BALDOR • RELIANCE

Product Information Packet

L5027T

2HP,1725RPM,1PH,60HZ,182T,X3634L,XPFC,F1

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.

Part Detail

Revision:	AJ	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	36WG0203	**CD Diagram:**	CD0001	**Mfg Plant:**	
Mech. Spec:	36N001	**Layout:**	36LYN001	**Poles:**	04	**Created Date:**	
Base:	RG	**Eff. Date:**	09-10-2015	**Leads:**	4#14 A PH,2#16 B PH		

Specs

Catalog Number:	L5027T	**Inverter Code:**	Not Inverter
Enclosure:	XPFC	**KVA Code:**	H
Frame:	182T	**Lifting Lugs:**	No Lifting Lugs
Frame Material:	Steel	**Locked Bearing Indicator:**	No Locked Bearing
Output @ Frequency:	2.000 HP @ 60 HZ	**Motor Lead Quantity/Wire Size:**	4 @ 14 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Exit:**	Ko Box
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	**Mounting Arrangement:**	F1
XP Division:	Division I	**Power Factor:**	81
Agency Approvals:	UL	**Product Family:**	General Purpose
	CSA	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	Standard
Auxillary Box Lead Termination:	None	**Pulley Shaft Indicator:**	Standard
Base Indicator:	Rigid	**Rodent Screen:**	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Shaft Extension Location:**	Pulley End
Blower:	None	**Shaft Ground Indicator:**	No Shaft Grounding
Current @ Voltage:	11.000 A @ 230.0 V	**Shaft Rotation:**	Reversible

	22.000 A @ 115.0 V
Design Code:	L
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater
Insulation Class:	B

Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	Normally Closed Thermostat
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None
XP Temp Code:	T2C

Nameplate NP0015XPSL

NO.		**CC**	
SER.			
SPEC.	36N01-203		
CAT.NO.	L5027T		
HP	2	**T. CODE**	T2C
VOLTS	115/230		
AMPS	22/11		
RPM	1725		
HZ	60	**PH** 1	**CL** B
SER.F.	1.00	**DES** L	**CODE** H
RATING	40C AMB-CONT		
FRAME	182T	**NEMA-NOM-EFF**	75
USABLE AT 208V		**PF**	81
BLANK			

Parts List

Part Number	Description	Quantity
SA037277	SA 36N01-203	1.000 EA
RA033302	RA 36N01-203	1.000 EA
EC1400A03SP	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
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP3700A01	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3701A01	PU ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
36FH4009A02	FAN COVER FOR VM7042T,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	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
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA

Parts List (continued)

Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAST, 789.229, DARK CHARCOAL GRAY	0.022 GA
HA3105A06	THRUBOLT- 3/8-16 X 10.500 X	4.000 EA
SP5172A39	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0081	CONNECTION LABEL X	1.000 EA
NP0015XPSL	SS XP UL CSA CC CL-I GP-D	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 20850 - Typical performance - not guaranteed values

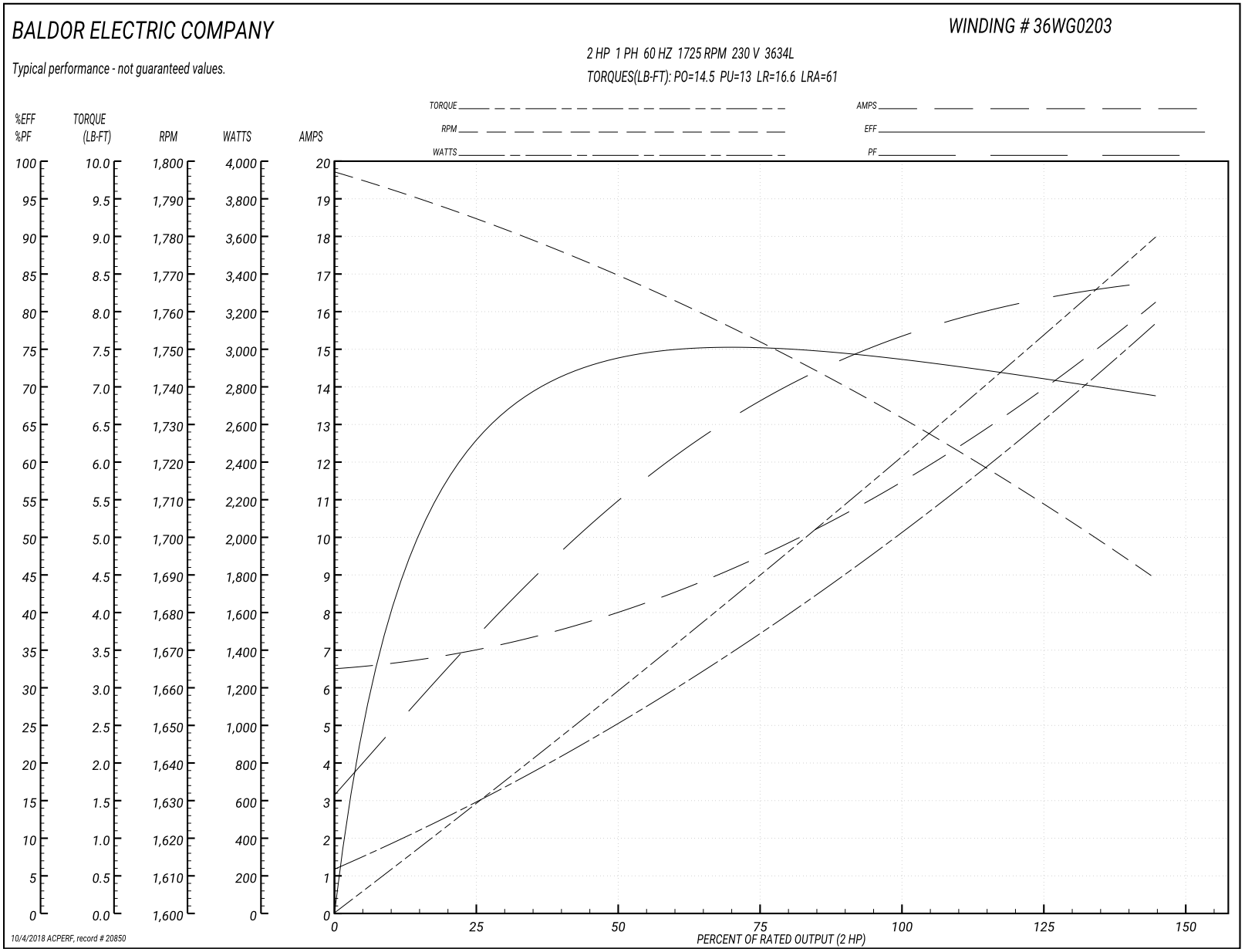
Winding: 36WG0203-R002	**Type:** 3634L	**Enclosure:** XPFC

