



Customer information packet

L1409T

5HP, 3450RPM, 1PH, 60HZ, 184T, 3634L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
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	24.000 A @ 208.0 V 23.000 A @ 230.0 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	23.0 a
Insulation Class	F

Part detail

Revision	AL
Type	AC
Mech. spec.	36E002
Base	
Status	PRD/A
Elec. spec.	36WG0190
Layout	36LYE002
Eff. date	11-02-2020
CD Diagram	CD0017A01
Poles	02
Leads	2#10 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.00 IN
Power Factor	88
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

NP1256L									
CAT.NO.	L1409T								
SPEC.	36E02-190								
HP	5								
VOLTS	230								
AMP	23								
RPM	3450								
FRAME	184T		HZ	60		PH	1		
SER.F.	1.15	CODE	F	DES	L	CLASS	F		
NEMA-NOM-EFF	75	PF	88						
RATING	40C AMB-CONT								
CC			USABLE AT 208V	24					
DE	6206		ODE	6205					
ENCL	OPEN	SN							

Accessories

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

AC Induction Motor Performance Data

Record # 20846

Typical performance - not guaranteed values

Winding: 36WG0190-R002		Type: 3634L		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	5	Full Load Torque	7.6 LB-FT		
Volts	230	Start Configuration	direct on line		
Full Load Amps	23	Breakdown Torque	18.7 LB-FT		
R.P.M.	3450	Pull-up Torque	16 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	18 LB-FT	
NEMA Design Code	L	KVA Code	F	Starting Current	125 A
Service Factor (S.F.)	1.15		No-load Current	9 A	
NEMA Nom. Eff.	75	Power Factor	88	Line-line Res. @ 25°C	0.338 Ω A Ph 1.16 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	75°C	
S.F. Amps			Temp. Rise @ S.F. Load	90°C	

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	76	84	88	90	90	0
Efficiency	63	74.5	77.7	78	76.5	73.6	0
Speed	3559	3524	3485	3440	3387	3318	0
Line amperes	10.9	14.3	18.6	23.6	29.6	36.8	27.2

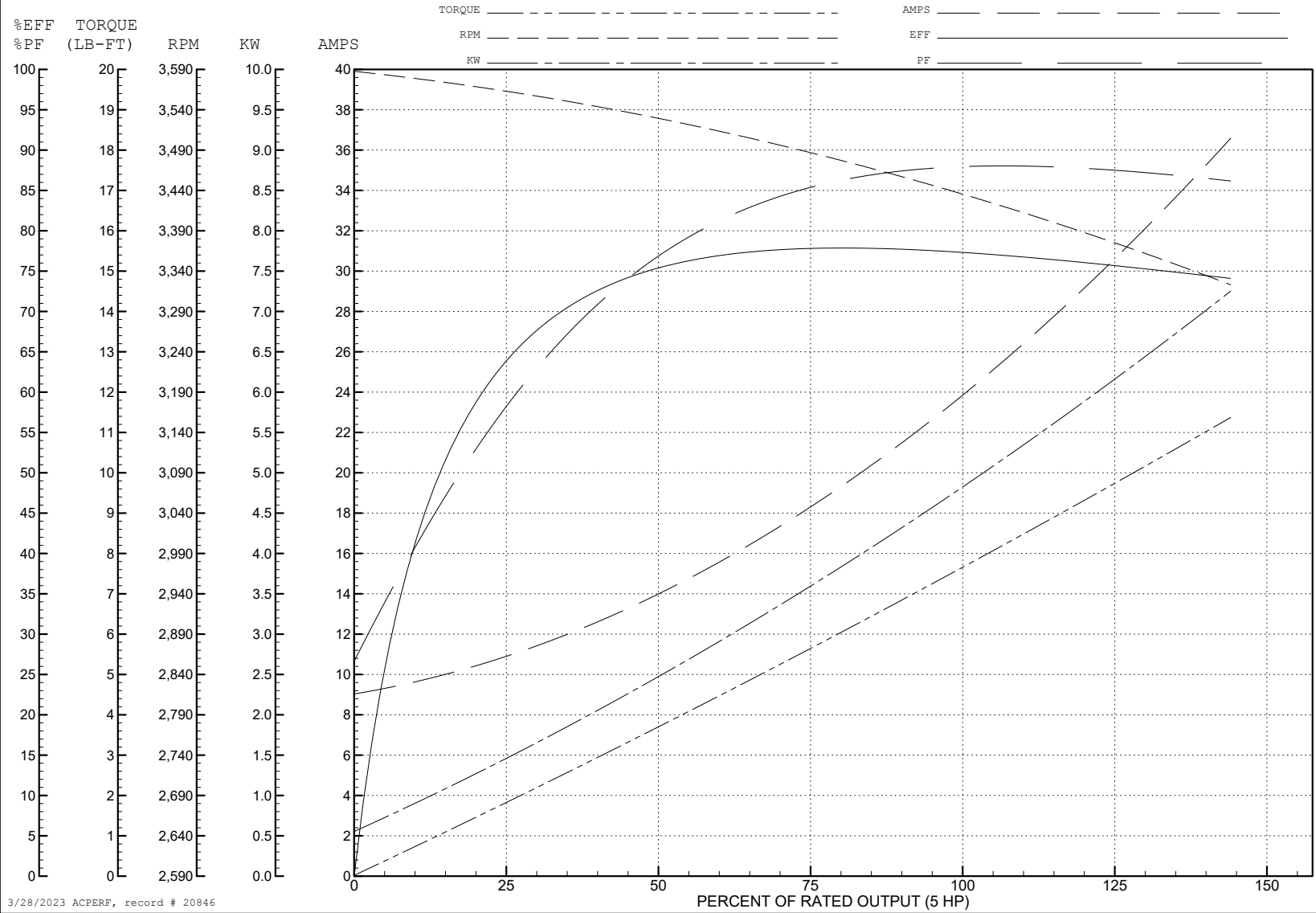
ABB Motors and Mechanical Inc.

