

ABB BALDOR RELIANCE III

Customer information packet

L1401

1HP, 1725RPM, 1PH, 60HZ, 182, 3617L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	182
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	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	7.700 A @ 208.0 V 7.000 A @ 230.0 V 14.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
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	AC
Type	AC
Mech. spec.	36D011
Base	
Status	NLA/A
Elec. spec.	36WG0116
Layout	36LYD011
Eff. date	04-08-2016
CD Diagram	CD00001
Poles	04
Leads	6#16
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	7.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3617L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.75 IN
Power Factor	66
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	0.875 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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L											
CAT.NO.											
SPEC.	36D11-116										
HP	1										
VOLTS	115/230										
AMP	14/7										
RPM	1725										
FRAME	182			HZ	60				PH	1	
SER.F.	1.15		CODE	J	DES	L		CLASS		B	
NEMA-NOM-EFF	70		PF	66							
RATING	40C AMB-CONT										
CC											
DE	6206			ODE	6205						
ENCL	OPEN		SN								

Accessories

Part number	Description	Multiplier
36-486	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10434

Typical performance - not guaranteed values

Winding: 36WG0116-R001			Type: 3617L		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1	Full Load Torque		3 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		14/7	Breakdown Torque		8.2 LB-FT	
R.P.M.		1725	Pull-up Torque		7.8 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		9 LB-FT	
NEMA Design Code		L KVA Code	Starting Current		33 A	
Service Factor (S.F.)		1.15	No-load Current		5 A	
NEMA Nom. Eff.		70 Power Factor	Line-line Res. @ 25°C		1.99 Ω A Ph 1.76 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		36°C	
S.F. Amps			Temp. Rise @ S.F. Load		47°C	

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	48	57	66	72	77	70
Efficiency	49	62.3	67.6	70.1	70	67.9	70
Speed	1784	1770	1760	1744	1728	1706	1734
Line amperes	5.3	5.7	6.2	7	7.9	9.2	7.5

