

ABB BALDOR RELIANCE III

Customer information packet

L1410TM

5HP, 1725RPM, 1PH, 60HZ, 184T, 3640LC, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184T
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	AZ
Type	AC
Mech. spec.	36F009
Base	
Status	PRD/A
Elec. spec.	36WGW903
Layout	36LYF009
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	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	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	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	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.	L1410TM										
SPEC.	36F09W903										
HP	5										
VOLTS	230										
AMP	23										
RPM	1725										
FRAME	184T			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								

Parts List

Part number	Description	Quantity
SA034811	SA 36F09W903	1.000 ea
RA030839	RA 36F09W903	1.000 ea
TPBRT00DB	THERMAL 1PH 1.25 MAN 120CWELDED	1.000 ea
TP5059A07	GENERIC WELDED THERMAL, 7" LEAD KIT	1.000 ea
36CB3004A02	36 CB 1.09 @ 6, 1.25 MTO @ 3	1.000 ea
HA6015A09	THERMAL RETAINER PLATED	1.000 ea
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
36EP3204B00	MASTER ODE,205 BRG,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3205D00	MASTER DE,206 BRG,1.197SH,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 ea
51XN0832A07	08-32 #10 & SMALLER HEX. WASHER HEAD, SL	4.000 ea
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 ea
36CB5005A03	CAPACITOR BOX KIT, 36CB3800Z, OC3040F18,	1.000 ea
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 ea
LC0002	CONNECTION LABEL	1.000 ea
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 ea
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 ea

NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
G7PA1000	PKG GRP, PRINT PK1034A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

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

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. @ 25°C	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

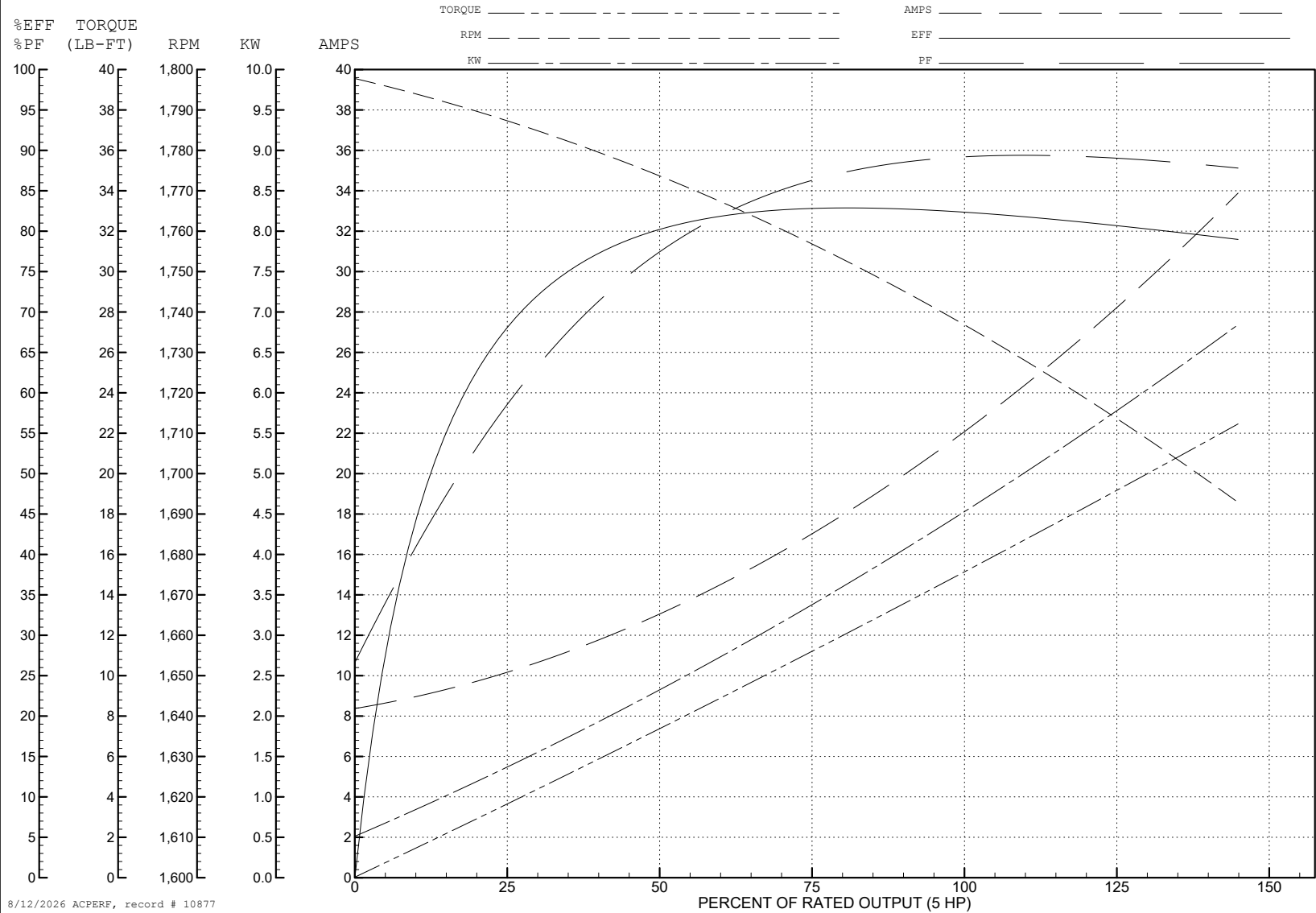
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	78	86	89	91	91	0
Efficiency	67.2	79.2	82.7	83	81.5	78.5	0
Speed	1786	1772	1756	1739	1718	1691	0
Line amperes	10.1	13.2	17.2	21.9	27.4	34	25.2

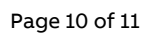
ABB Motors and Mechanical Inc.

WINDING # 36WG903

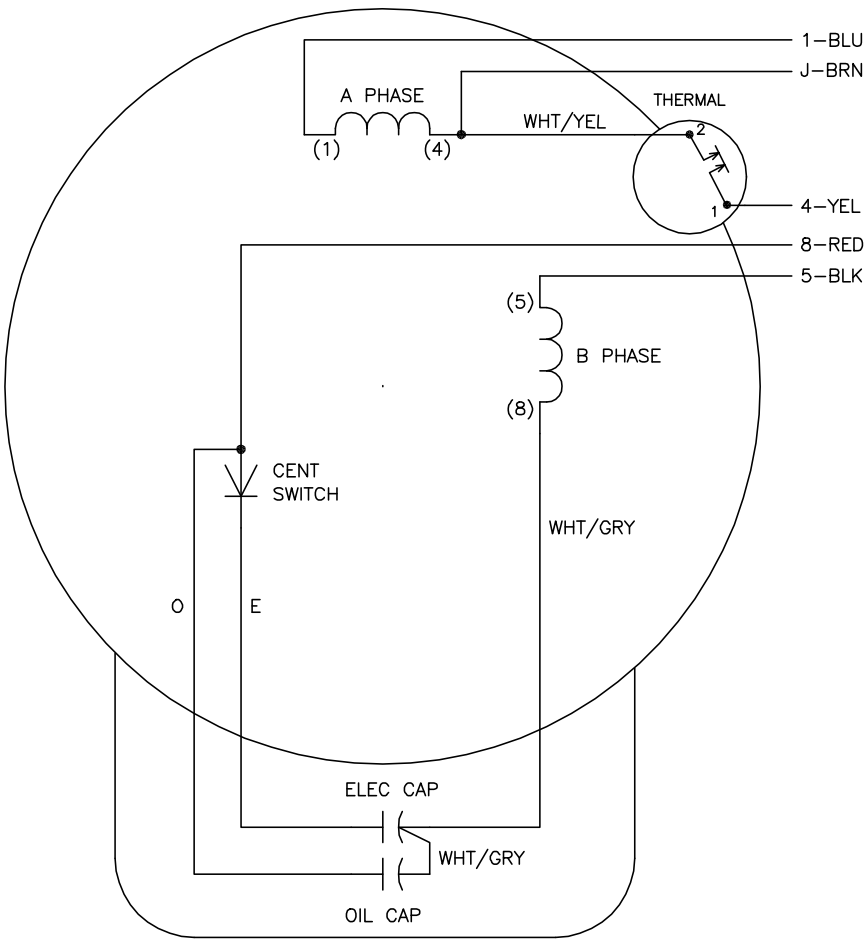
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1725 RPM 230 V 3640LC
TORQUES (LB-FT): PO=34 PU=28 LR=41 LRA=140



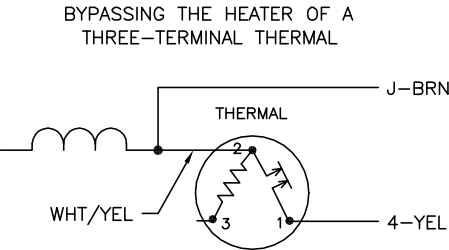


CD0002A04



	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.



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BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 2-TERMINAL THERMAL, 5 LEADS

CD0002A04