

ABB BALDOR RELIANCE III

Customer information packet

L3605TM

2HP, 1725RPM, 1PH, 60HZ, 182T, 3634L, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
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	2.000 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	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	11.000 A @ 230.0 V 22.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	11.0 a
Insulation Class	F

Part Detail

Revision	AG
Type	AC
Mech. spec.	36C001
Base	
Status	PRD/A
Elec. spec.	36WG0386
Layout	36LYC001
Eff. date	07-23-2026
CD Diagram	CD0008
Poles	04
Leads	4#14 A&J,2#16 B PH,1#12 #4TH
Proprietary	False
Created date	01-01-0001

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&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.56 IN
Power Factor	81
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.125 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	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	L3605TM										
SPEC.	36C01-386										
HP	2										
VOLTS	115/230										
AMP	22/11										
RPM	1725										
FRAME	182T			HZ		60		PH		1	
SER.F.	1.00	CODE	K	DES	L	CL	F				
NEMA-NOM-EFF	75	PF	81								
RATING	40C AMB-CONT										
CC											
DE	6206	ODE	6205								
ENCL	TEFC	SN									

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 61410

Typical performance - not guaranteed values

Winding: 36WG0386-R002				Type: 3634L		Enclosure: TEFC		
Nameplate Data				115 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2		Full Load Torque		6 LB-FT		
Volts		115/230		Start Configuration		direct on line		
Full Load Amps		22/11		Breakdown Torque		14.5 LB-FT		
R.P.M.		1725		Pull-up Torque		13 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		16.6 LB-FT		
NEMA Design Code		L	KVA Code	K	Starting Current		122 A	
Service Factor (S.F.)		1		No-load Current		13 A		
NEMA Nom. Eff.		75	Power Factor	81	Line-line Res. @ 25°C		0.237 Ω A Ph 0.673 Ω B Ph	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		78°C
						Locked-rotor Power Factor		88.6
						Rotor inertia		0.319 LB-FT2

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	37	56	68	78	79	85
Efficiency	63.1	72.3	74.3	75	72	68.3
Speed	1783	1769	1753	1733	1711	1689
Line amperes	14	16.1	19.4	22	27.8	32.4

