ABB BALDOR RELIANCE

Customer information packet

JPL1409T

5HP, 3500RPM, 1PH, 60HZ, 184, JP, 3634LC, OPEN
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 4:35:59 PM

Specifications

Enclosure	OPEN
Frame	184JP
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	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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
	21.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
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	21.5 a
Insulation Class	F

Part Detail

Revision	U
Type	AC
Mech. spec.	36E774
Base	
Status	PRD/A
Elec. spec.	36WGW925
Layout	36LYE774
Eff. date	06-24-2026
CD Diagram	CD0017A02
Poles	02
Leads	2#12 A PH,2#16 B PH
Proprietary	False
Created date	11-10-2005

Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 12 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.57 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3500 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.	JPL1409T							
SPEC.	36E774W925G1							
HP	5							
VOLTS	230							
AMP	21.5							
RPM	3500							
FRAME	184JP	**HZ**	60			**PH**	1	
SER.F.	1.15	**CODE**	H	**DES**	L	**CLASS**	F	
NEMA-NOM-EFF	80	**PF**	96					
RATING	40C AMB-CONT							
CC								
DE	6207	**ODE**	6205					
ENCL	OPEN	**SN**						

AC Induction Motor Performance Data
Record # 65030
Typical performance - not guaranteed values

Winding: 36WGW925-R001	**Type:** 3634LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	7.46 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			21.5	**Breakdown Torque**	23.85 LB-FT
R.P.M.			3500	**Pull-up Torque**	12.02 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	12.02 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	154 A
Service Factor (S.F.)			1.15	**No-load Current**	4.9 A
NEMA Nom. Eff.	75	**Power Factor**	88	**Line-line Res. @ 25ºC**	0.316 Ω A Ph 0.937 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	83°C
S.F. Amps				**Temp. Rise @ S.F. Load**	96°C
				Locked-rotor Power Factor	76.8
				Rotor inertia	0.153 LB-FT2

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	81	89	92	93	92	88	92
Efficiency	66.1	77.2	79.8	79.6	77.5	73.7	78.3
Speed	3574	3546	3515	3480	3434	3372	3452
Line amperes	7.76	11.85	16.56	21.72	27.7	35.76	25.3

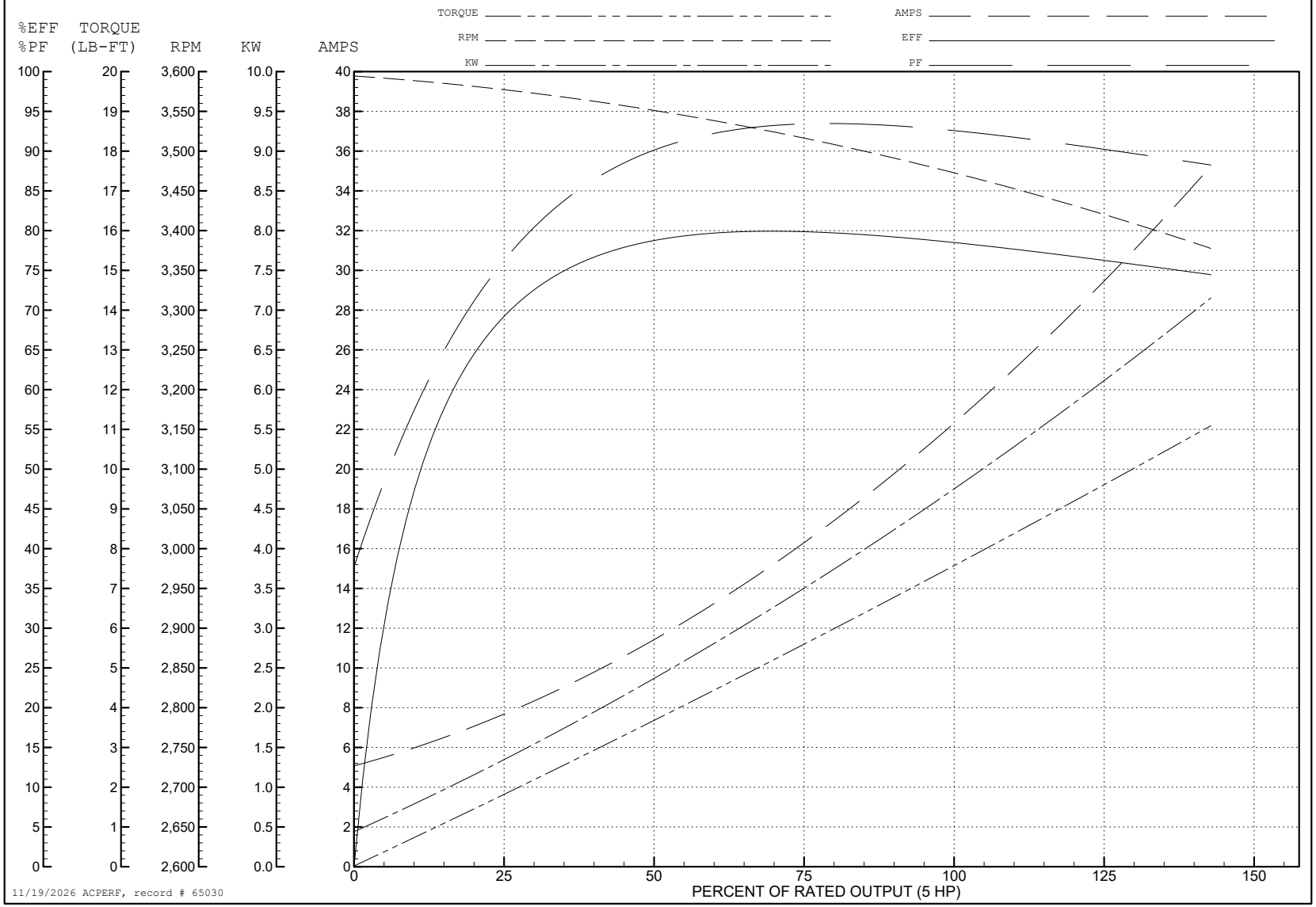
ABB Motors and Mechanical Inc.

