

BALDOR • RELIANCE

Customer information packet

EL1406T

3HP, 3450RPM, 1PH, 60HZ, 182T, 3628LC, 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, Cap Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA CURUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	24.600 A @ 115.0 V 12.300 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.0 %
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	W
Type	AC
Mech. spec.	36E002
Base	
Status	PRD/A
Elec. spec.	36WGS117
Layout	36LYE002
Eff. date	05-05-2025
CD Diagram	CD0055
Poles	02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	11-13-2008

High Voltage Full Load Amps	12.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
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	3628LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.00 IN
Power Factor	98
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	3450 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

NP2116L									
CAT.NO.	EL1406T								
SPEC.	36E002S117E7								
HP	3								
VOLTS	115/230								
AMP	24.6/12.3								
RPM	3450								
FRAME	182T			HZ	60		PH	1	
SER.F.	1.15	CODE	G	DES	L	CL	F		
NEMA-NOM-EFF	81	PF	98						
RATING	40C AMB-CONT								
CC									
DE	6206	ODE	6205						
ENCL	OPEN	SN							

AC Induction Motor Performance Data

Record # 28249

Typical performance - not guaranteed values

Winding: 36WGS117-R001		Type: 3628LC	Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3	Full Load Torque	4.56 LB-FT	
Volts	115/230	Start Configuration	direct on line	
Full Load Amps	24.6/12.3	Breakdown Torque	22.1 LB-FT	
R.P.M.	3450	Pull-up Torque	6.56 LB-FT	
Hz	60 Phase	Locked-rotor Torque	8.88 LB-FT	
NEMA Design Code	L KVA Code	Starting Current	78 A	
Service Factor (S.F.)	1.15	No-load Current	1.46 A	
NEMA Nom. Eff.	81 Power Factor	Line-line Res. @ 25°C	0.74602 Ω A Ph 0.85786 Ω B Ph	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	32°C	
S.F. Amps		Temp. Rise @ S.F. Load	39°C	

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	98	98	98	98	97	96	97
Efficiency	67.4	77.6	81.1	81.1	79.6	75.5	80.2
Speed	3559	3533.3	3506	3471.6	3436.5	3370.6	3451
Line amperes	3.72	6.42	9.17	12.3	15.7	21	14.3

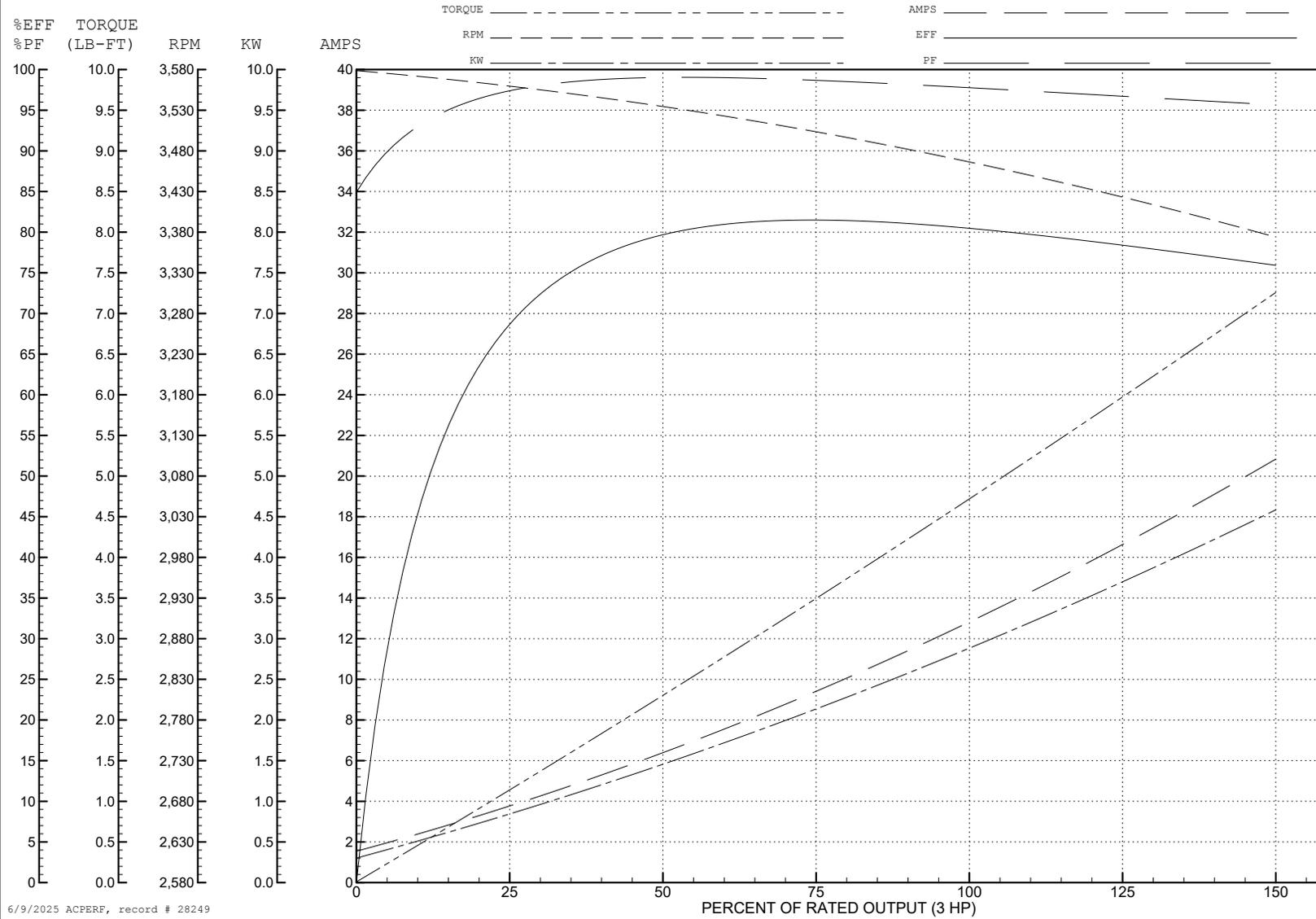
ABB Motors and Mechanical Inc.