WINDING # 36WG0190

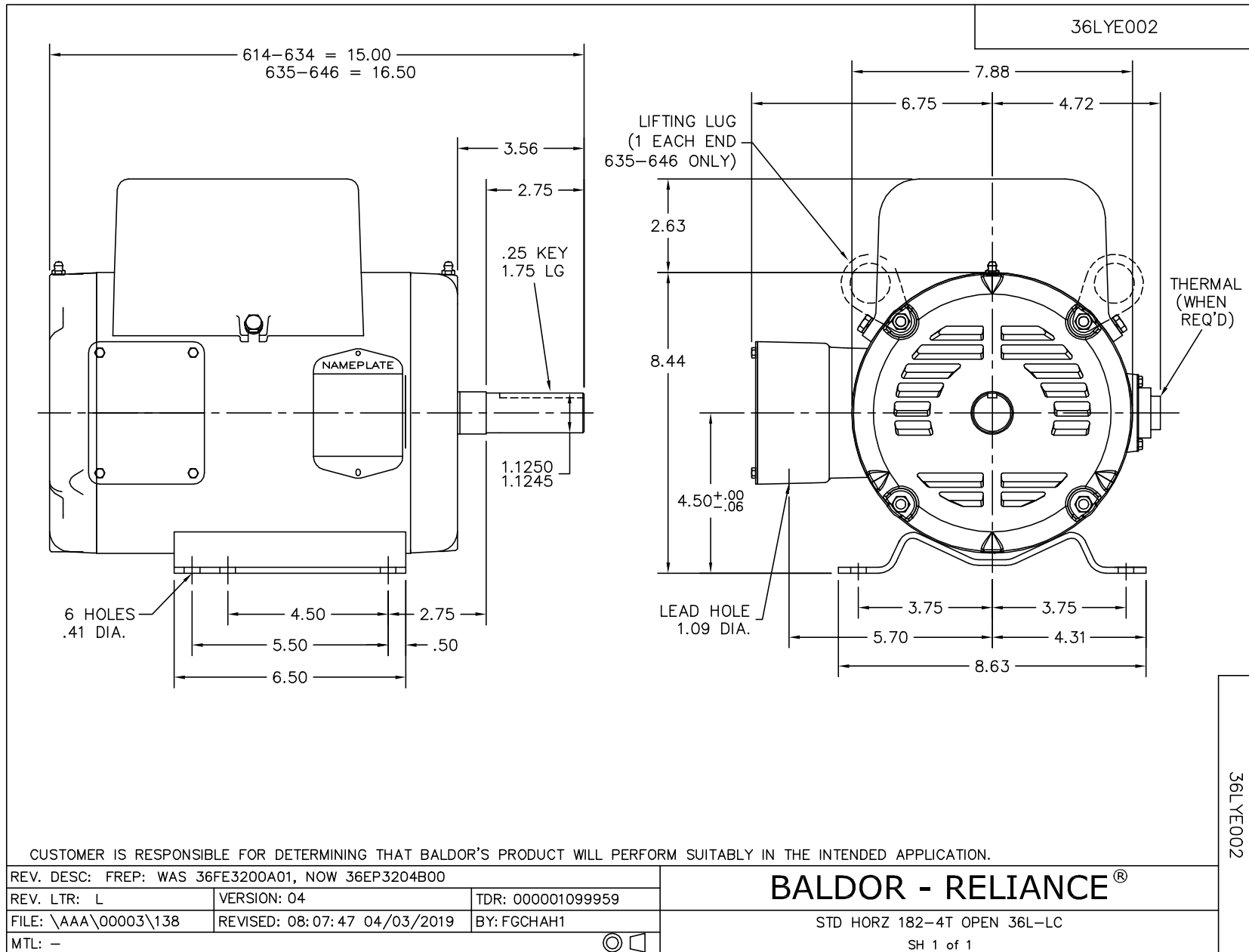
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 3450 RPM 230 V 3634L

