

ABB BALDOR RELIANCE III

Customer information packet L1403

1.5HP, 1725RPM, 1PH, 60HZ, 184, 3623L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	184
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	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	9.500 A @ 230.0 V 19.000 A @ 115.0 V 10.000 A @ 208.0 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

Part Detail

Revision	AE
Type	AC
Mech. spec.	36D011
Base	
Status	INA/A
Elec. spec.	36WG0078
Layout	36LYD011
Eff. date	03-24-2017
CD Diagram	CD0001
Poles	04
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	9.5 a
Insulation Class	B
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 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3623L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.75 IN
Power Factor	67
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.	36D11-78								
HP	1.5								
VOLTS	115/230								
AMP	19/9.5								
RPM	1725								
FRAME	184		HZ	60			PH	1	
SER.F.	1.15		CODE	K	DES	L	CLASS	B	
NEMA-NOM-EFF	68		PF	67					
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 # 20841

Typical performance - not guaranteed values

Winding: 36WG0078-R001			Type: 3623L		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: High 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		19/9.5	Breakdown Torque		12 LB-FT	
R.P.M.		1725	Pull-up Torque		10.5 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		11.5 LB-FT	
NEMA Design Code		L KVA Code	Starting Current		54 A	
Service Factor (S.F.)		1.15	No-load Current		7.4 A	
NEMA Nom. Eff.	68 Power Factor	67	Line-line Res. @ 25°C		0.341 Ω A Ph 0.925 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		72°C	
S.F. Amps			Temp. Rise @ S.F. Load		88°C	

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	48	59	68	74	79	72
Efficiency	47.8	63	69.3	71.9	72.6	71.8	72.3
Speed	1785	1773	1759	1744	1727	1708	1734
Line amperes	7.6	8.1	8.9	9.95	11.2	12.9	10.7

