ABB BALDOR RELIANCE

Customer information packet

CL1408TM

3HP, 1725RPM, 1PH, 60HZ, 184TC, 3634LC, OPEN
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	184TC
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	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	16.000 A @ 230.0 V
	32.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
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	16.0 a
Insulation Class	F

Part Detail

Revision	AM
Type	AC
Mech. spec.	36F984
Base	
Status	PRD/A
Elec. spec.	36WG2761
Layout	36LYF984
Eff. date	05-09-2024
CD Diagram	CD0016A03
Poles	04
Leads	4#14 A&J,3#16 B PH,1#10 #4TH
Proprietary	False
Created date	01-01-0001

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	4 @ 14 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.00 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	SK
Winding Thermal 2	None

Nameplate

NP1257L										
CAT.NO.	CL1408TM									
SPEC.	36F984-2761									
HP	3									
VOLTS	115/230									
AMP	32/16									
RPM	1725									
FRAME	184TC		**HZ**	60		**PH**	1			
SER.F.	1.15	**CODE**	H	**DES**	L	**CL**	F			
NEMA-NOM-EFF	78	**PF**	78							
RATING	40C AMB-CONT									
CC										
DE	6206	**ODE**	6205							
ENCL	OPEN	**SN**								

AC Induction Motor Performance Data
Record # 61459
Typical performance - not guaranteed values

Winding: 36WG2761-R002	**Type:** 3634LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	9 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			32/16	**Breakdown Torque**	21 LB-FT
R.P.M.			1725	**Pull-up Torque**	14.4 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	30.8 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	107 A
Service Factor (S.F.)			1.15	**No-load Current**	8.5 A
NEMA Nom. Eff.	78	**Power Factor**	78	**Line-line Res. @ 25ºC**	4.156 Ω A Ph 0.586 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	64	73	79	85	83	83
Efficiency	62.6	74.9	78.6	78	75	74.9	76.1
Speed	1788	1780	1769	1756	1733	1721	1742
Line amperes	9.1	10.4	15.8	16	19	23	17.8

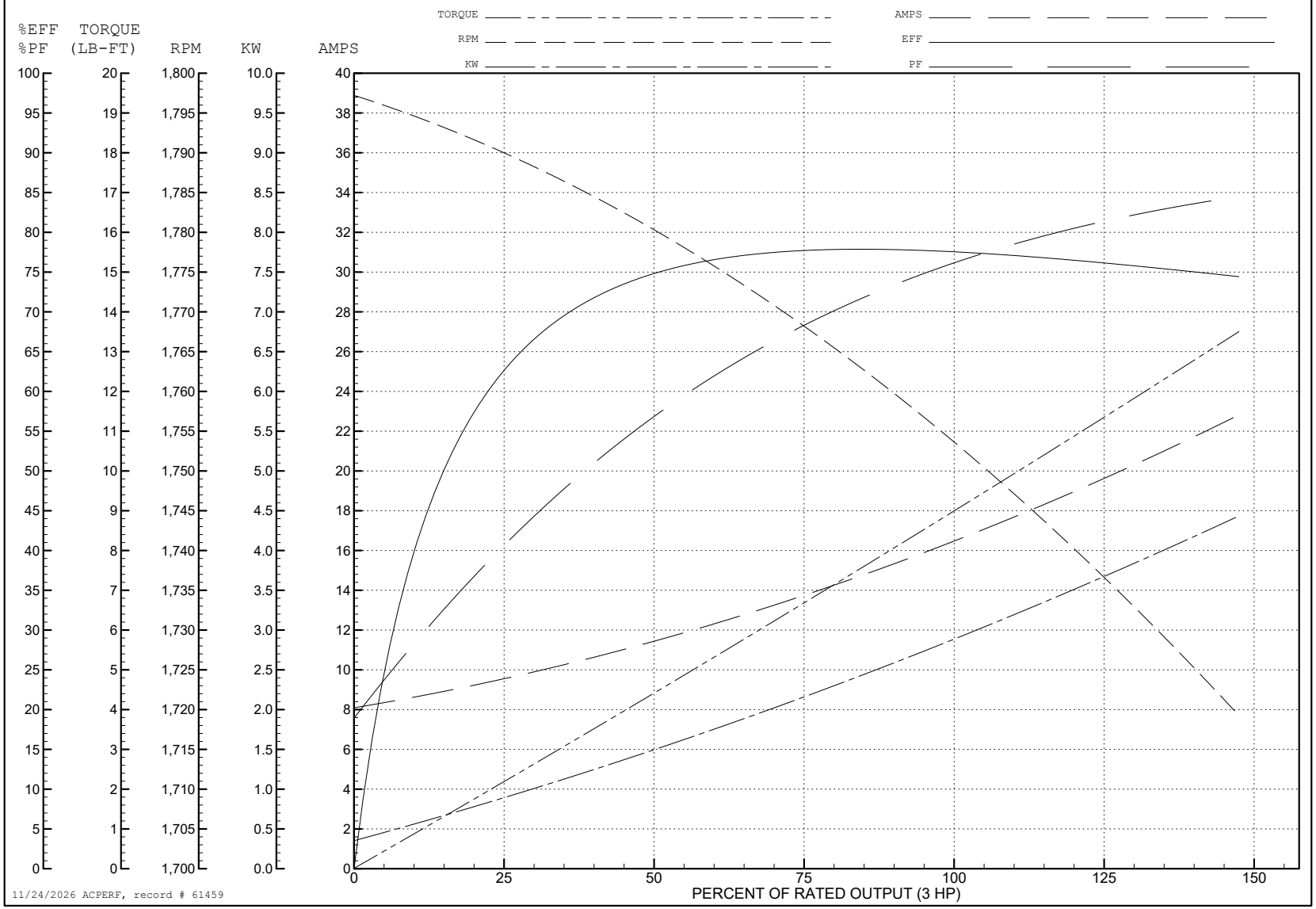
ABB Motors and Mechanical Inc.

