

BALDOR® • RELIANCE

Product Information Packet

CL5004A-50

.5HP,1425RPM,1PH,50HZ,56C,X3428L,XPFC,F1

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428L	Elec. Spec:	34WGW776	CD Diagram:	CD0565
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	34-5328	Layout:	34LY5328
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-23-2016
Leads:	6#18,1#16 4-YEL					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0016XPSL

NO.		CC	
SER.			
SPEC.	34-5328W776		
CAT.NO.	CL5004A-50		
HP	.5	T. CODE	T3C
VOLTS	110/220		
AMPS	7.2/3.6		
RPM	1425		
HZ	50	PH	1
SER.F.	1.00	DES	N
RATING	40C AMB-CONT		
FRAME	56C	CL	B
USABLE AT 208V		CODE	J
BLANK		NEMA-NOM-EFF	62
		PF	76

Parts List		
Part Number	Description	Quantity
SA008987	SA 34-5328W776	1.000 EA
RA005434	RA 34-5328W776	1.000 EA
TPMRJ57RX	THERMAL 1PH 0.75 AUT 120C	1.000 EA
EC1130A08SP	ELEC CAP 115V 1.125X2.750 X	2.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 EA
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3705A01SP	PU ENDPLATE, MACH	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	8.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
MG1025G29	WILKOFEST, 789.229, DARK CHARCOAL GRAY	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
SP5036A01	STAT. SWITCH ASSY. MODEL 34 TYPE L OR S	1.000 EA
HA3104A19	5/16-18 X 9.750 THRU BOLT OHIO	4.000 EA
LC0008	CONNECTION LABEL	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	7.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
35PA1007	PKG GRP, PRINT PK1034A06	1.000 EA