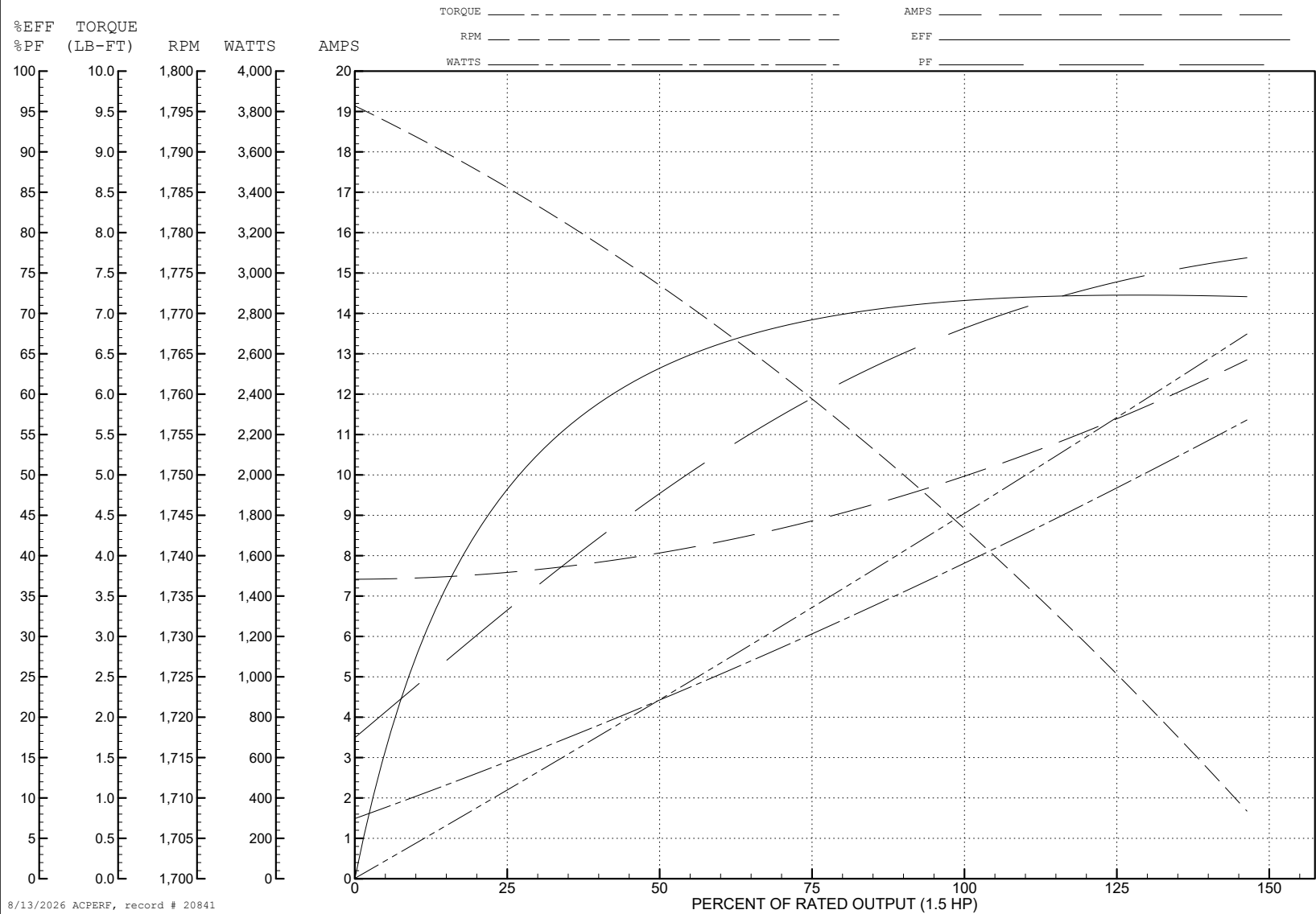
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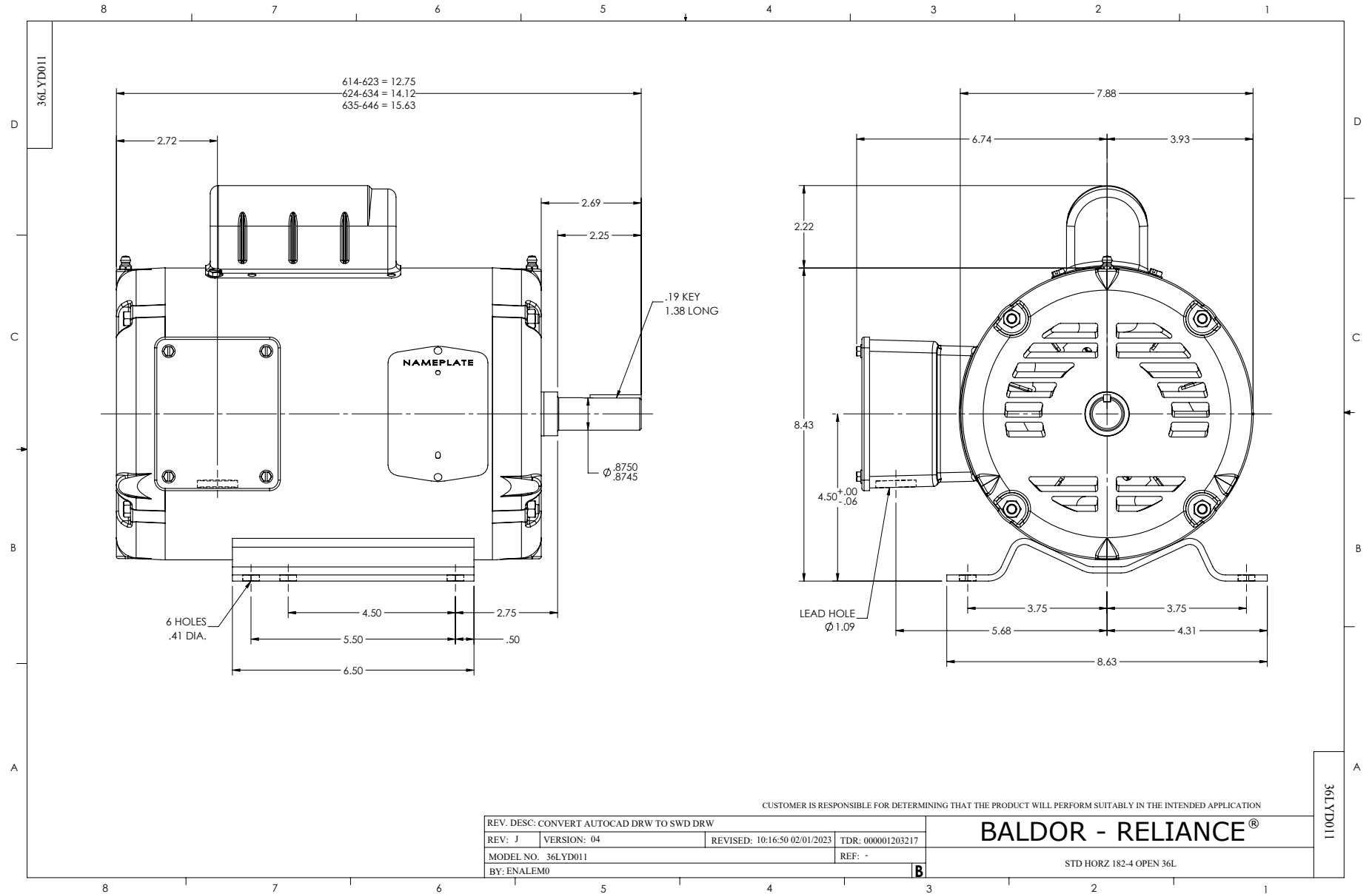
WINDING # 36WG0078

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1725 RPM 230 V 3623L

TORQUES (LB-FT): PO=12 PU=10.5 LR=11.5 LRA=54





CD0001