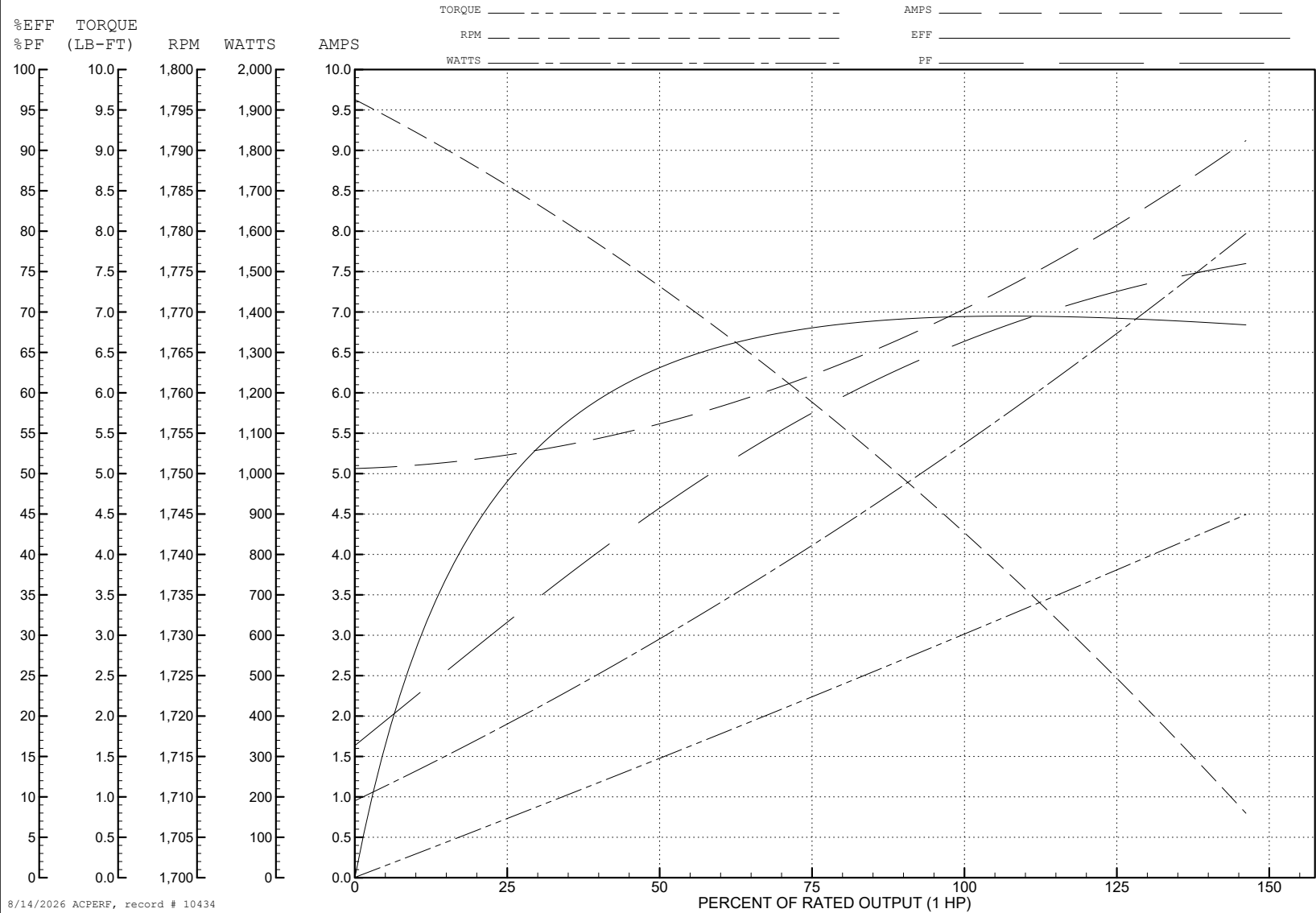
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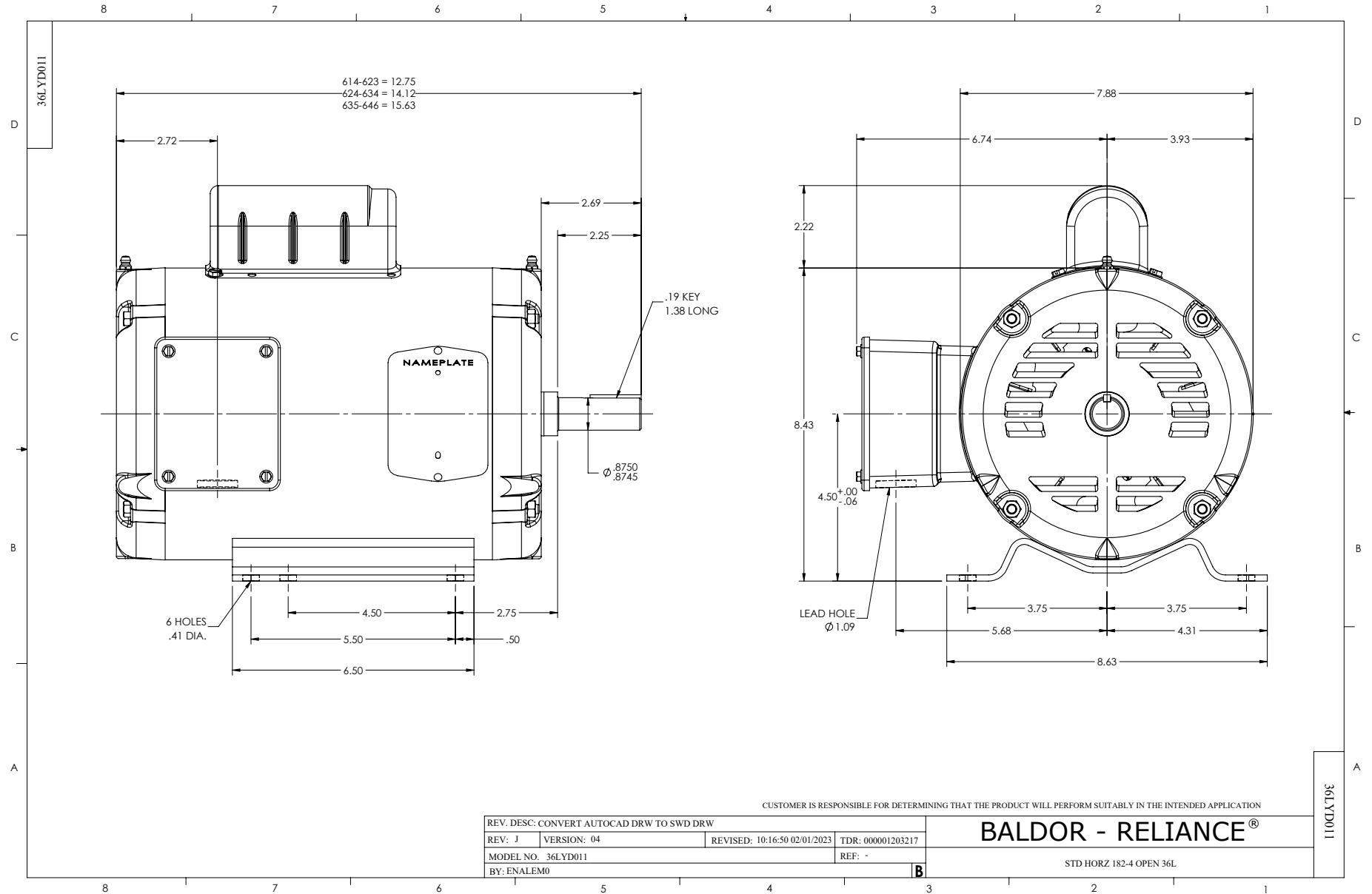
WINDING # 36WG0116

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1725 RPM 230 V 3617L

TORQUES (LB-FT): PO=8.2 PU=7.8 LR=9 LRA=33





CD0001