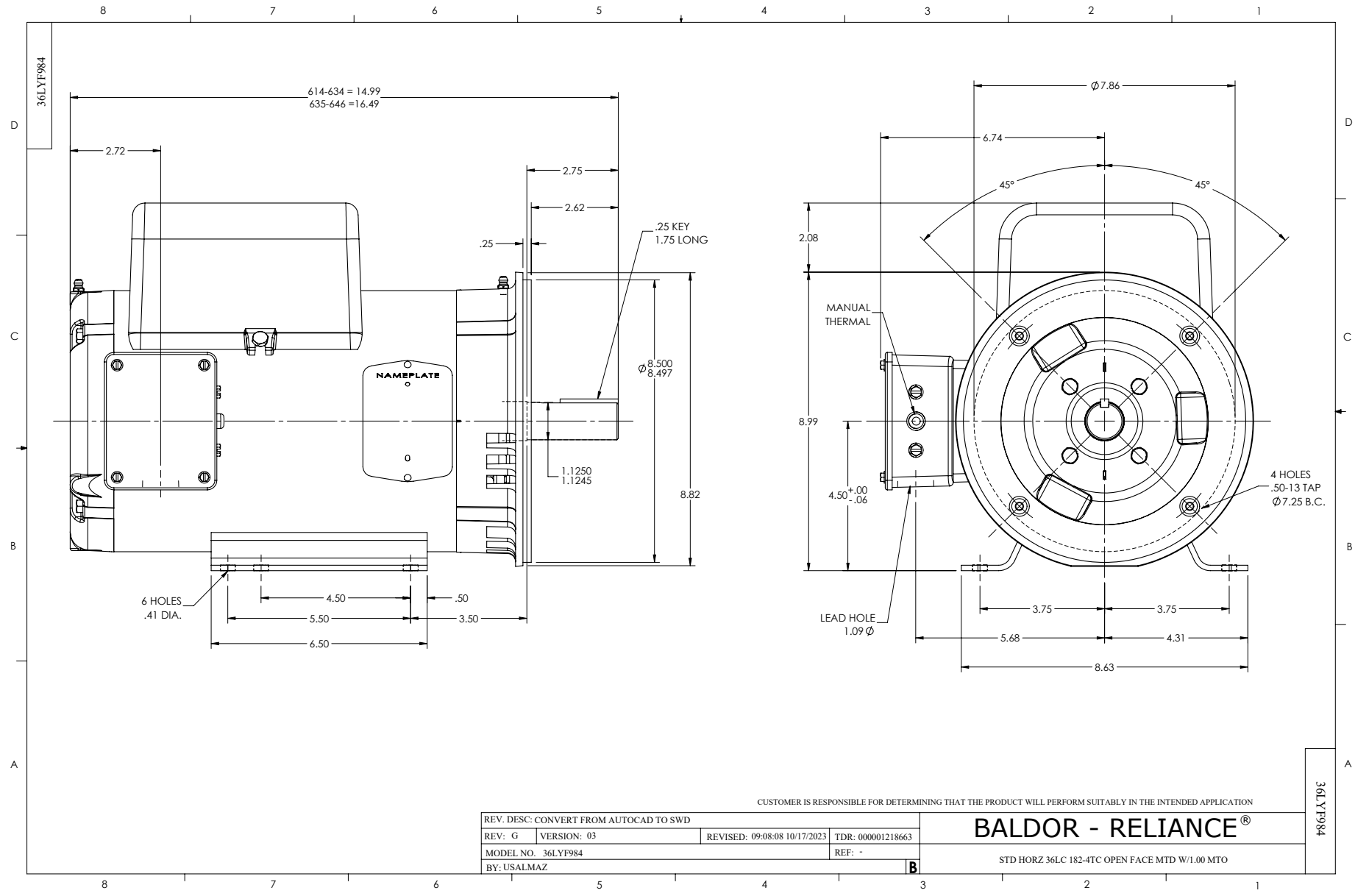
WINDING # 36WG2761

3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

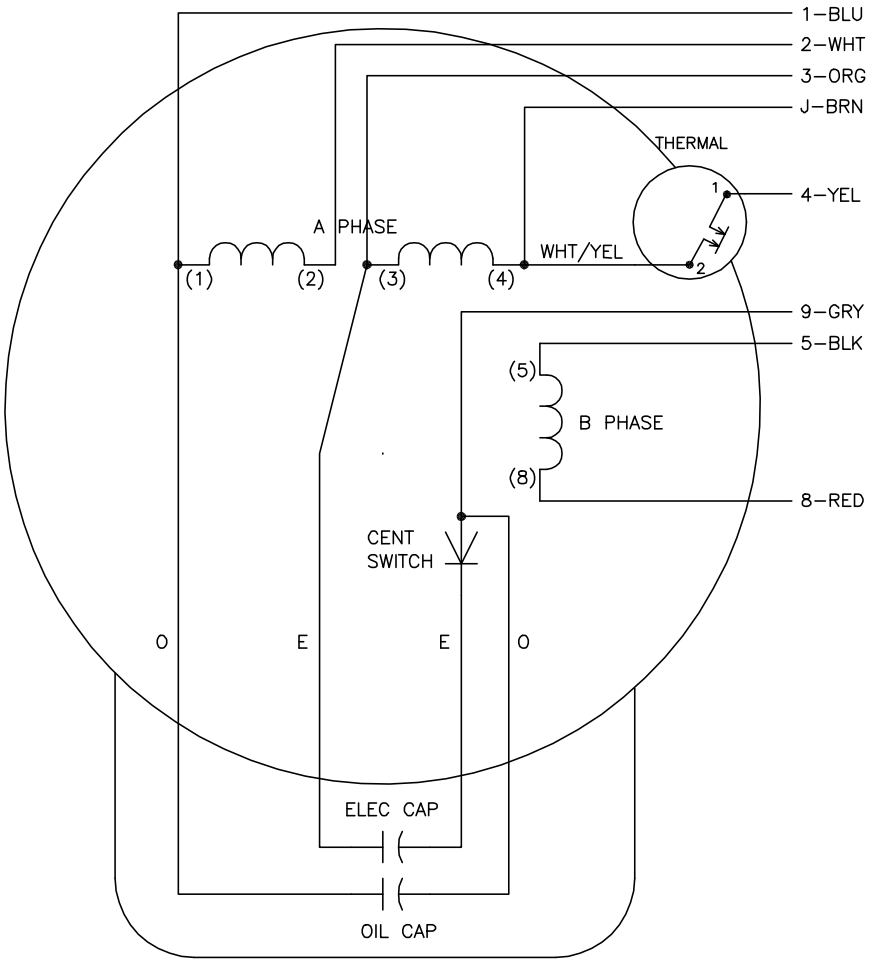
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=21 PU=14.4 LR=30.8 LRA=107




36LYF984
614-634 = 14.99
635-646 =16.49
2.72
2.75
2.62
.25
.25 KEY
1.75 LONG
NAMEPLATE
Ø8.500
8.497
1.1250
1.1245
8.82
6 HOLES
.41 DIA.
4.50
.50
5.50
3.50
6.50
Ø7.86
6.74
45°
45°
2.08
MANUAL
THERMAL
8.99
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
1.09 Ø
3.75
3.75
5.68
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: G
VERSION: 03
REVISED: 09:08:08 10/17/2023
TDR: 000001218663
