

ABB BALDOR RELIANCE III

Customer information packet

EL1310

1HP, 1755RPM, 1PH, 60HZ, 56, 3528LC, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
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	8.600 A @ 115.0 V 4.600 A @ 208.0 V 4.300 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	AJ
Type	AC
Mech. spec.	35L756
Base	
Status	NLA/A
Elec. spec.	35WGS680
Layout	35LYL756
Eff. date	01-21-2015
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
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	3528LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.94 IN
Power Factor	91
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	1755 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor



Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP2116L									
CAT.NO.	EL1310								
SPEC.	35L756S680G1								
HP	1								
VOLTS	115/208-230								
AMP	8.6/4.6-4.3								
RPM	1755								
FRAME	56			HZ		60		PH	1
SER.F.	1.15	CODE	L	DES	L	CL	F		
NEMA-NOM-EFF	84	PF	91						
RATING	40C AMB-CONT								
CC									
DE	6205	ODE	6203						
ENCL	OPSB	SN							
	SFA 9.5/4.9-4.75								

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

AC Induction Motor Performance Data

Record # 49339

Typical performance - not guaranteed values

Winding: 35WGS680-R006			Type: 3528LC		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1	Full Load Torque		2.99 LB-FT	
Volts		115/208-230	Start Configuration		direct on line	
Full Load Amps		8.6/4.6-4.3	Breakdown Torque		7.78 LB-FT	
R.P.M.		1755	Pull-up Torque		4.58 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		9.93 LB-FT	
NEMA Design Code		L	KVA Code		L	
Starting Current		40.13 A	No-load Current		2.16 A	
Service Factor (S.F.)		1.15	Line-line Res. @ 25°C		2.32 Ω A Ph 2.15 Ω B Ph	
NEMA Nom. Eff.		84	Power Factor		91	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		32°C	
S.F. Amps		9.5/4.9-4.75	Temp. Rise @ S.F. Load		38°C	
			Rotor inertia		0.166 LB-FT2	

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	70	80	86	89	91	88
Efficiency	63.9	80	82.6	81.8	80.1	78.4	80.8
Speed	1790	1780	1768	1755	1740	1724	1746
Line amperes	2.38	2.9	3.66	4.63	5.67	6.81	5.25