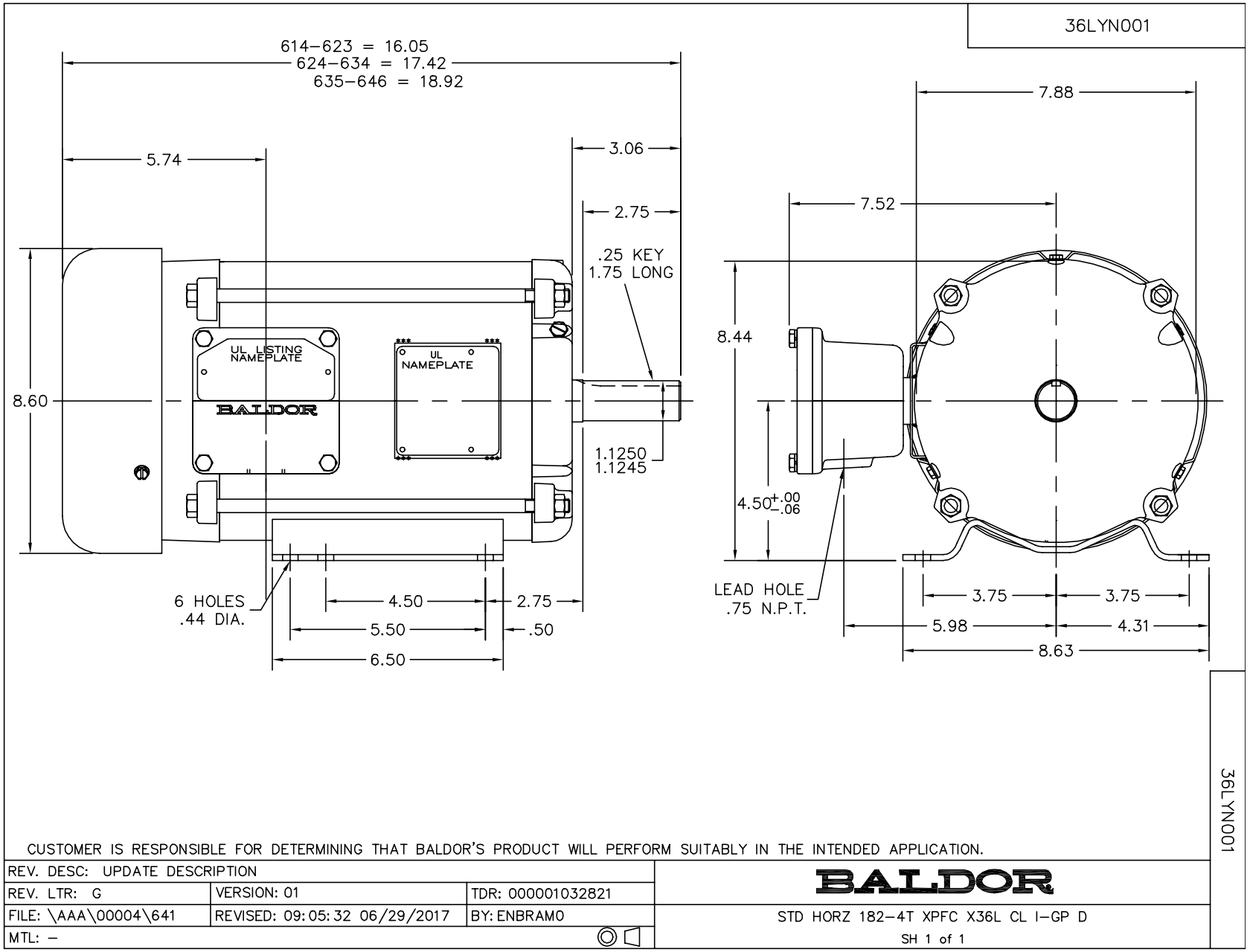
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	22/11			Breakdown Torque	14.5 LB-FT
R.P.M.	1725			Pull-up Torque	13 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	16.6 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	61 A
Service Factor (S.F.)	1			No-load Current	6.5 A
NEMA Nom. Eff.	75	Power Factor	81	Line-line Res. @ 25ºC	0.244 Ω A Ph 0.632 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C