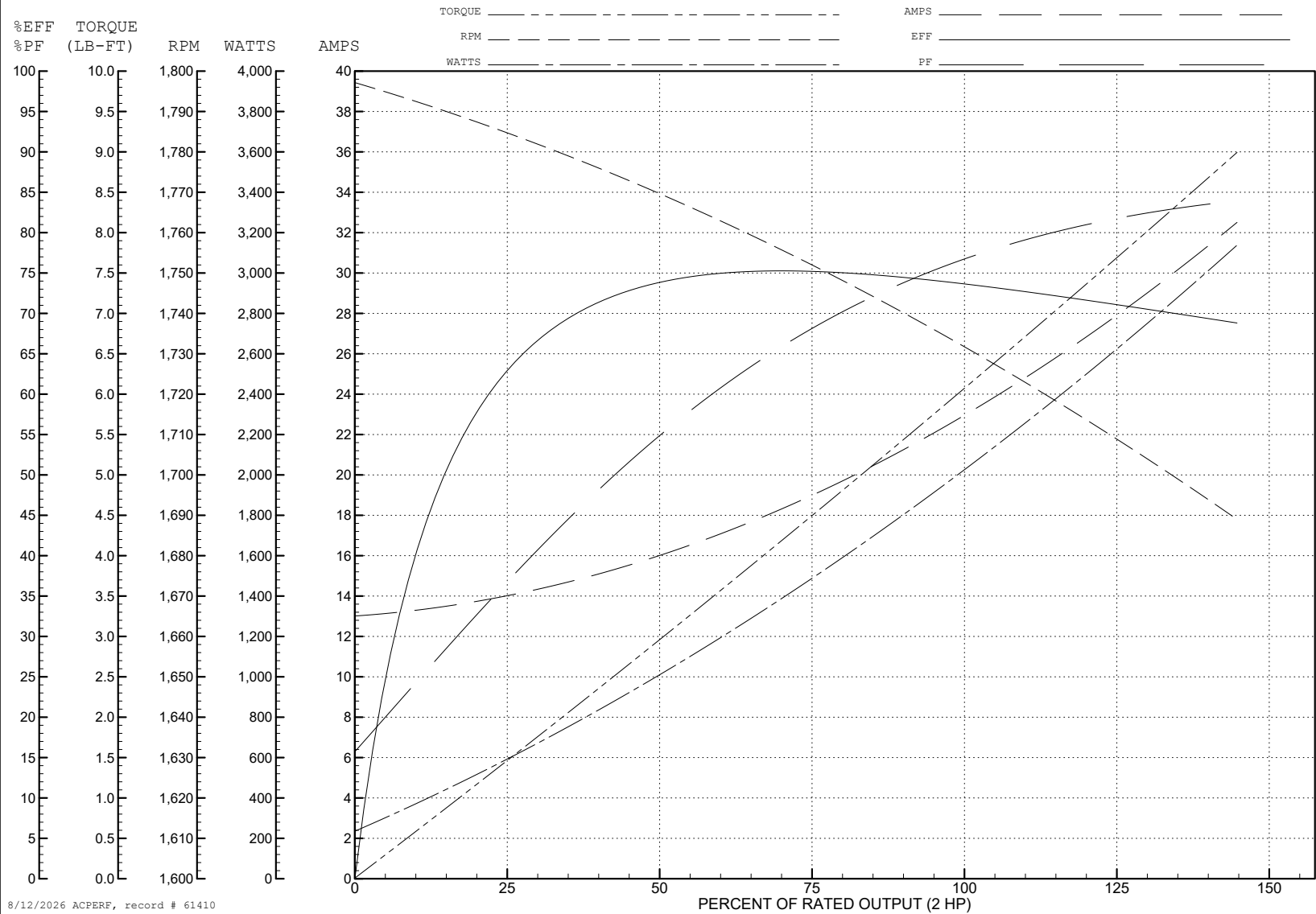
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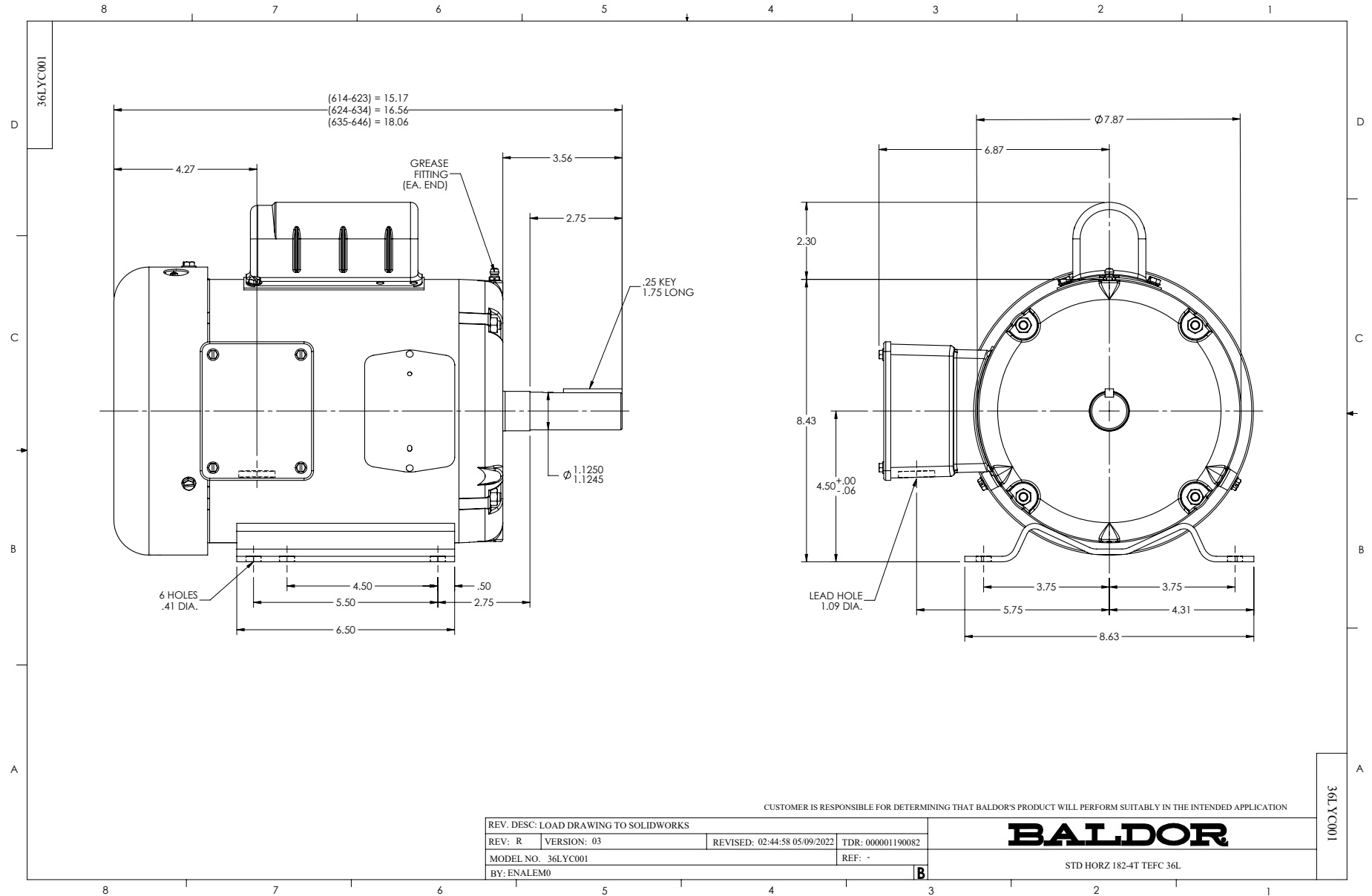
WINDING # 36WG0386

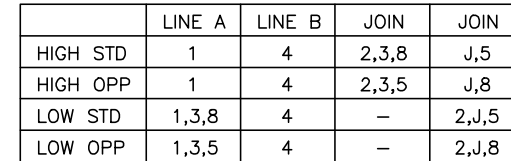
Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1725 RPM 115 V 3634L

TORQUES (LB-FT): PO=14.5 PU=13 LR=16.6 LRA=122







1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

BALDOR ELECTRIC Co.

CD0008