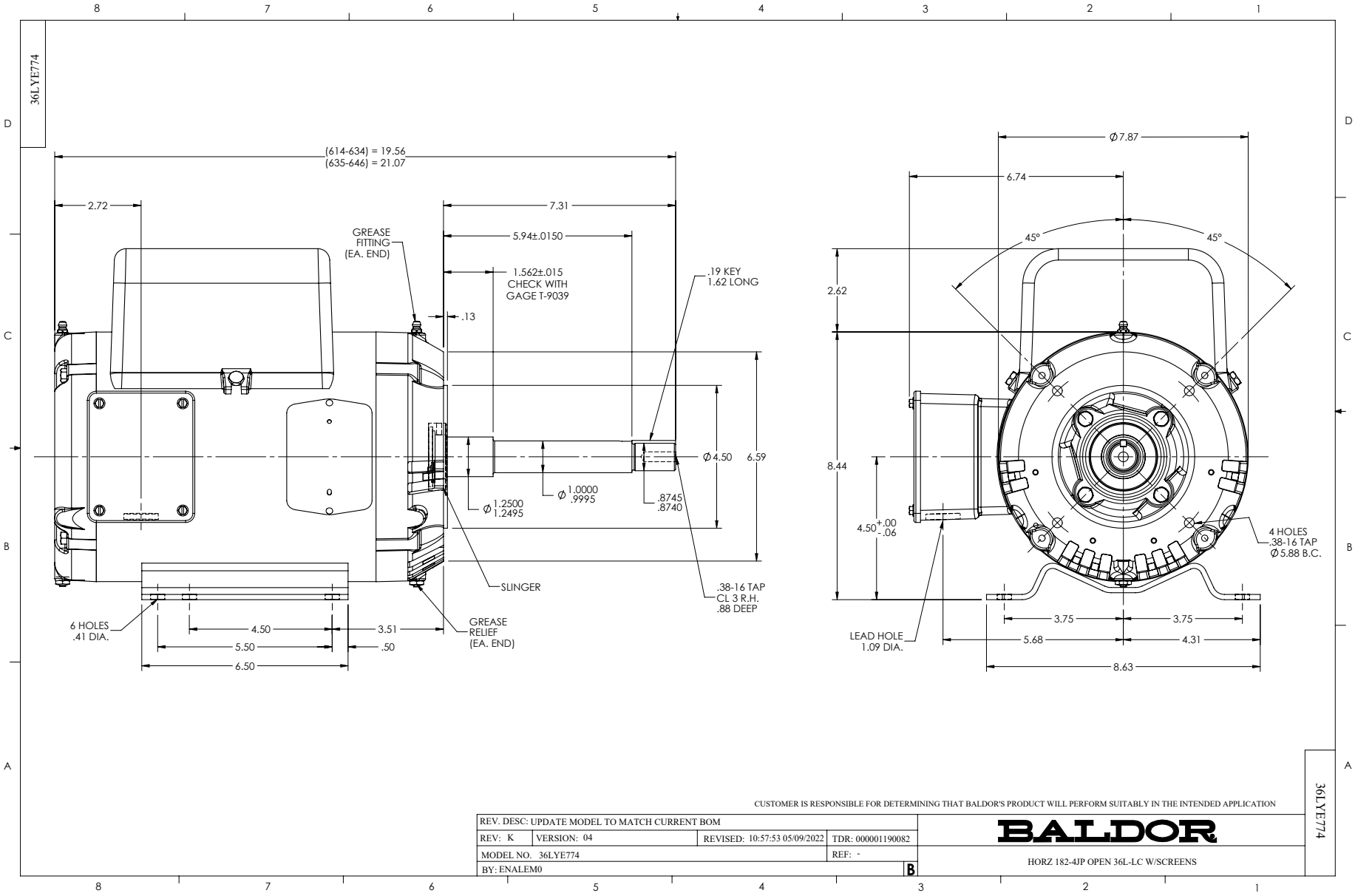
WINDING # 36WGW925

5 HP 1 PH 60 HZ 3500 RPM 230 V 3634LC

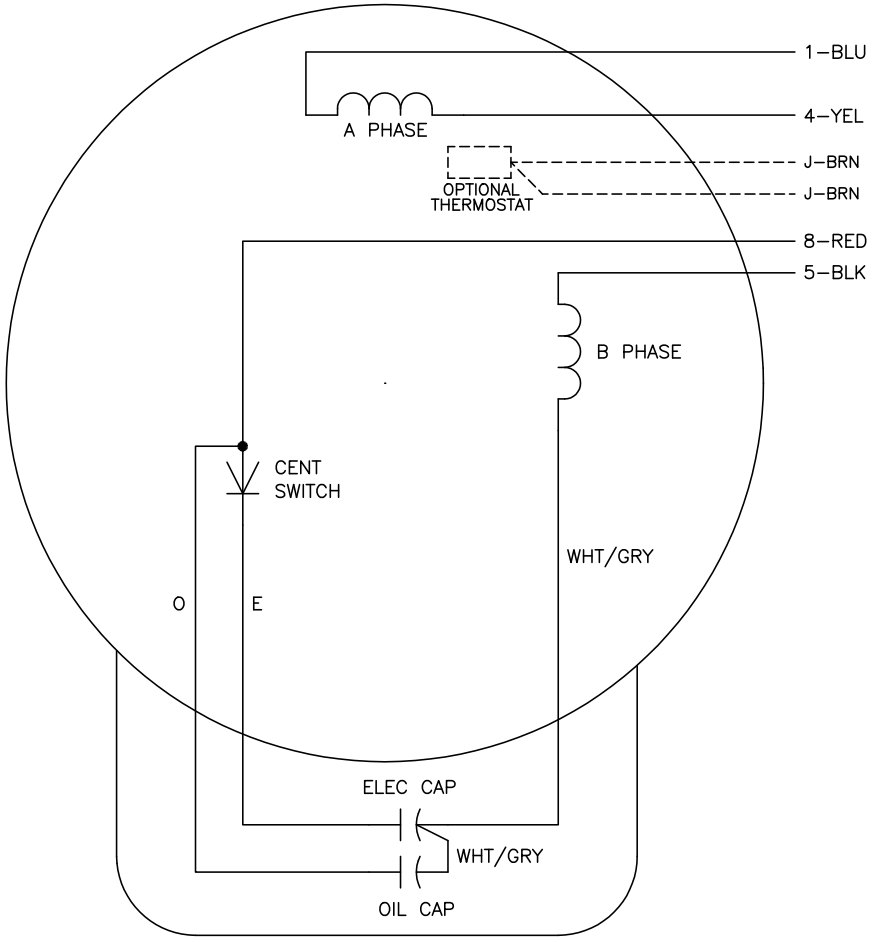
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=23.85 PU=12.02 LR=12.02 LRA=154




36LYE774
(614-634) = 19.56
(635-646) = 21.07
2.72
7.31
5.94±.0150
1.562±.015
CHECK WITH
GAGE T-9039
GREASE
FITTING
(EA. END)
.13
.19 KEY
1.62 LONG
Ø4.50
6.59
Ø 1.2500
1.2495
Ø 1.0000
.9995
.8745
.8740
SLINGER
.38-16 TAP
CL 3 R.H.
.88 DEEP
6 HOLES
.41 DIA.
4.50
3.51
5.50
.50
6.50
GREASE
RELIEF
(EA. END)
Ø7.87
6.74
45°
45°
2.62
8.44
4.50 +.00 -.06
4 HOLES
.38-16 TAP
Ø5.88 B.C.
LEAD HOLE
1.09 DIA.
3.75
3.75
5.68
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE MODEL TO MATCH CURRENT BOM
REV: K
VERSION: 04
REVISED: 10:57:53 05/09/2022
TDR: 000001190082
MODEL NO. 36LYE774
REF: -
BY: ENALEM0
B
BALDOR
HORZ 182-4JP OPEN 36L-LC W/SCREENS
36LYE774

CD0017A02



	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			BALDOR ELECTRIC Co.
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: –
		MTL: –	TYPE LC, SV, REV, 4 LEADS

CD0017A02