MODEL NO. 36LYF984
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 36LC 182-4TC OPEN FACE MTD W/1.00 MTO
36LYF984

CD0016A03

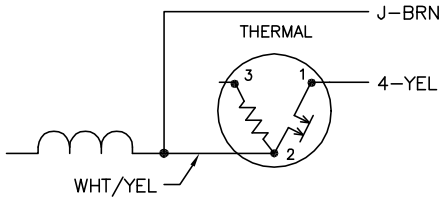


	LINE A	LINE B	JOIN	JOIN	JOIN
HIGH STD	1	4	2,3	8,9	J,5
HIGH OPP	1	4	2,3	5,9	J,8
LOW STD	1,3	4	8,9	2,J,5	–
LOW OPP	1,3	4	5,9	2,J,8	–

NOTES:

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

BYPASSING THE HEATER OF A THREE TERMINAL THERMAL



REV. DESC: NEW			BALDOR ELECTRIC Co.
REV. LTR: –	VERSION: 00	TDR: 000000360649	
CD0016A03	FILE: \AAA\00126\040	REVISED: 10:27:12 04/18/2005	TYPE LC, DV, REV,OIL CAP ACR. LINE, 2–TERMINAL THERMAL,8 LDS
	MTL: –	BY: ENJOEP0	

CD0016A03