

ABB BALDOR RELIANCE III

Customer information packet

L1405T

2HP, 1725RPM, 1PH, 60HZ, 182T, 3628L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
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	12.000 A @ 230.0 V 12.600 A @ 208.0 V 24.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	71.0 %
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	12.0 a

Part Detail

Revision	AJ
Type	AC
Mech. spec.	36D001
Base	
Status	PRD/A
Elec. spec.	36WG0117
Layout	36LYD001
Eff. date	05-09-2024
CD Diagram	CD0001
Poles	04
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	J
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	3628L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.00 IN
Power Factor	68
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 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.	L1405T										
SPEC.	36D01-117										
HP	2										
VOLTS	115/230										
AMP	24/12										
RPM	1725										
FRAME	182T			HZ	60				PH	1	
SER.F.	1.15		CODE	J	DES	L		CLASS		F	
NEMA-NOM-EFF	71		PF	68							
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 # 61432

Typical performance - not guaranteed values

Winding: 36WG0117-R003			Type: 3628L		Enclosure: OPEN	
Nameplate Data			230 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		24/12	Breakdown Torque		16 LB-FT	
R.P.M.		1725	Pull-up Torque		10.5 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		18.3 LB-FT	
NEMA Design Code		L	KVA Code		J	
Starting Current		55 A	No-load Current		8.5 A	
Service Factor (S.F.)		1.15	Line-line Res. @ 25°C		0.223 Ω A Ph 0.977 Ω B Ph	
NEMA Nom. Eff.		71	Power Factor		68	
Temp. Rise @ Rated Load		64°C		Temp. Rise @ S.F. Load		
Rating - Duty		40C AMB-CONT		82°C		
S.F. Amps						

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	49	61	70	76	80	74
Efficiency	54.4	68.6	74	76.1	76.3	75.4	76.2
Speed	1786	1774	1761	1746	1730	1711	1736
Line amperes	8.85	9.6	10.7	12.2	14	16.2	13.3

