ABB BALDOR RELIANCE

Customer information packet

JML1409T

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

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Specifications

Enclosure	OPEN
Frame	184JM
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	21.000 A @ 230.0 V
	22.700 A @ 208.0 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 Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	21.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	E
Type	AC
Mech. spec.	36M927
Base	
Status	PRD/A
Elec. spec.	36WGQ042
Layout	36LYM927
Eff. date	05-10-2024
CD Diagram	CD0017A02
Poles	02
Leads	2#12 A PH,2#16 B PH
Proprietary	False
Created date	12-15-2020

KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	16.50 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 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.	JML1409T								
SPEC.	36M927Q042G1								
HP	5								
VOLTS	230								
AMP	21								
RPM	3500								
FRAME	184JM	**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 # 85843
Typical performance - not guaranteed values

Winding: 36WGQ042-R001	**Type:** 3634LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	7.552 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			21	**Breakdown Torque**	15.44 LB-FT
R.P.M.			3500	**Pull-up Torque**	11.13 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	16.11 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	140 A
Service Factor (S.F.)			1.15	**No-load Current**	3.94 A
NEMA Nom. Eff.	80	**Power Factor**	96	**Line-line Res. @ 25ºC**	0.38164 Ω A Ph 1.649 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	62°C
S.F. Amps				**Temp. Rise @ S.F. Load**	78°C
				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	87	94	96	97	97	96	97
Efficiency	72.4	82.2	84.2	83.7	81.7	78.6	82.5
Speed	3572	3547	3518	3485	3445	3395	3461
Line amperes	6.53	10.47	15.01	20.06	25.69	32.41	23.4

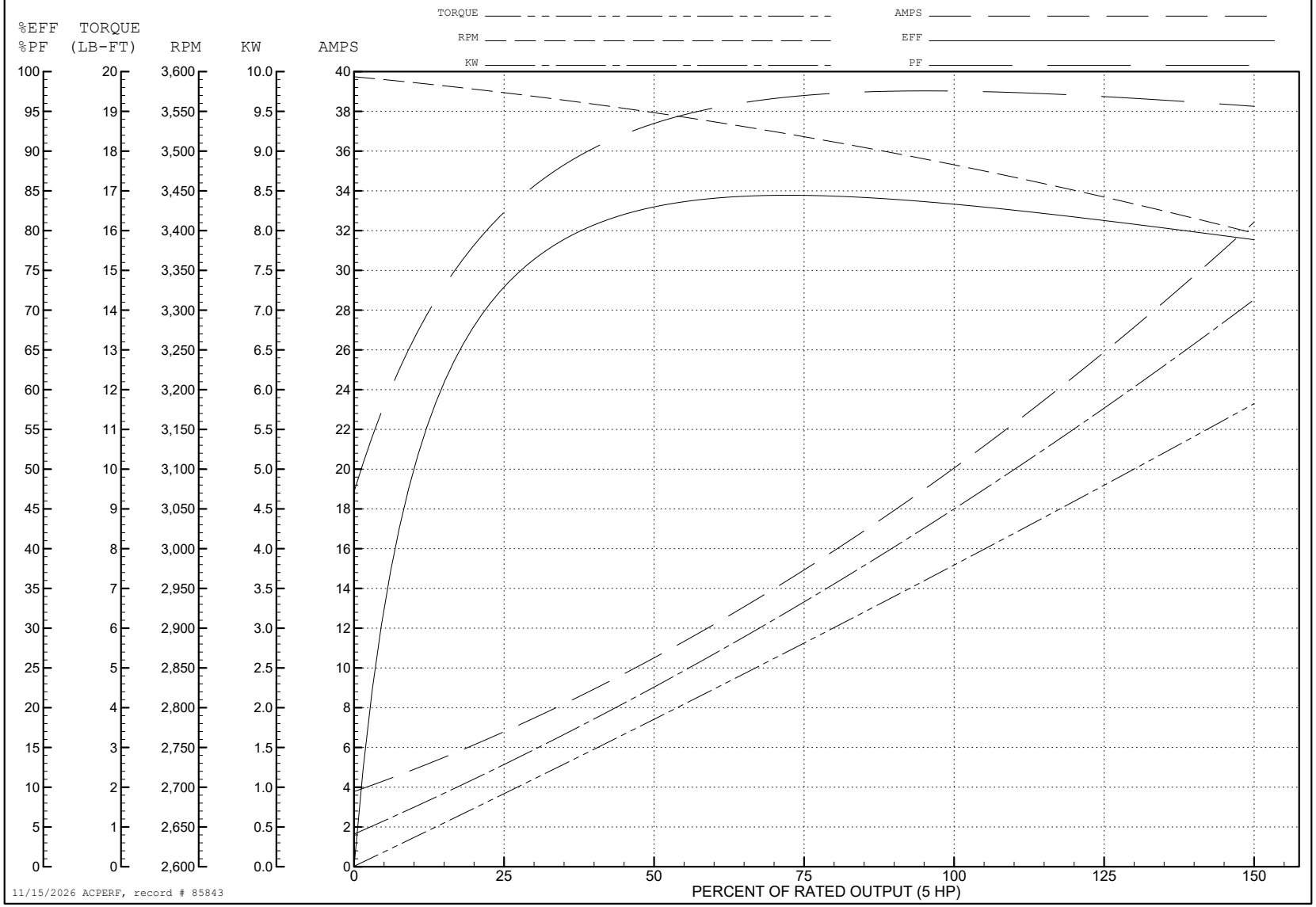
ABB Motors and Mechanical Inc.

