ABB BALDOR RELIANCE

Customer information packet

CL1410TM

5HP, 1725RPM, 1PH, 60HZ, 184TC, 3640LC, 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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	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	23.000 A @ 230.0 V 25.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
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
Inverter Code	Not Inverter

Part Detail

Revision	AK
Type	AC
Mech. spec.	36F484
Base	
Status	PRD/A
Elec. spec.	36WGW903
Layout	36LYF484
Eff. date	05-09-2024
CD Diagram	CD0002A04
Poles	04
Leads	2#10 A PH,3#16 B&J
Proprietary	False
Created date	01-01-0001

KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	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	3640LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	87
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	KO
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	CL1410TM										
SPEC.	36F484W903										
HP	5										
VOLTS	230										
AMP	23										
RPM	1725										
FRAME	184TC			**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	G	**DES**	L	**CL**	F				
NEMA-NOM-EFF	82.5	**PF**	87								
RATING	40C AMB-CONT										
CC											
DE	6206	**ODE**	6205								
ENCL	OPEN	**SN**									

AC Induction Motor Performance Data
Record # 10877
Typical performance - not guaranteed values

Winding: 36WGW903-R001	**Type:** 3640LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			23	**Breakdown Torque**	34 LB-FT
R.P.M.			1725	**Pull-up Torque**	28 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	41 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	140 A
Service Factor (S.F.)			1.15	**No-load Current**	8.4 A
NEMA Nom. Eff.	82.5	**Power Factor**	87	**Line-line Res. @ 25ºC**	0.45 Ω A Ph 1.56 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	90°C
S.F. Amps				**Temp. Rise @ S.F. Load**	110°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	60	78	86	89	91	91	0
Efficiency	67.2	79.2	82.7	83	81.5	78.5	0
Speed	1786	1772	1756	1739	1718	1691	0
Line amperes	10.1	13.2	17.2	21.9	27.4	34	25.2

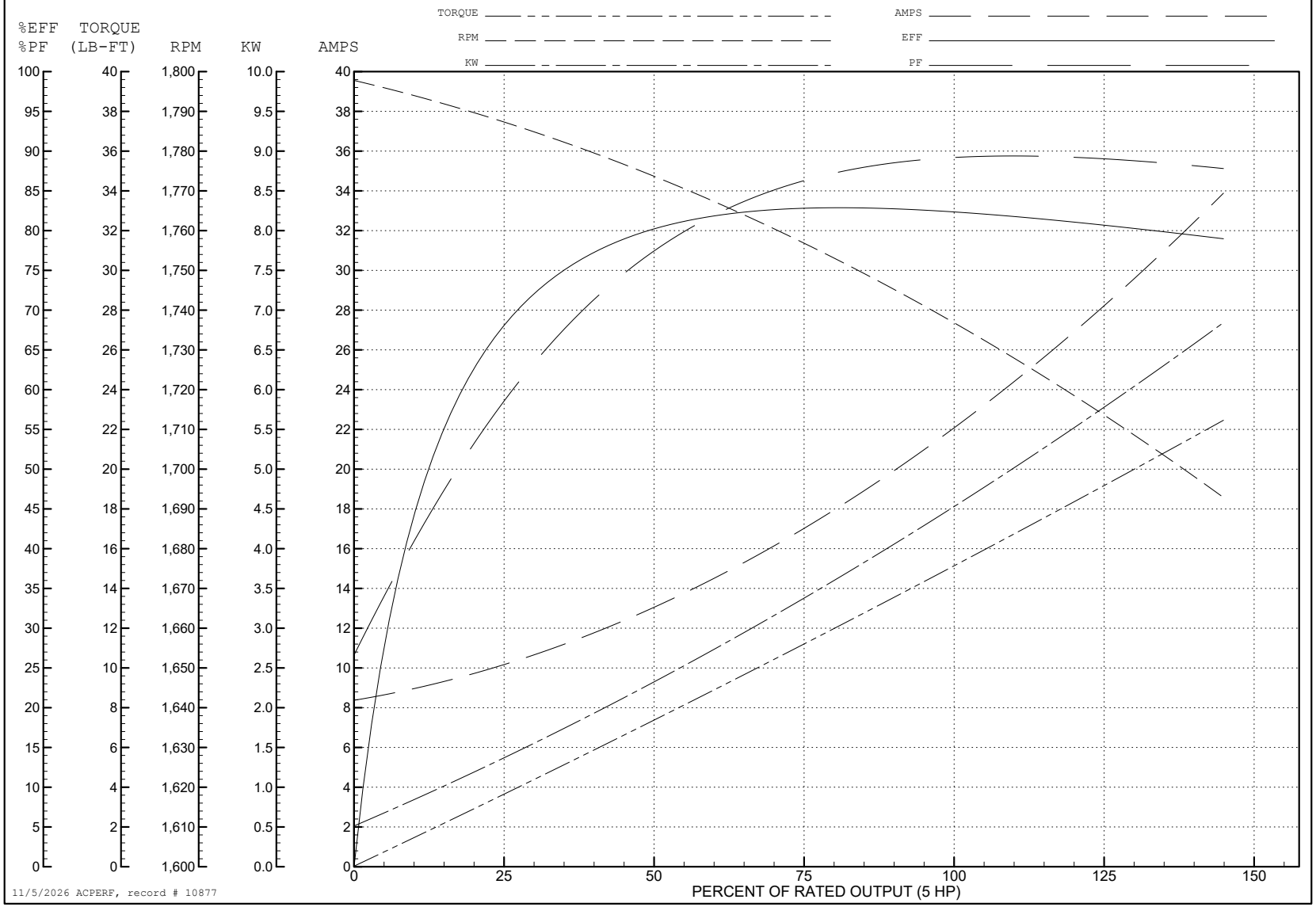
ABB Motors and Mechanical Inc.