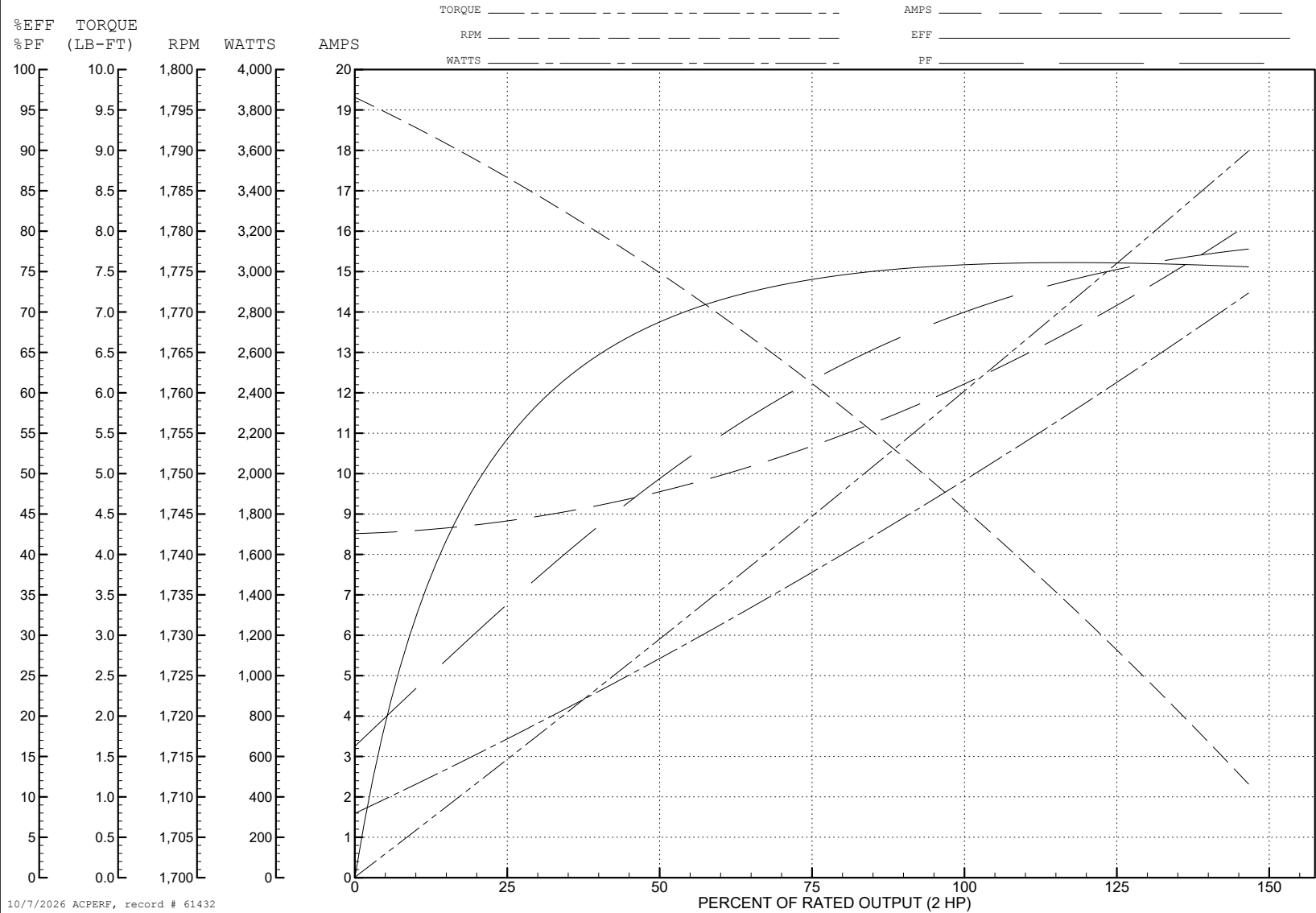
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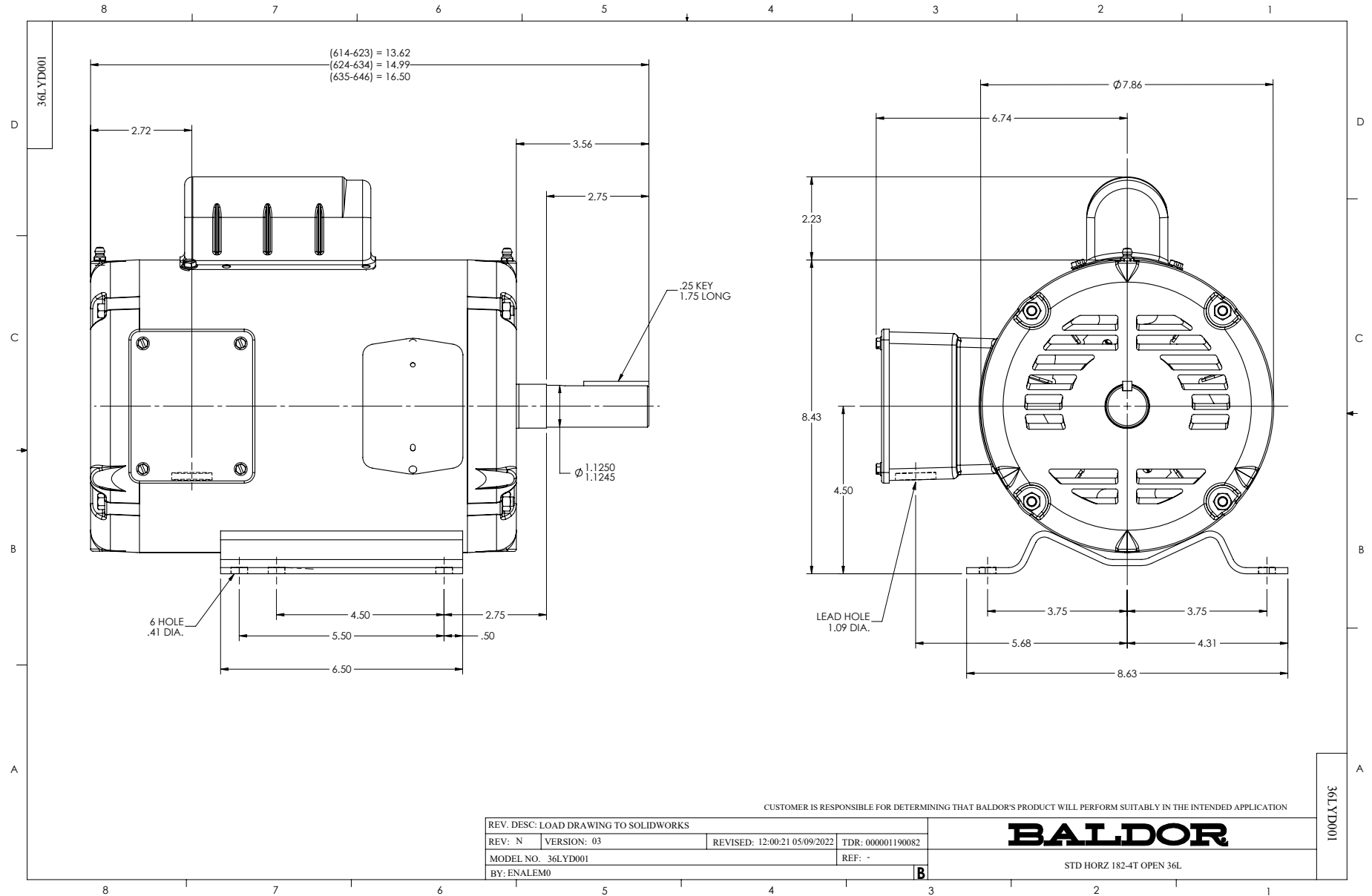
WINDING # 36WG0117

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1725 RPM 230 V 3628L

TORQUES (LB-FT): PO=16 PU=10.5 LR=18.3 LRA=55





CD0001

