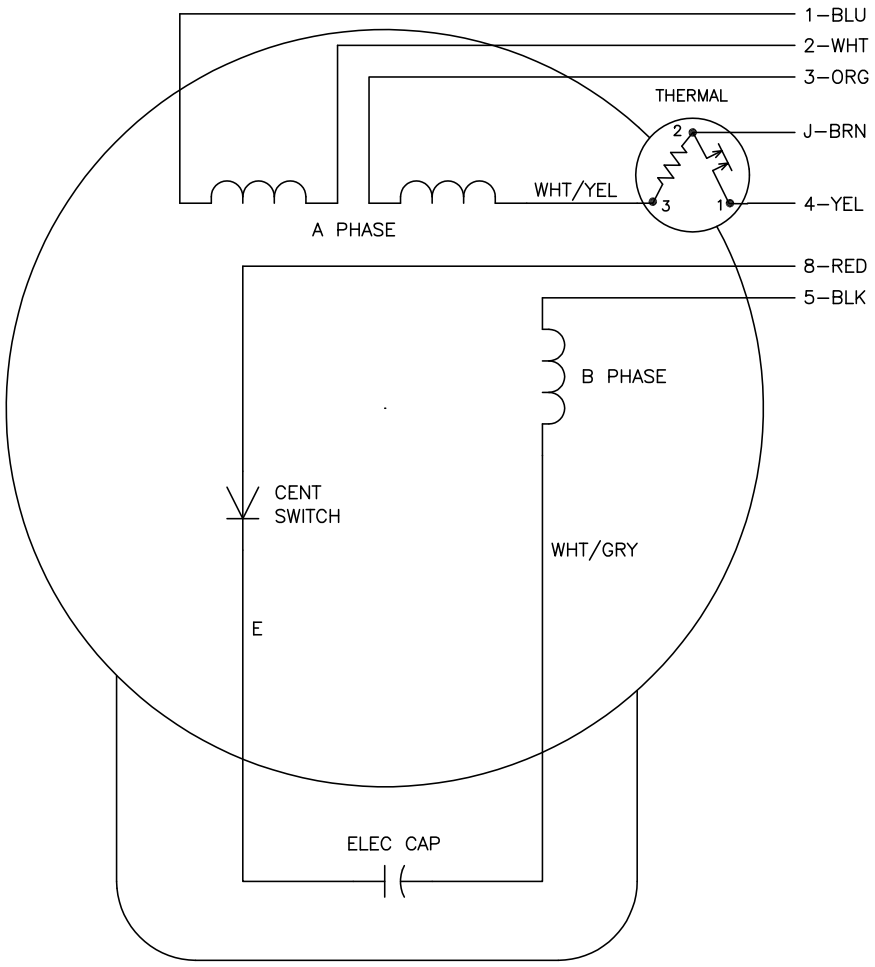
Load Characteristics 115 V, 60 Hz, 1 HP

% 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 # 35WGW076
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
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 # 61263


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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 04/08/99 1:07	TDR: 0178636
CD0269		FILE: AAA00007421	MDL: –
		MTL: –	TYPE L, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

CD0269