WINDING # 36WGS117

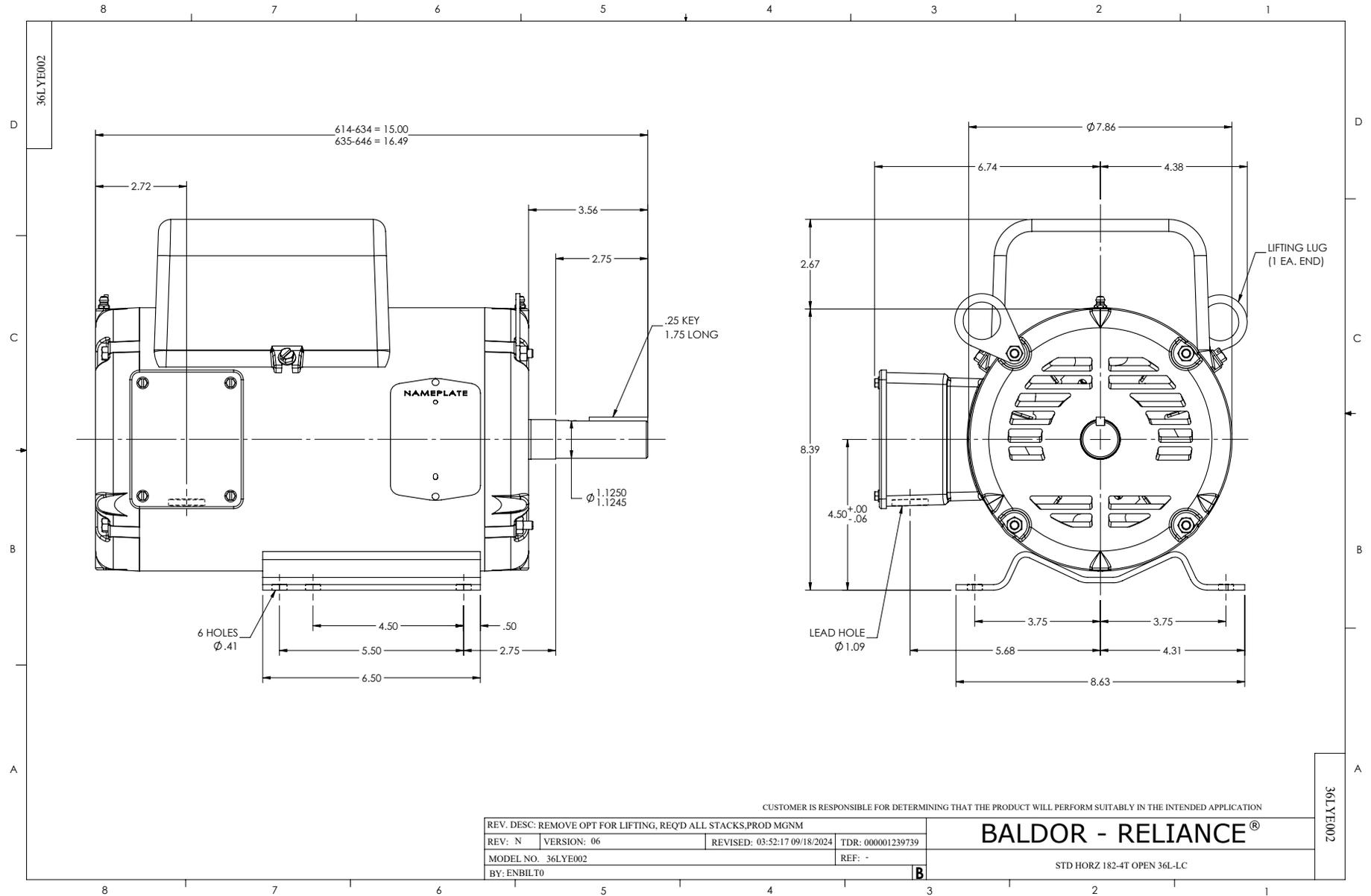
Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 230 V 3628LC

