

ABB BALDOR RELIANCE III

Customer information packet

RL1323A

.5HP, 1725RPM, 1PH, 60HZ, 56, 3416L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
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, Induction Run
Output @ Frequency	.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	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.000 A @ 230.0 V 8.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	62.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.0 a

Part Detail

Revision	AD
Type	AC
Mech. spec.	34K018
Base	
Status	PRD/A
Elec. spec.	34WGW140
Layout	34LYK018
Eff. date	10-28-2024
CD Diagram	CD0052
Poles	04
Leads	6#18,1#16 #1TH
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3416L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.97 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
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	Automatic Thermal Overload
Winding Thermal 1 Location	SB

Nameplate

NP1257L												
CAT.NO.	RL1323A											
SPEC.	34K18W140											
HP	.5											
VOLTS	115/230											
AMP	8/4											
RPM	1725											
FRAME	56			HZ		60		PH		1		
SER.F.	1.00		CODE	J		DES	N		CL	B		
NEMA-NOM-EFF	62		PF	71								
RATING	40C AMB-CONT											
CC												
DE	6203		ODE	6203								
ENCL	OPEN		SN									

AC Induction Motor Performance Data

Record # 6896

Typical performance - not guaranteed values

Winding: 34WGW140-R001				Type: 3416L		Enclosure: OPEN	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		.5		Full Load Torque		1.5 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		8/4		Breakdown Torque		3 LB-FT	
R.P.M.		1725		Pull-up Torque		2.2 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		5 LB-FT	
NEMA Design Code		N	KVA Code	Starting Current		33 A	
Service Factor (S.F.)		1		No-load Current		5.7 A	
NEMA Nom. Eff.		62	Power Factor	Line-line Res. @ 25°C		1.42 Ω A Ph 3.46 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		64°C	

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	38	51	61	70	76	81
Efficiency	36.2	51.4	58.6	61.7	62.2	60.6
Speed	1776	1759	1740	1717	1690	1654
Line amperes	5.9	6.2	6.8	7.5	8.6	9.9