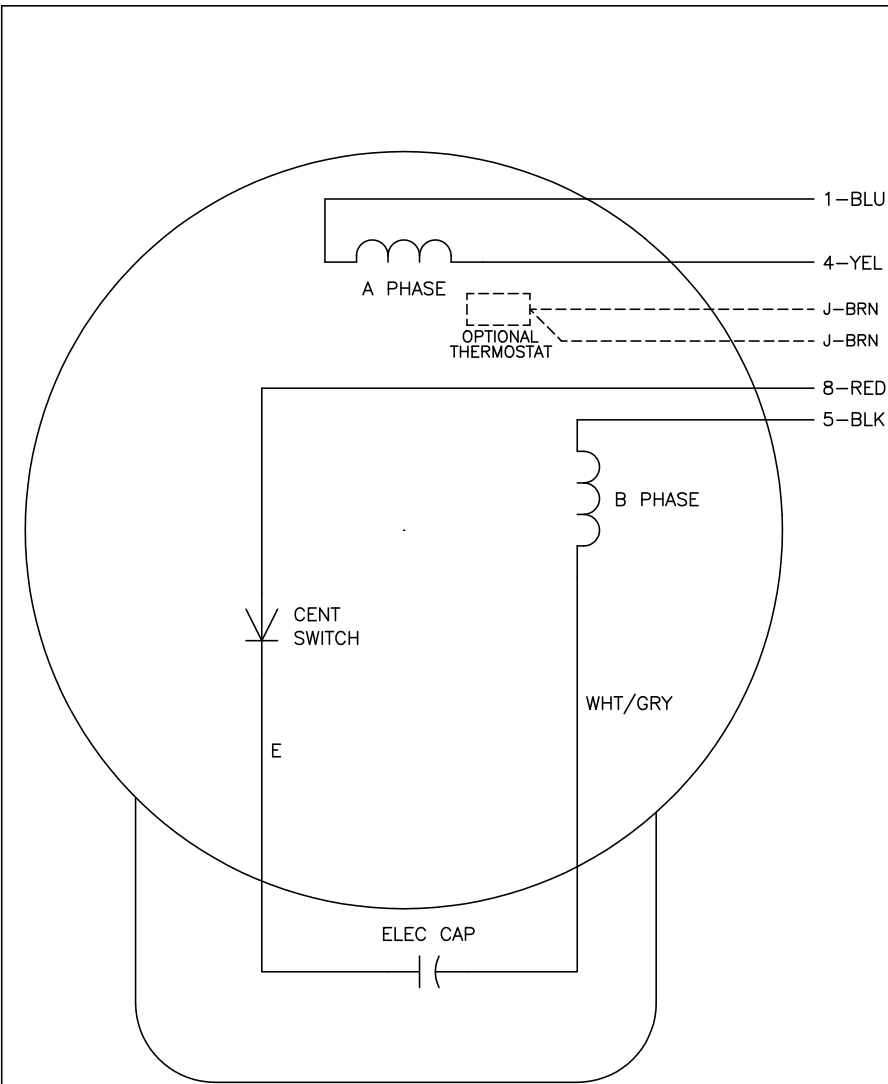
TORQUES (LB-FT): PO=18.7 PU=16 LR=18 LRA=125



3/28/2023 ACPERF, record # 20846



CD0017A01



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: JLP	REVISED: 04/08/99 1:18	TDR: 0178636
10VZ1000		FILE: AAA00007513	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, SV, REV, 4 LEADS

CD0017A01