

ABB BALDOR RELIANCE III

Customer information packet

L1410T

5HP, 1725RPM, 1PH, 60HZ, 184T, 3640LC, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184T
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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	23.000 A @ 208.0 V 21.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	21.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G

Part Detail

Revision	D
Type	AC
Mech. spec.	36M925
Base	
Status	PRD/A
Elec. spec.	36WGQ041
Layout	36LYM925
Eff. date	11-26-2025
CD Diagram	CD0017A02
Poles	04
Leads	2#10 A PH,2#16 B PH
Proprietary	False
Created date	12-14-2020

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.49 IN
Power Factor	95
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	1.125 IN
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.	L1410T								
SPEC.	36M925Q041G1								
HP	5								
VOLTS	230								
AMP	21								
RPM	1725								
FRAME	184T		HZ	60			PH	1	
SER.F.	1.15		CODE	G	DES	L	CLASS	F	
NEMA-NOM-EFF	82.5		PF	95					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	OPEN		SN						

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data

Record # 85832

Typical performance - not guaranteed values

Winding: 36WGQ041-R001			Type: 3640LC		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		5	Full Load Torque		15.12 LB-FT	
Volts		230	Start Configuration		direct on line	
Full Load Amps		21	Breakdown Torque		28.64 LB-FT	
R.P.M.		1725	Pull-up Torque		29.2 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque	41.44 LB-FT	
NEMA Design Code	L	KVA Code	G	Starting Current	132 A	
Service Factor (S.F.)		1.15	No-load Current		5.01 A	
NEMA Nom. Eff.	82.5	Power Factor	95	Line-line Res. @ 25°C	0.521 Ω A Ph 1.93 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		78°C	
S.F. Amps			Temp. Rise @ S.F. Load		96°C	
			Locked-rotor Power Factor		90.1	
			Rotor inertia		0.375 lb-ft²	

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	75	89	94	95	94	93	94
Efficiency	74.3	83.7	84.4	82.5	78.3	72.1	80
Speed	1783	1766	1747	1725	1694	1652	1706
Line amperes	7.15	10.83	15.29	20.62	27.32	35.9	24.6