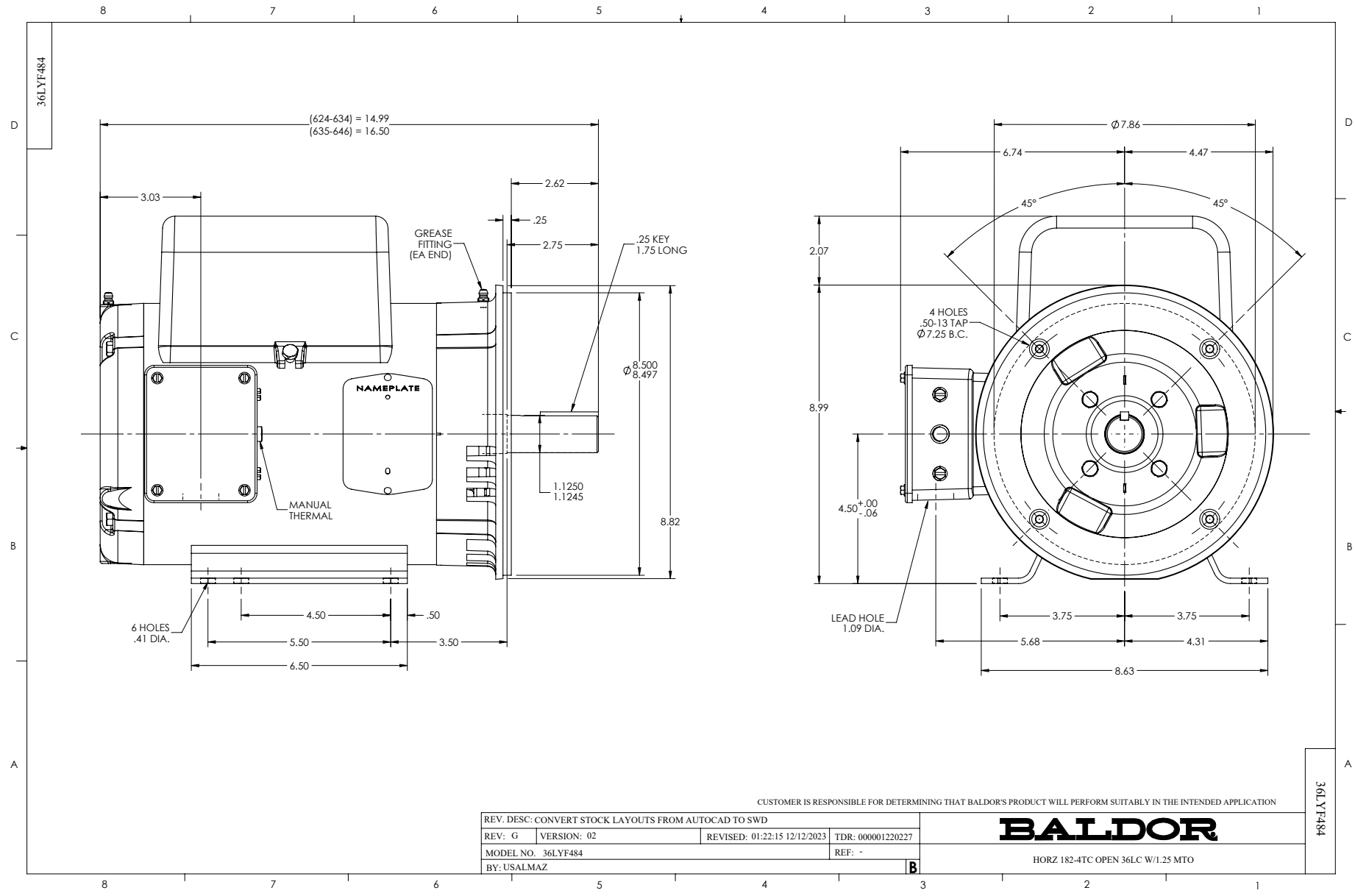
WINDING # 36WGW903

5 HP 1 PH 60 HZ 1725 RPM 230 V 3640LC

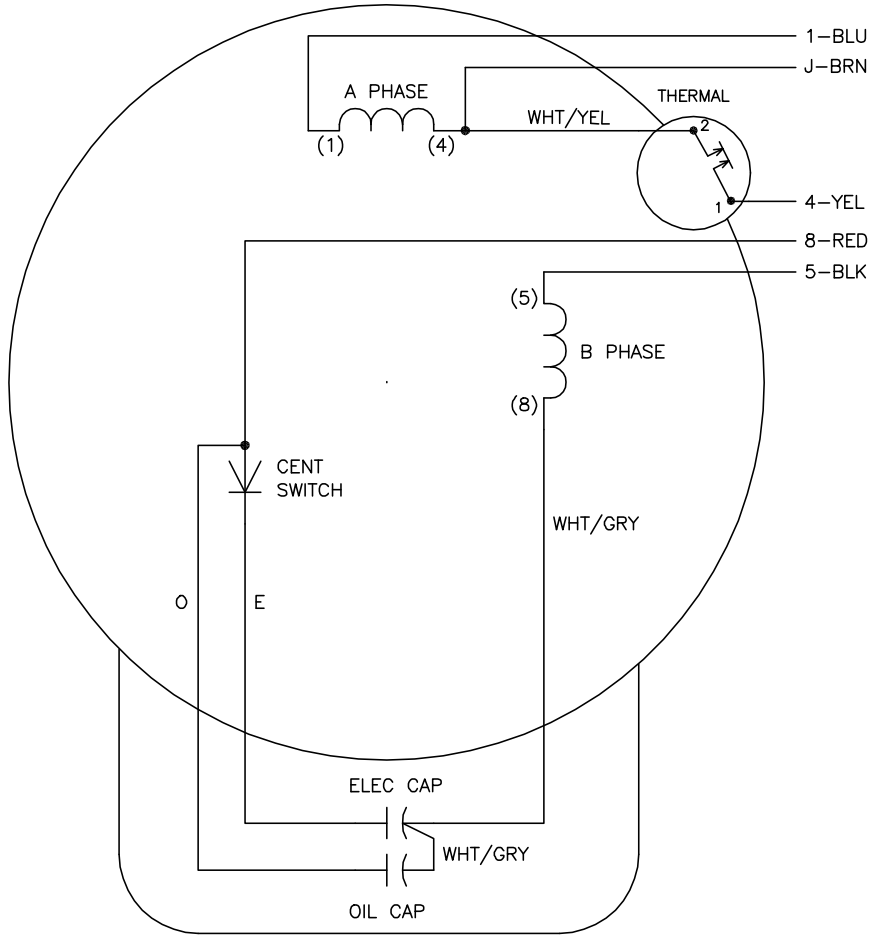
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=34 PU=28 LR=41 LRA=140




36LYF484
(624-634) = 14.99
(635-646) = 16.50
3.03
2.62
.25
2.75
GREASE FITTING (EA END)
.25 KEY 1.75 LONG
NAMEPLATE
Ø 8.500 8.497
1.1250 1.1245
MANUAL THERMAL
8.82
6 HOLES .41 DIA.
4.50
.50
5.50
3.50
6.50
Ø7.86
6.74
4.47
45°
45°
2.07
4 HOLES .50-13 TAP Ø7.25 B.C.
8.99
4.50 +.00 -.06
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: CONVERT STOCK LAYOUTS FROM AUTOCAD TO SWD
REV: G
VERSION: 02
REVISED: 01:22:15 12/12/2023
TDR: 000001220227
MODEL NO. 36LYF484
REF: -
BY: USALMAZ
B
BALDOR
HORZ 182-4TC OPEN 36LC W/1.25 MTO
36LYF484

CD0002A04

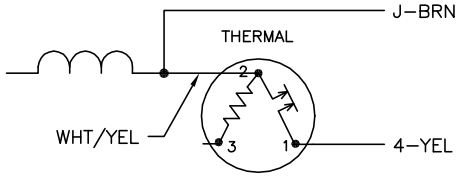


	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

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	
CD0002A04	FILE: \AAA\00126\009	REVISED: 17:08:44 04/15/2005	TYPE LC, SV, REV, 2–TERMINAL THERMAL, 5 LEADS
	MTL: –	BY: ENJOEP0	

CD0002A04