Load Characteristics 230 V, 60 Hz, 2 HP

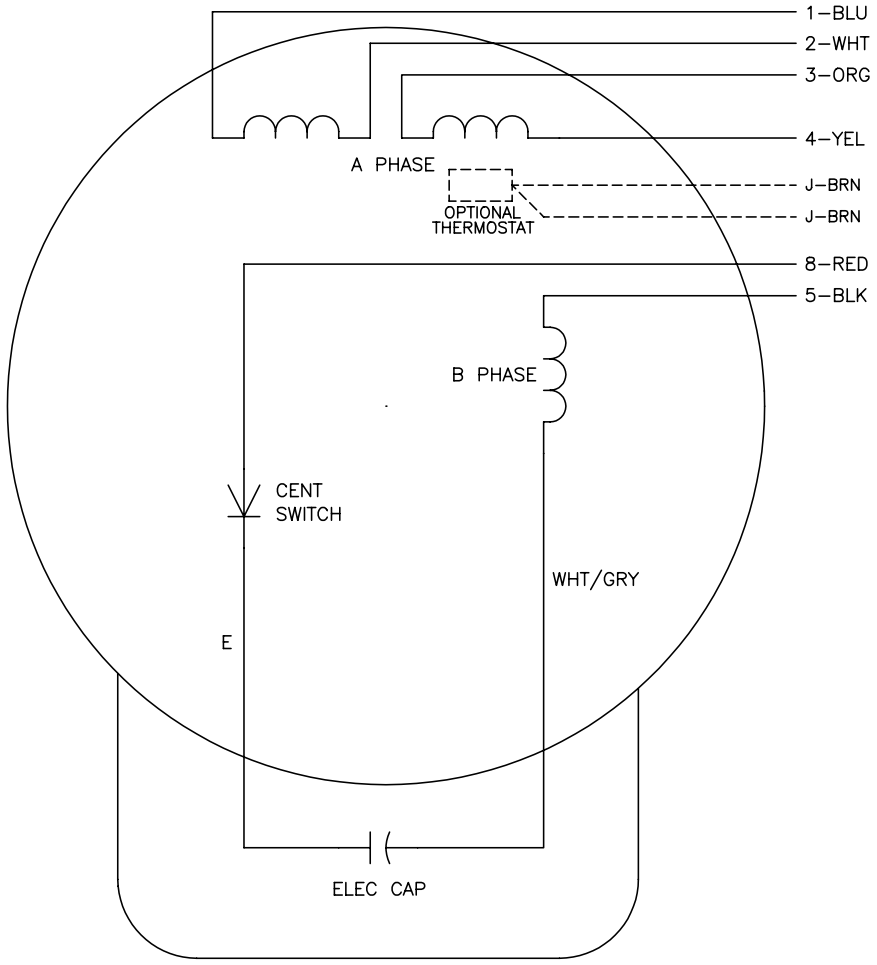
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	58	69	76	80	81	78
Efficiency	63.1	72.3	74.3	75	72	68.3	73.2
Speed	1783	1769	1753	1733	1711	1689	1720
Line amperes	7	8.05	9.7	11	13.9	16.2	12.74

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




36LYN001
614–623 = 16.05
624–634 = 17.42
635–646 = 18.92
5.74
3.06
2.75
.25 KEY
1.75 LONG
8.60
UL LISTING NAMEPLATE
UL NAMEPLATE
BALDOR
1.1250
1.1245
6 HOLES
.44 DIA.
4.50
2.75
5.50
.50
6.50
7.88
7.52
8.44
4.50 +.00 -.06
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.98
4.31
8.63
36LYN001
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: UPDATE DESCRIPTION
REV. LTR: G
VERSION: 01
TDR: 000001032821
FILE: \AAA\00004\641
REVISED: 09:05:32 06/29/2017
BY: ENBRAM0
MTL: –
BALDOR
STD HORZ 182–4T XPFC X36L CL I–GP D
SH 1 of 1

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			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS

CD0001