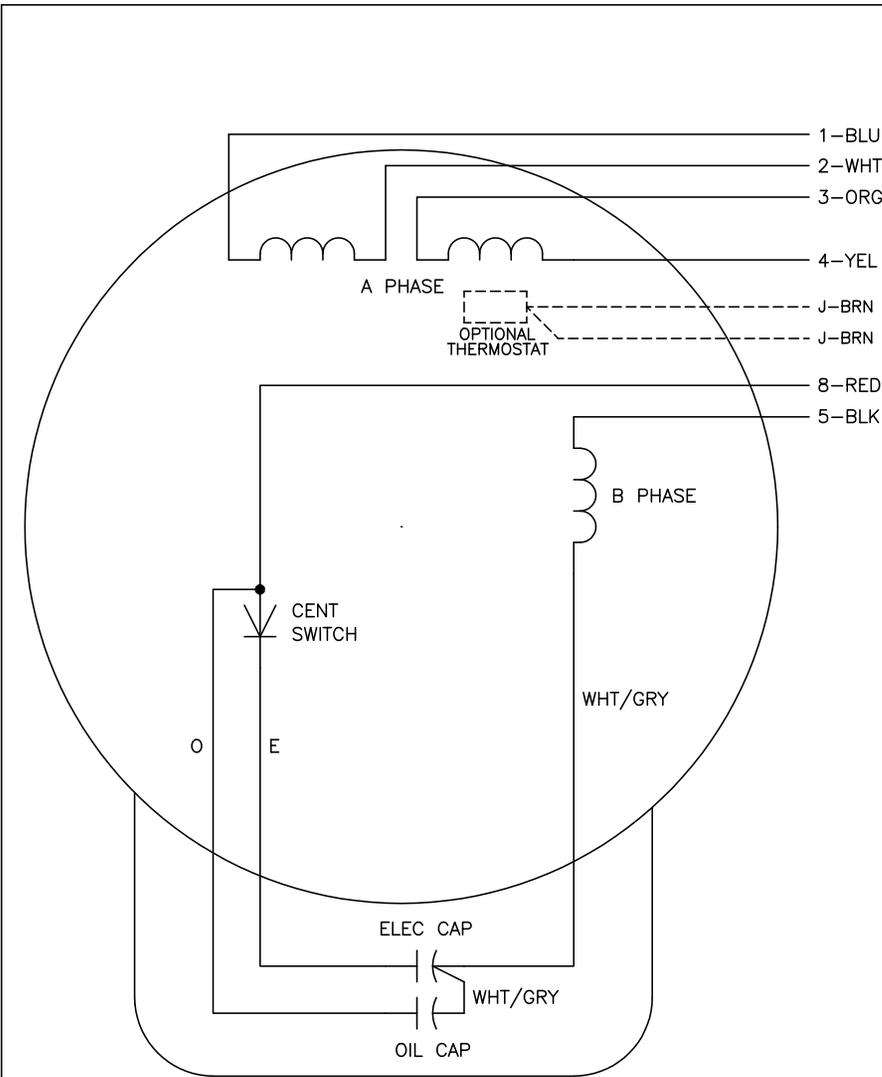
TORQUES (LB-FT): PO=22.1 PU=6.56 LR=8.88 LRA=78



6/9/2025 ACPERF, record # 28249



CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

NOTES:

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

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS