

BALDOR® • RELIANCE 

Product Information Packet

VXL18242

2HP,1750RPM,1PH,60HZ,184C,3634L,XPFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WG0203	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:		Layout:	36LY-000-233	Poles:	04	Created Date:	05-06-2021
Base:		Eff. Date:	05-20-2022	Leads:	4#14 A PH,2#16 B PH		

Specs			
Catalog Number:	VXL18242	Heater Indicator:	No Heater
Enclosure:	XPFC	Insulation Class:	F
Frame:	184C	Inverter Code:	Not Inverter
Frame Material:	Steel	IP Rating:	NONE
Motor Letter Type:	Cap Start, Induction Run	KVA Code:	R
Output @ Frequency:	2.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3634L
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	79
Agency Approvals:	UL	Product Family:	General Purpose
	CSA	Pulley Face Code:	C-Face
Auxillary Box:	No Auxillary Box	Rodent Screen:	None
Auxillary Box Lead Termination:	None	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	No Mounting	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Speed Code:	Single Speed
Blower:	None	Motor Standards:	NEMA

Current @ Voltage:	11.000 A @ 230.0 V	Starting Method:	Direct on line
	22.000 A @ 115.0 V	Thermal Device - Bearing:	None
Design Code:	L	Thermal Device - Winding:	Normally Closed Thermostat
Drip Cover:	No Drip Cover	Vibration Sensor Indicator:	No Vibration Sensor
Duty Rating:	CONT	Winding Thermal 1:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Winding Thermal 2:	None
Feedback Device:	NO FEEDBACK	XP Temp Code:	T3C

Nameplate NP1426XPSL	
NO.	<input type="text"/>
SER.	<input type="text"/>
SPEC.	36-0000-0522
CAT.NO.	VXL18242
HP	2
VOLTS	115/208-230
AMPS	22/11.6-11
RPM	1730
HZ	60
SER.F.	1.15
RATING	40C AMB-CONT
FRAME	184C
USABLE AT 208V	<input type="text"/>
BLANK	NEMA MG-1 PART 5, IP54

CC	<input type="text"/>
T. CODE	T3C
PH	1
CL	F
DES	L
CODE	H
NEMA-NOM-EFF	75
PF	81

Parts List		
Part Number	Description	Quantity
SA393534	SA 36-0000-0522	1.000 EA
RA384185	RA 36-0000-0522	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0081	CONNECTION LABEL X	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
36FH4009A02	FAN COVER FOR VM7042T,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
HA3105A06	THRUBOLT- 3/8-16 X 10.500 X	4.000 EA
SP5172A39	36/37 TYPE L TORQ STAT SWITCH LEAD ASSY	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
36EP1704A02	PU ENDPLATE, MACH	1.000 EA
84XN1032J20	SCREW, SOC 10-32 X 1 1/4"BMH4602	2.000 EA
HW4001A01	1/4 HX SOC PIPE PLG (F/S) ALLOY STEEL W/	2.000 EA
60XN1032A07	10-32 X .4375 TRUSS HEAD, TORX SERRATED	2.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
36EP3700A02	FR ENDPLATE, MACH	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	2.000 EA
EC1400A03	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
EC1460A03	ELEC CAP 115V 1.8 X 3.3 CK - WESTVILLE	1.000 EA
MG1500Y02	WILKOPON PRIMER YELLOW	0.022 GA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.022 GA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

AC Induction Motor Performance Data

Record # 93614

Typical performance - not guaranteed values

Winding: 36WG0203-R016		Type: 3634L		Enclosure: XPFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	2	Full Load Torque	6 LB-FT		
Volts	115/208-230	Start Configuration	direct on line		
Full Load Amps	22/11.6-11	Breakdown Torque	14.5 LB-FT		
R.P.M.	1730	Pull-up Torque	13 LB-FT		
Hz	60 Phase	Locked-rotor Torque	16.6 LB-FT		
NEMA Design Code	L KVA Code	Starting Current	61 A		
Service Factor (S.F.)	1.15	No-load Current	6.5 A		
NEMA Nom. Eff.	75 Power Factor	Line-line Res. @ 25°C	0.244 Ω A Ph 0.632 Ω B Ph		
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	70°C		
S.F. Amps		Temp. Rise @ S.F. Load	82°C		

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	58	69	76	80	81	78
Efficiency	63.1	72.3	74.3	75	72	68.3	73.2
Speed	1783	1769	1753	1733	1711	1689	1720
Line amperes	7	8.05	9.7	11	13.9	16.2	12.7

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values

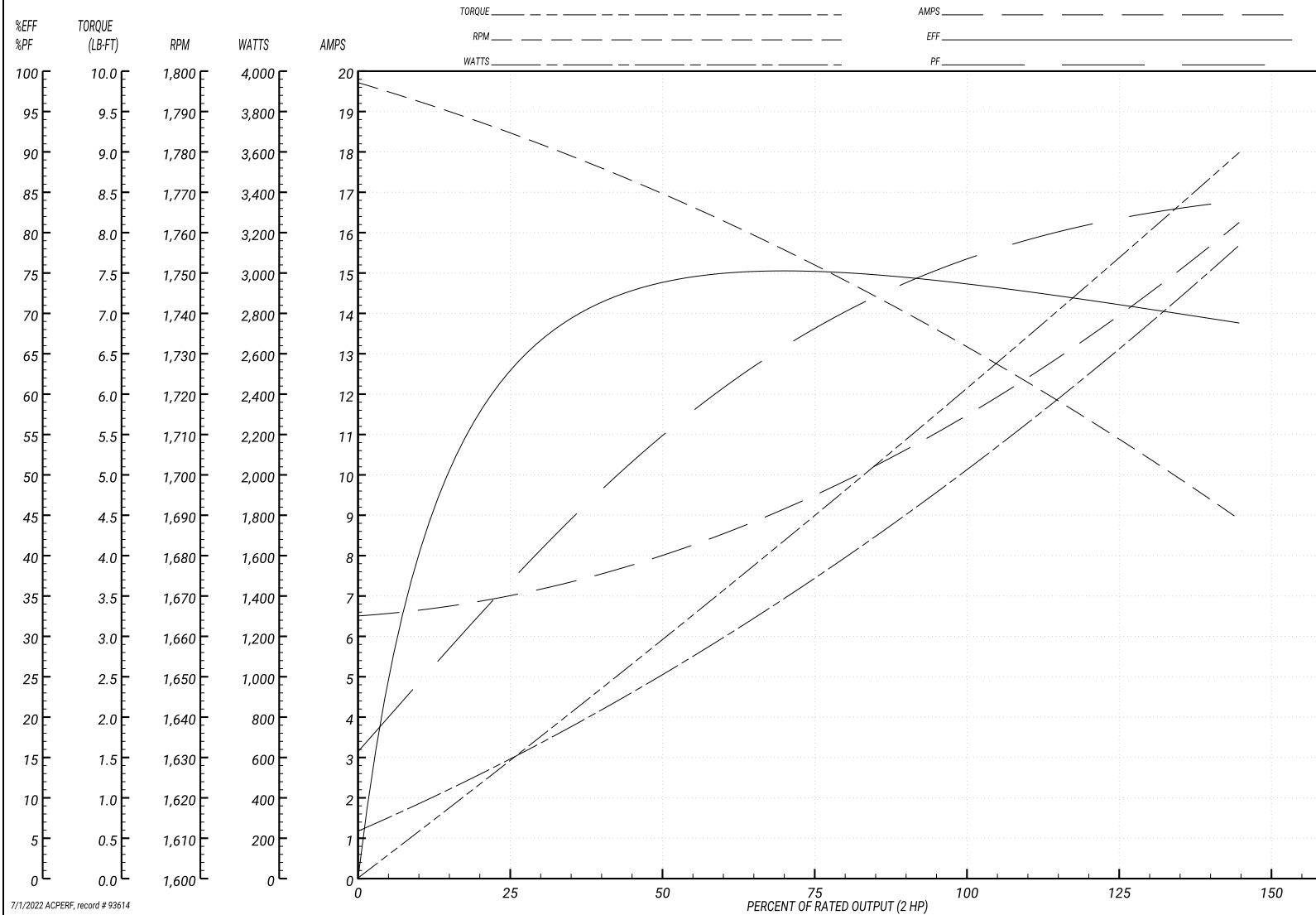
BALDOR ELECTRIC COMPANY

WINDING # 36WG0203

Typical performance - not guaranteed values.

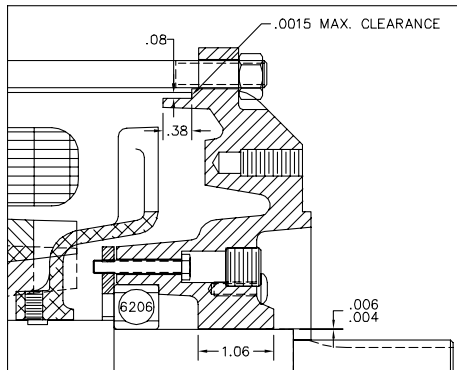
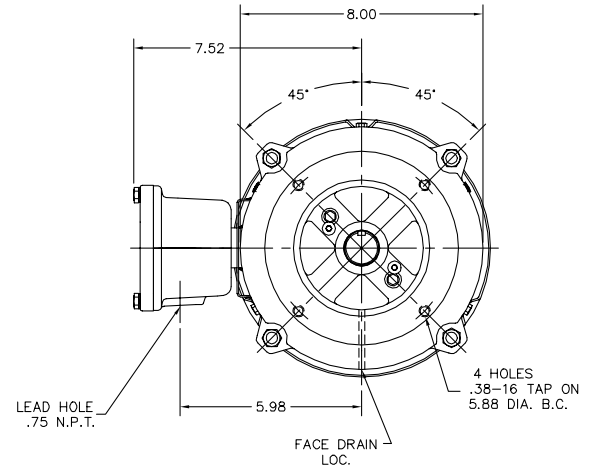
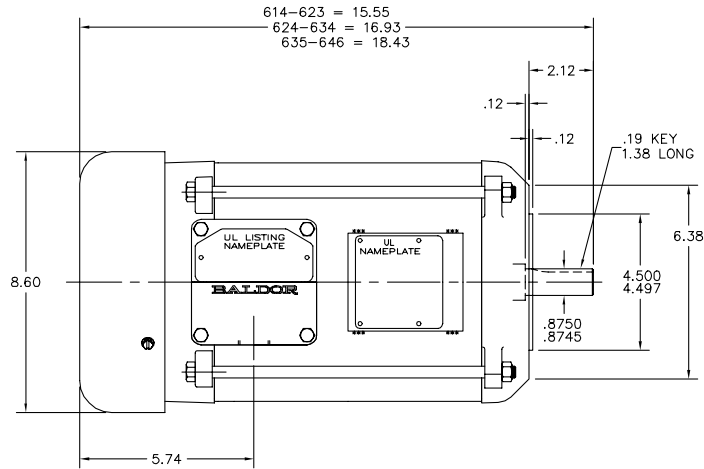
2 HP 1 PH 60 HZ 1730 RPM 230 V 3634L

TORQUES(LB-FT): PO=14.5 PU=13 LR=16.6 LRA=61



7/1/2022.ACPERF, record # 93614

36LY-000-233



PULLEY END DETAIL

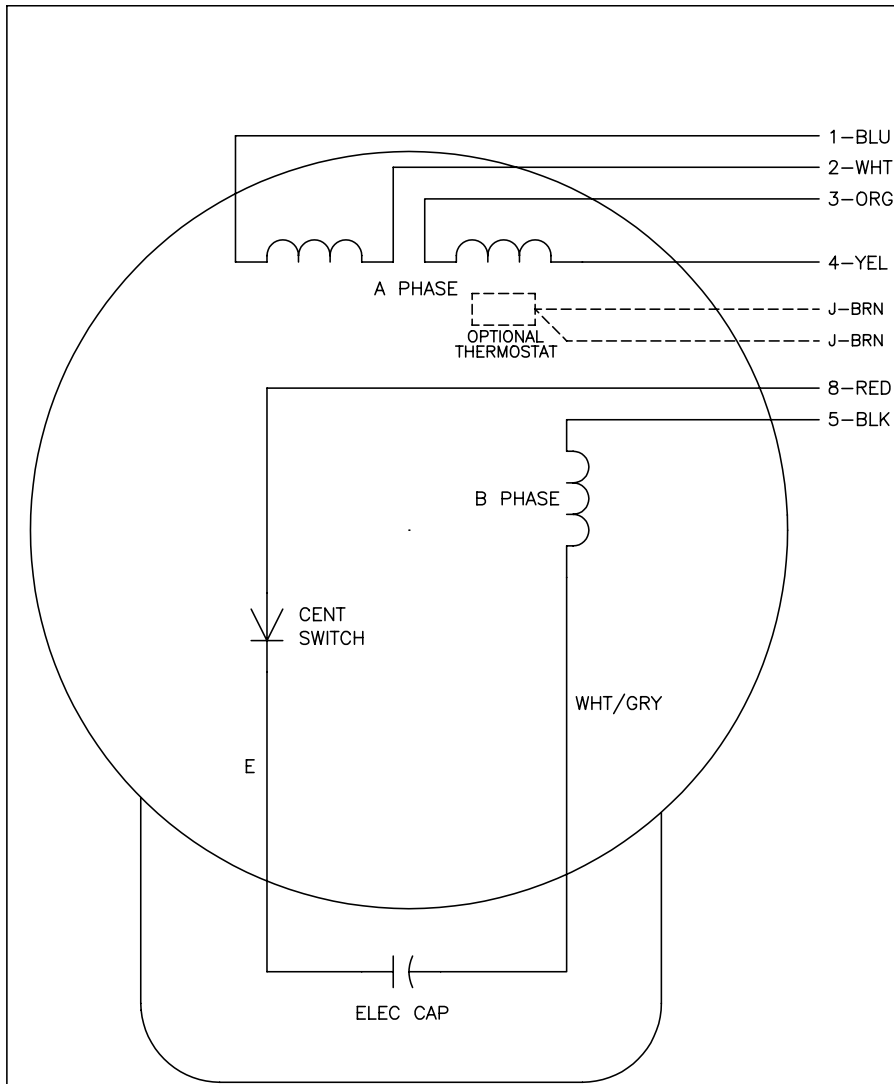
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: FIX STACK SIZES TO MATCH BAND	VERSION: 01	TDR: 000001172318
REV. LTR: A	REVISD: 08:44:27 07/07/2021	BY: USJOCUR
FILE: \AAA\00258\792		
MTL: -		

BALDOR - RELIANCE[®]
 VERT 182-4C XPFC 36L CL-I GP-D, CL-II GP-F&G
 SH 1 of 1

36LY-000-233

CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

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			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001

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<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>