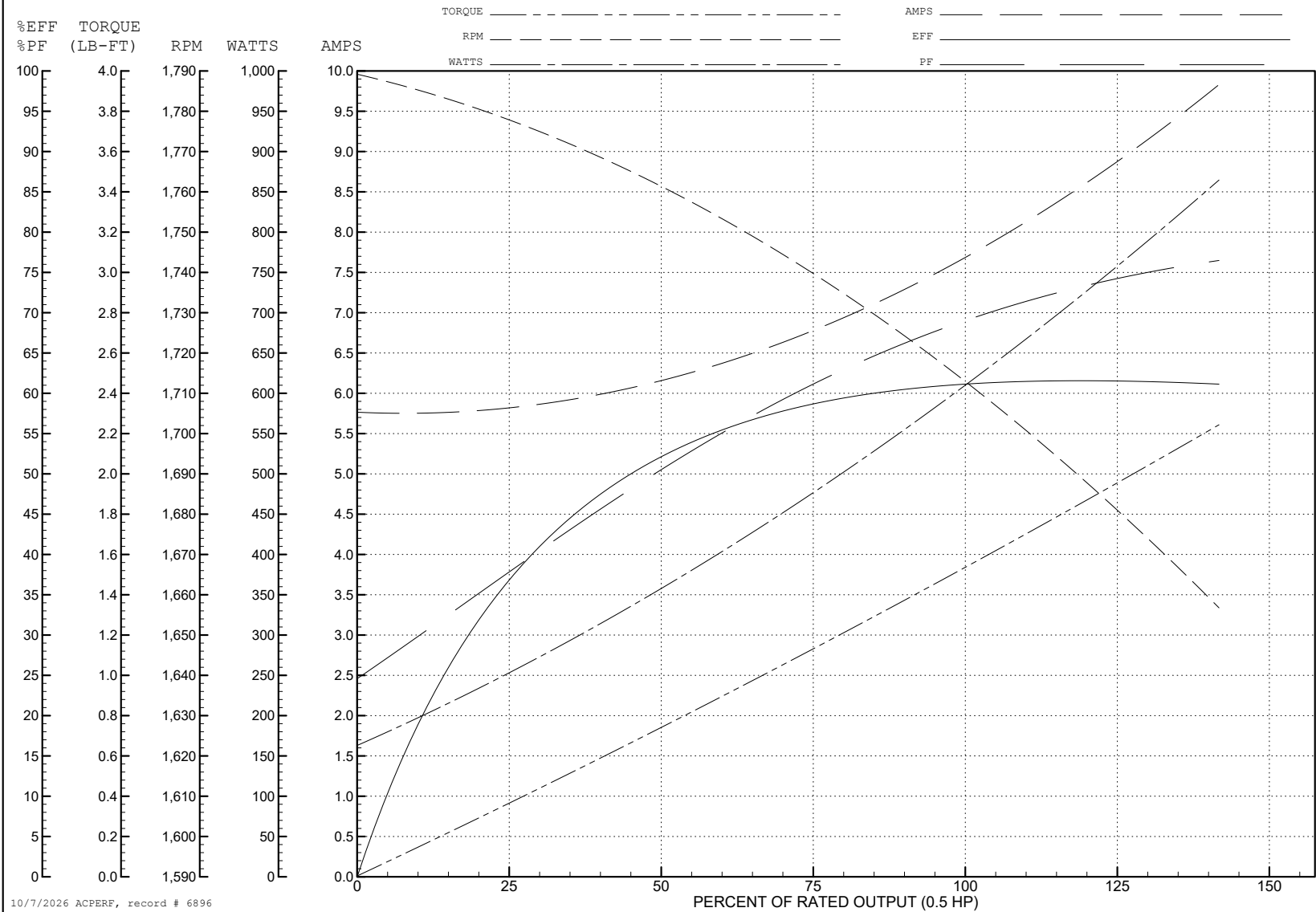
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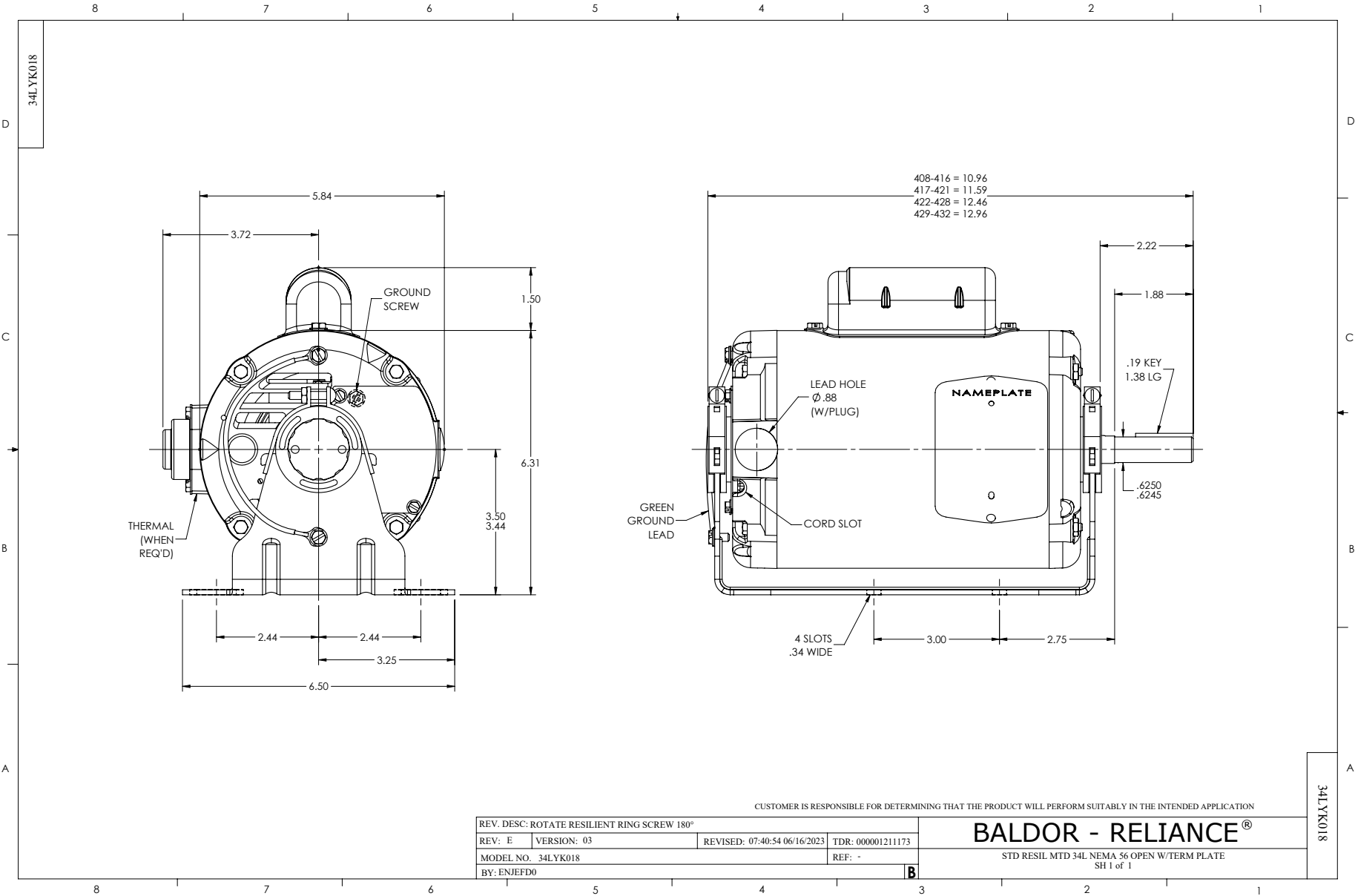
WINDING # 34WGW140

Typical performance - not guaranteed values.

0.5 HP 1 PH 60 HZ 1725 RPM 115 V 3416L

TORQUES (LB-FT) : PO=3 PU=2.2 LR=5 LRA=33





CD0052