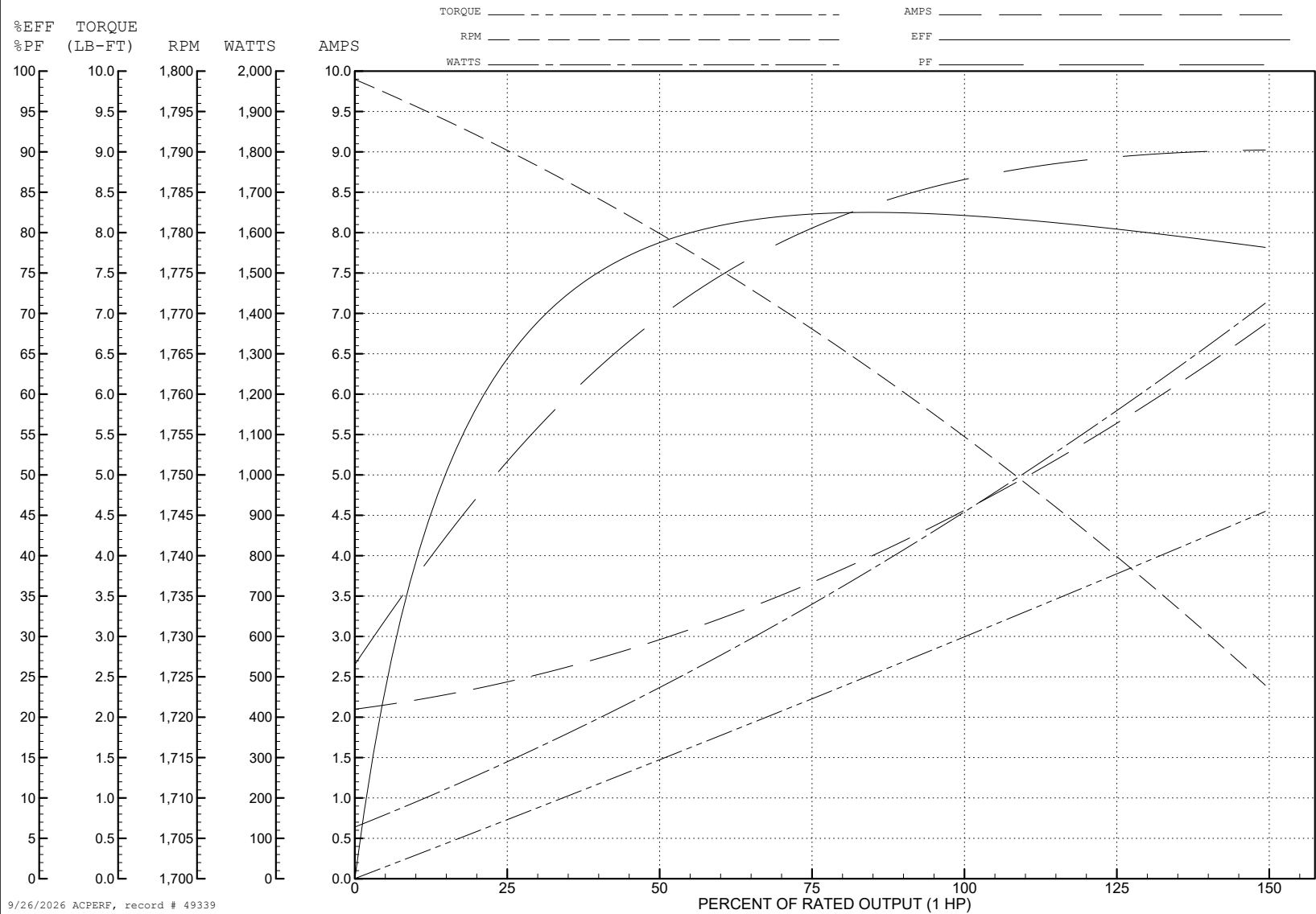
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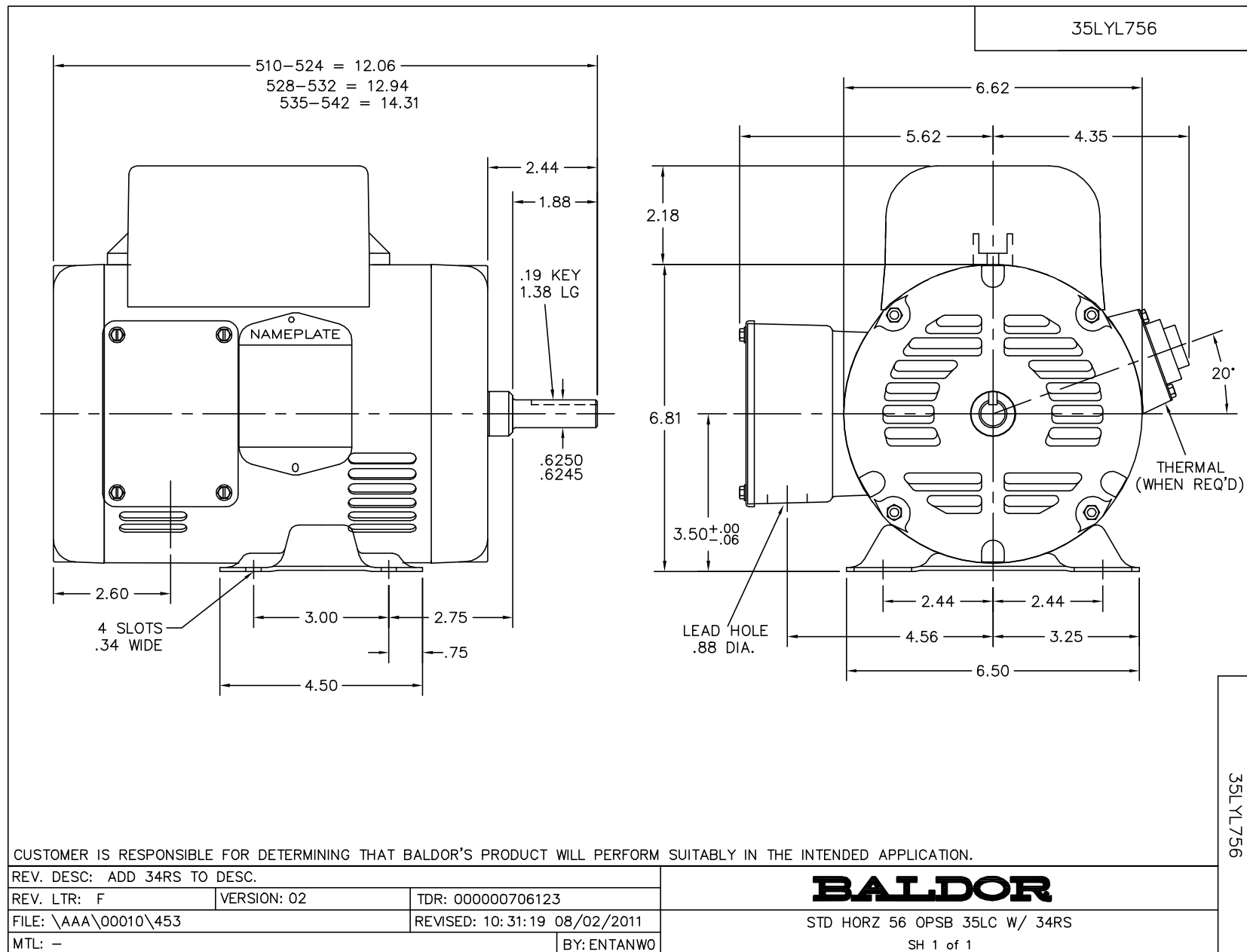
WINDING # 35WGS680

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1755 RPM 230 V 3528LC

TORQUES (LB-FT) : PO=7.78 PU=4.58 LR=9.93 LRA=40.13





CD0055