AC Induction Motor Performance Data

Record # 7095 - Typical performance - not guaranteed values

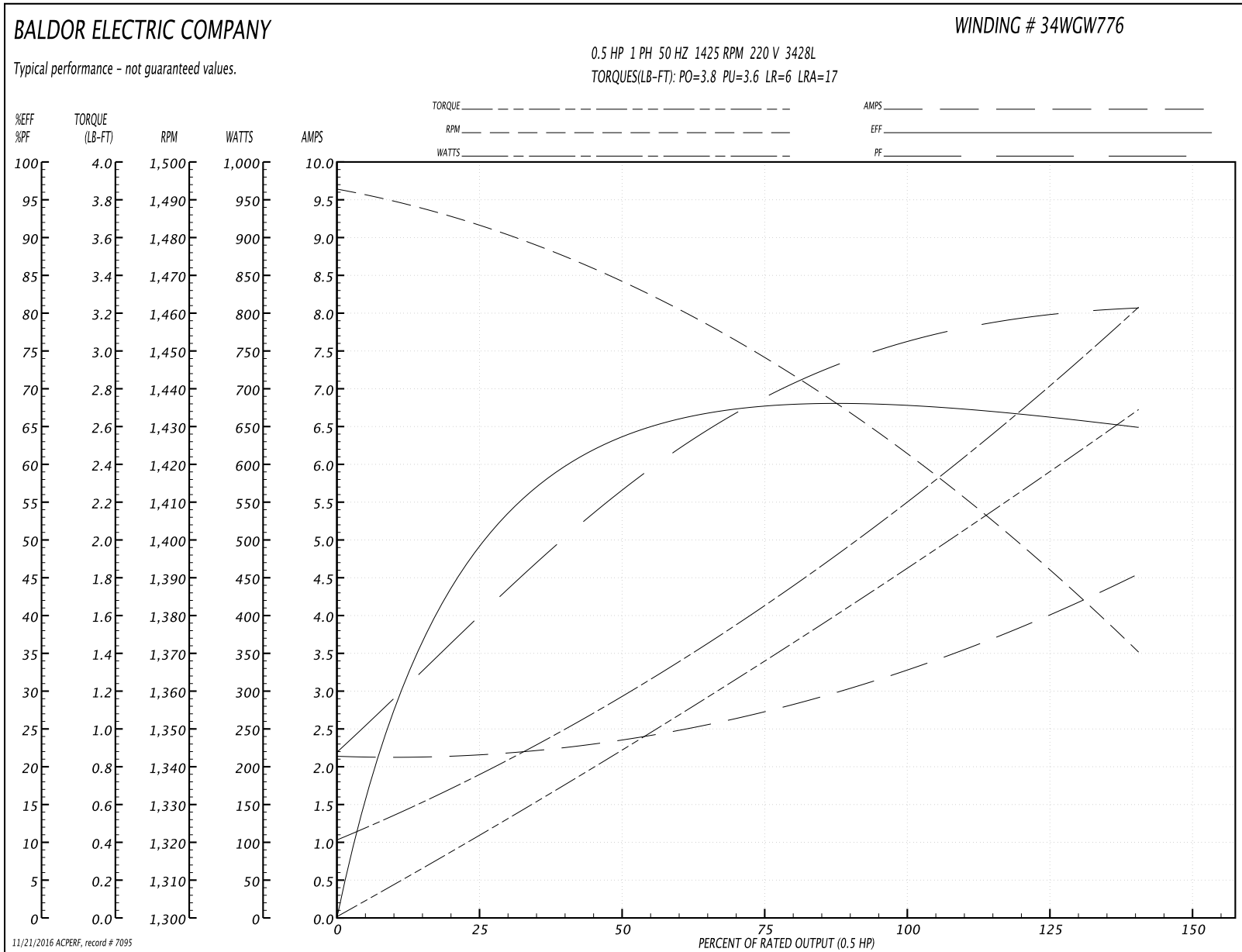
Winding: 34WGW776-R001	Type: 3428L	Enclosure: TEFC
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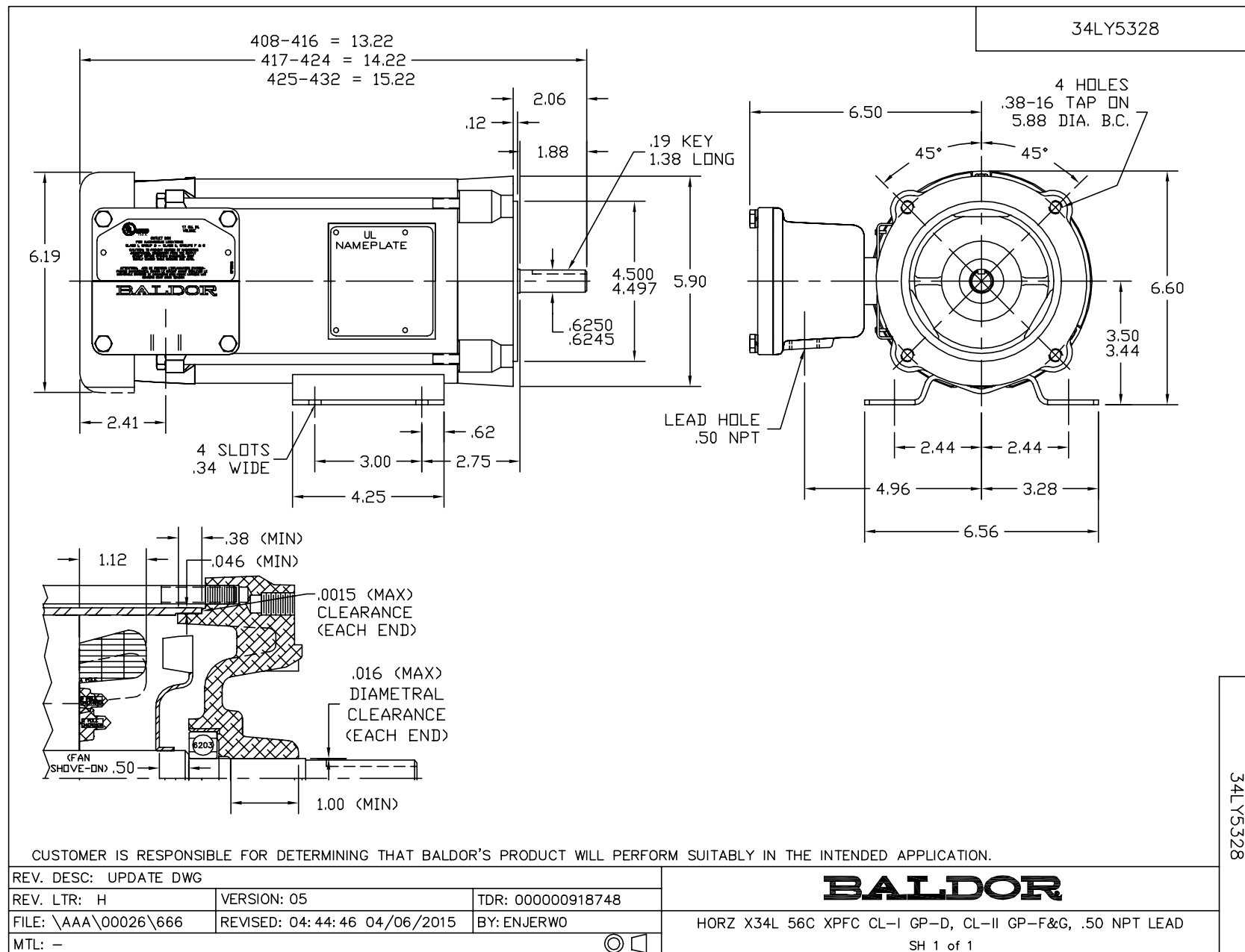
Nameplate Data				220 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.8 LB-FT
Volts	110/220			Start Configuration	direct on line
Full Load Amps	7.2/3.6			Breakdown Torque	3.8 LB-FT
R.P.M.	1425			Pull-up Torque	3.6 LB-FT
Hz	50	Phase	1	Locked-rotor Torque	6 LB-FT
NEMA Design Code	N	KVA Code	J	Starting Current	17 A
Service Factor (S.F.)	1			No-load Current	2.1 A
NEMA Nom. Eff.	62	Power Factor	76	Line-line Res. @ 25°C	5 Ω A Ph 4.03 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C