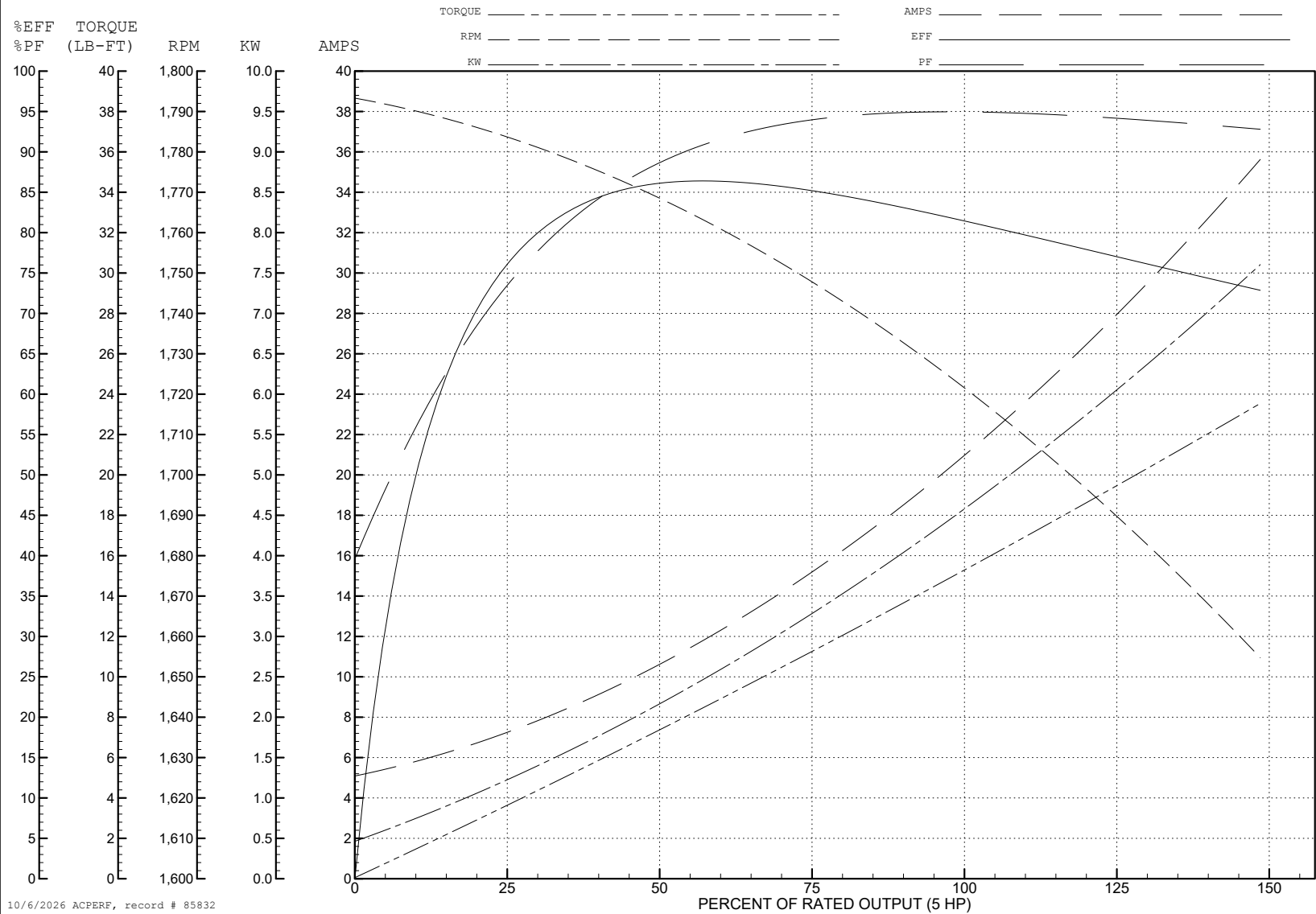
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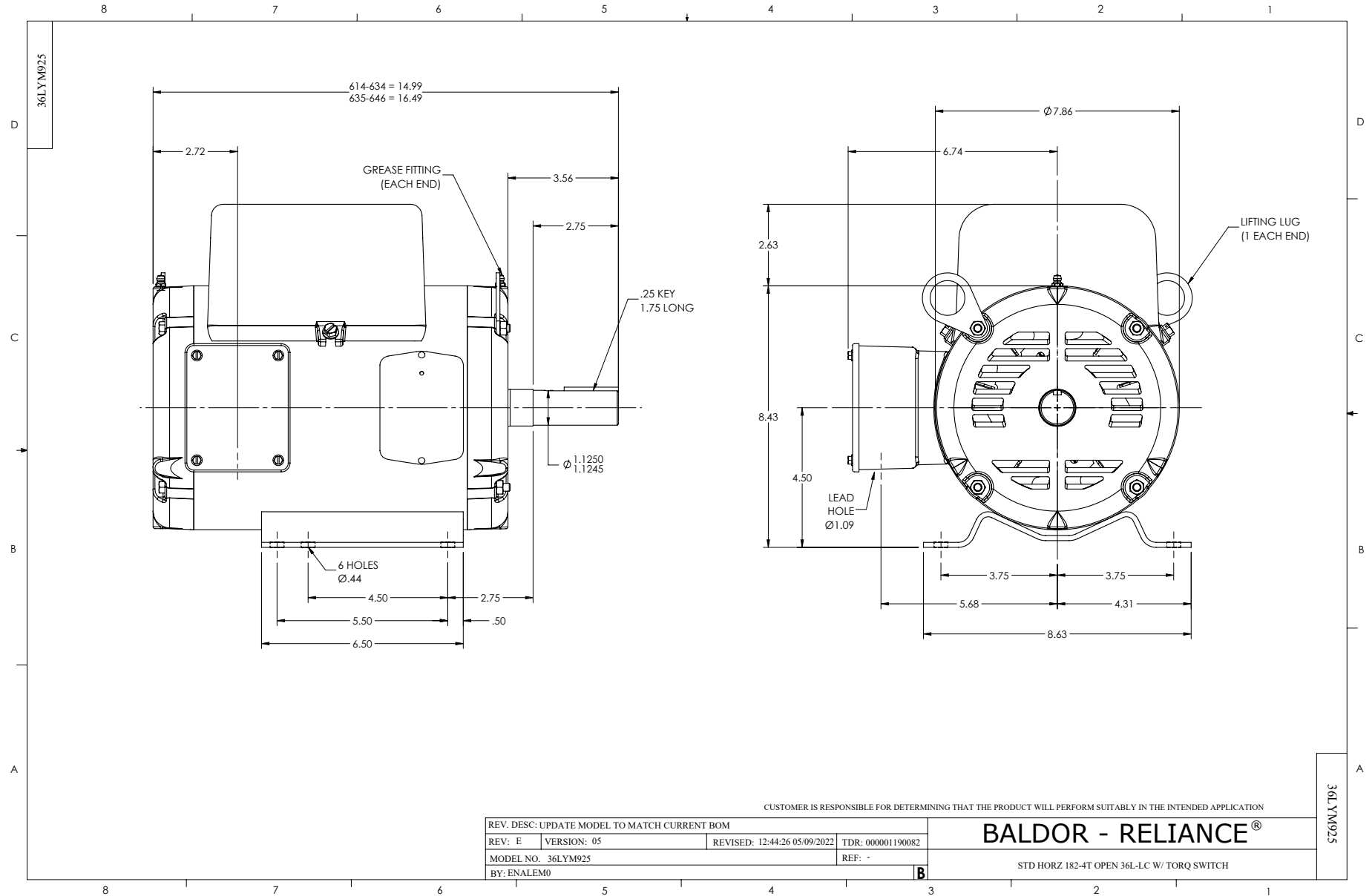
WINDING # 36WGQ041

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1725 RPM 230 V 3640LC

TORQUES (LB-FT): PO=28.64 PU=29.2 LR=41.44 LRA=132





CD0017A02