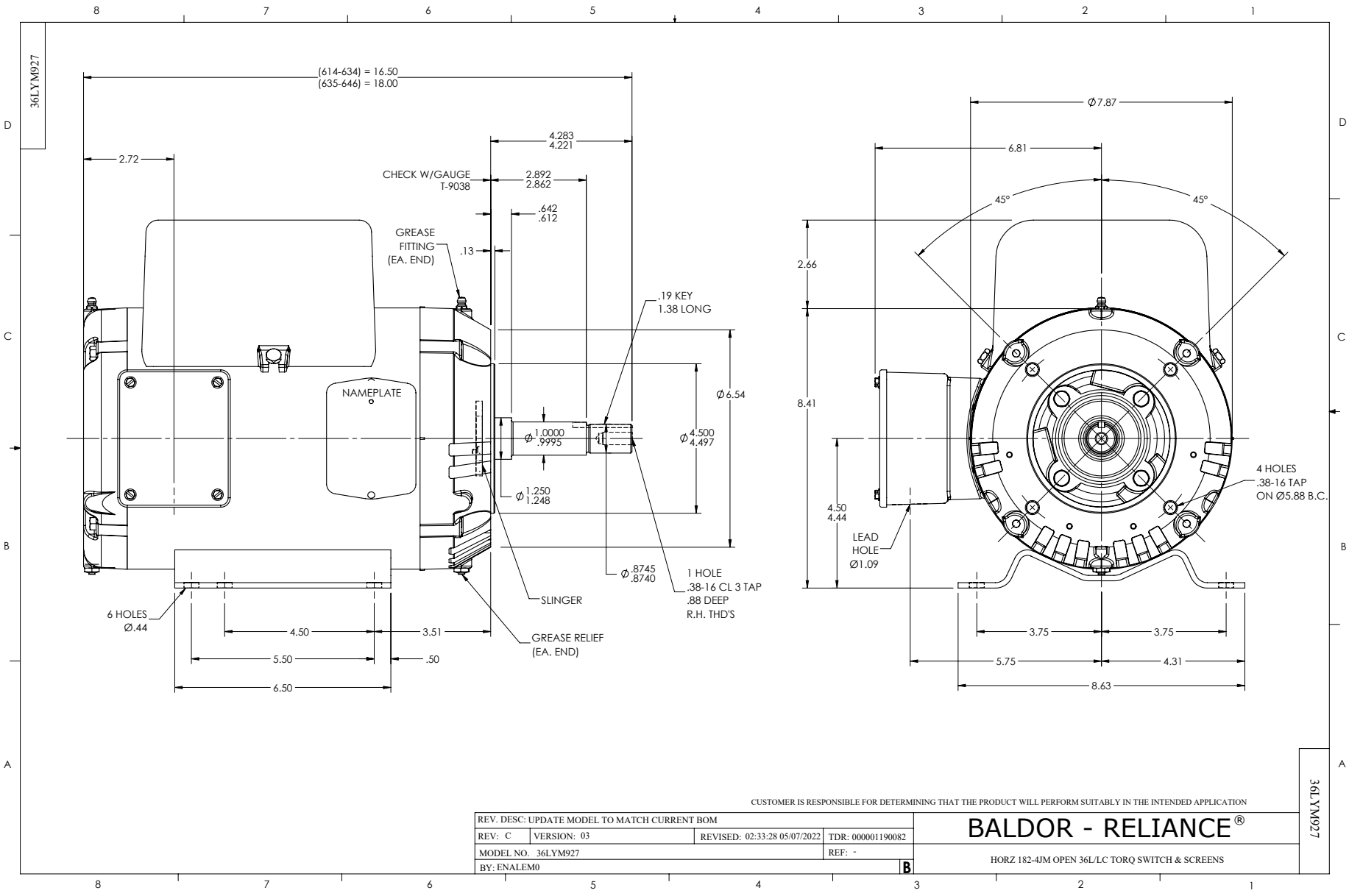
WINDING # 36WGQ042

Typical performance - not guaranteed values.