Load Characteristics 220 V, 50 Hz, 0.5 HP

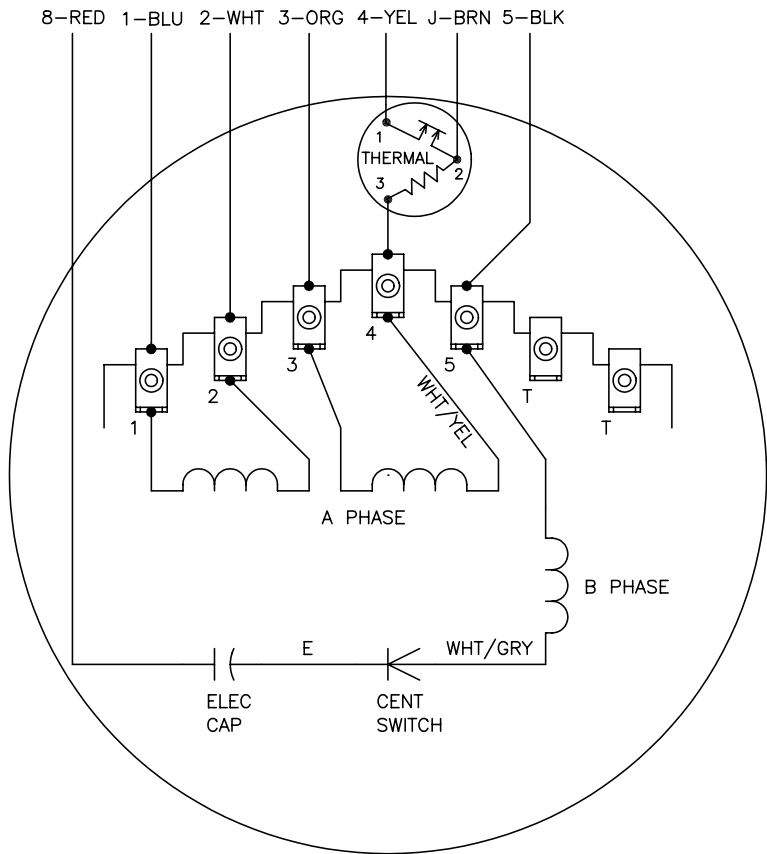
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	57	69	77	82	85	0
Efficiency	48	62.2	67.5	68.8	67.6	64.2	0
Speed	1481	1466	1448	1428	1402	1367	0
Line amperes	2.2	2.4	2.7	3.2	3.8	4.6	3.8

Performance Graph at 220V, 50Hz, 0.5HP Typical performance - Not guaranteed values





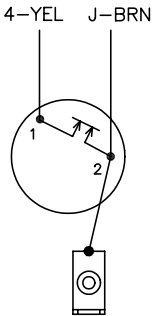
CD0565



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

CONNECTIONS FOR TWO-TERMINAL THERMAL



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 04/08/99 3:25	TDR: 0178636
999000		FILE: AAA00014311	MDL: —
CD0565		MTL: —	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LD, 34XP

CD0565