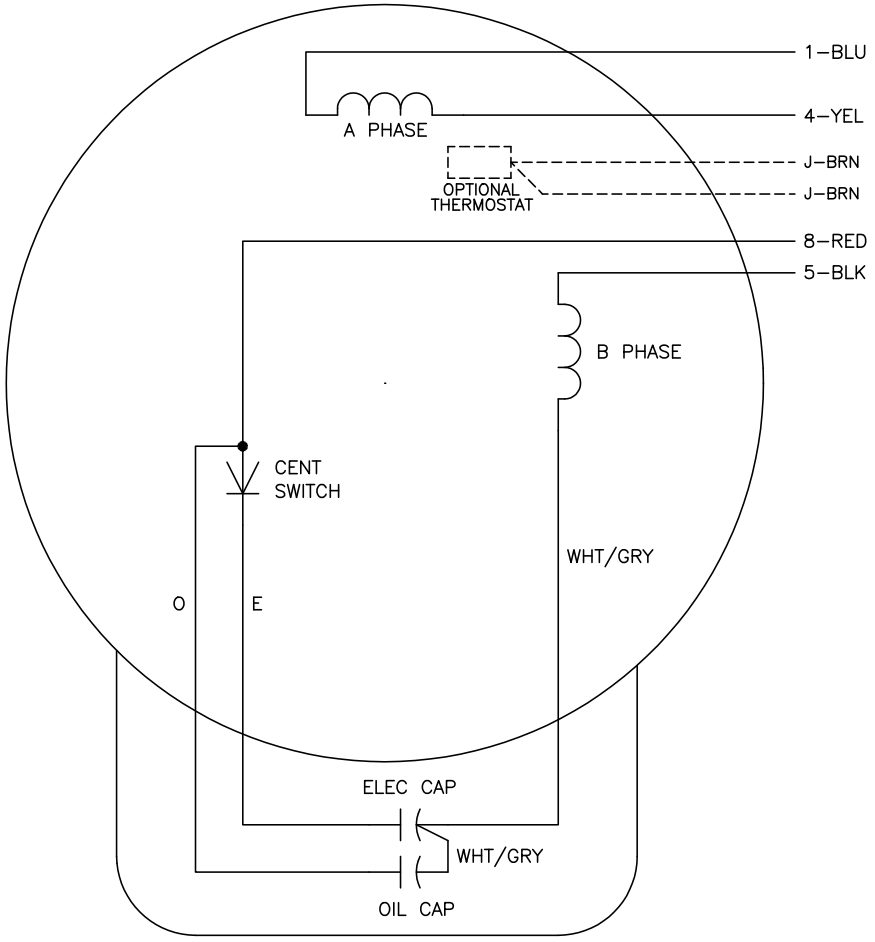
5 HP 1 PH 60 HZ 3500 RPM 230 V 3634LC

TORQUES(LB-FT): PO=15.44 PU=11.13 LR=16.11 LRA=140




36LYM927
(614-634) = 16.50
(635-646) = 18.00
2.72
4.283
4.221
CHECK W/GAUGE
T-9038
2.892
2.862
.642
.612
GREASE
FITTING
(EA. END)
.13
.19 KEY
1.38 LONG
NAMEPLATE
Ø6.54
Ø 1.0000
.9995
Ø 4.500
4.497
Ø 1.250
1.248
Ø .8745
.8740
1 HOLE
.38-16 CL 3 TAP
.88 DEEP
R.H. THD'S
SLINGER
6 HOLES
Ø.44
4.50
3.51
5.50
.50
6.50
GREASE RELIEF
(EA. END)
Ø7.87
6.81
45°
45°
2.66
8.41
4.50
4.44
LEAD
HOLE
Ø1.09
4 HOLES
.38-16 TAP
ON Ø5.88 B.C.
3.75
3.75
5.75
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE MODEL TO MATCH CURRENT BOM
REV: C
VERSION: 03
REVISED: 02:33:28 05/07/2022
TDR: 000001190082
MODEL NO. 36LYM927
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 182-4JM OPEN 36L/LC TORQ SWITCH & SCREENS
36LYM927

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