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BALDOR • RELIANCE

Product Information Packet

L5004A

.5HP,1725RPM,1PH,60HZ,56,X3424L,XPFC,F1

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Part Detail

Revision:	AC	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	34WGW369	**CD Diagram:**	CD0565	**Mfg Plant:**	
Mech. Spec:	34-5322	**Layout:**	34LY5322	**Poles:**	04	**Created Date:**	
Base:	RG	**Eff. Date:**	11-08-2018	**Leads:**	6#18,1#16 #4TH		

Specs

Catalog Number:	L5004A	**Insulation Class:**	B
Enclosure:	XPFC	**Inverter Code:**	Not Inverter
Frame:	56	**KVA Code:**	J
Frame Material:	Steel	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	.500 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	6 @ 18 AWG
Voltage @ Frequency:	115.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	208.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	230.0 V @ 60 HZ	**Motor Type:**	3424L
XP Class and Group:	CLI GP D; CLII GP F,G	**Mounting Arrangement:**	F1
XP Division:	Division I	**Power Factor:**	66
Agency Approvals:	UR	**Product Family:**	General Purpose
	UL	**Pulley End Bearing Type:**	Ball
	CSA	**Pulley Face Code:**	Standard
Auxillary Box:	No Auxillary Box	**Pulley Shaft Indicator:**	Standard
Auxillary Box Lead Termination:	None	**Rodent Screen:**	None
Base Indicator:	Rigid	**RoHS Status:**	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Shaft Extension Location:**	Pulley End

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Blower:	None
Current @ Voltage:	3.700 A @ 230.0 V
	3.900 A @ 208.0 V
	7.400 A @ 115.0 V
Design Code:	N
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

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	Automatic Thermal Overload
Winding Thermal 1 Location:	EP
Winding Thermal 2:	None
XP Temp Code:	T3C

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Nameplate NP0016XPSL

NO.		CC	
SER. #			
SPEC	34-5322W369		
CAT.NO.	L5004A		
H.P.	.5	T. CODE	T3C
VOLTS	115/208-230		
AMPS	7.4/3.9-3.7		
R.P.M.	1725		
HZ	60	PH 1	CLASS B
SER.F.	1.00	DES N	CODE J
RATING	40C AMB-CONT		
FRAME	56	NEMA NOM. EFF	64
USABLE AT 208V	3.9	PF	66
BLANK			

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Parts List

Part Number	Description	Quantity
SA008944	SA 34-5322W369	1.000 EA
RA005391	RA 34-5322W369	1.000 EA
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
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 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
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3704A01	PU ENDPLATE, MACH XP	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 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
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	2.000 EA
NS2500A05	INSULATOR, AUTO THER PROT	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
MG1025G29	WILKOFAST, 789.229, DARK CHARCOAL GRAY	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
TPMRJ38RX	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
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	6.000 EA
SP5036A01	STAT. SWITCH ASSY. MODEL 34 TYPE L OR S	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	8.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

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AC Induction Motor Performance Data

Record # 48773 - Typical performance - not guaranteed values

Winding: 34WGW369-R001	**Type:** 3424L	**Enclosure:** XPFC

Nameplate Data			
Rated Output (HP)	.5		
Volts	115/208-230		
Full Load Amps	7.4/3.9-3.7		
R.P.M.	1725		
Hz	60	Phase	1
NEMA Design Code	N	KVA Code	J
Service Factor (S.F.)	1		
NEMA Nom. Eff.	64	Power Factor	66
Rating - Duty	40C AMB-CONT		

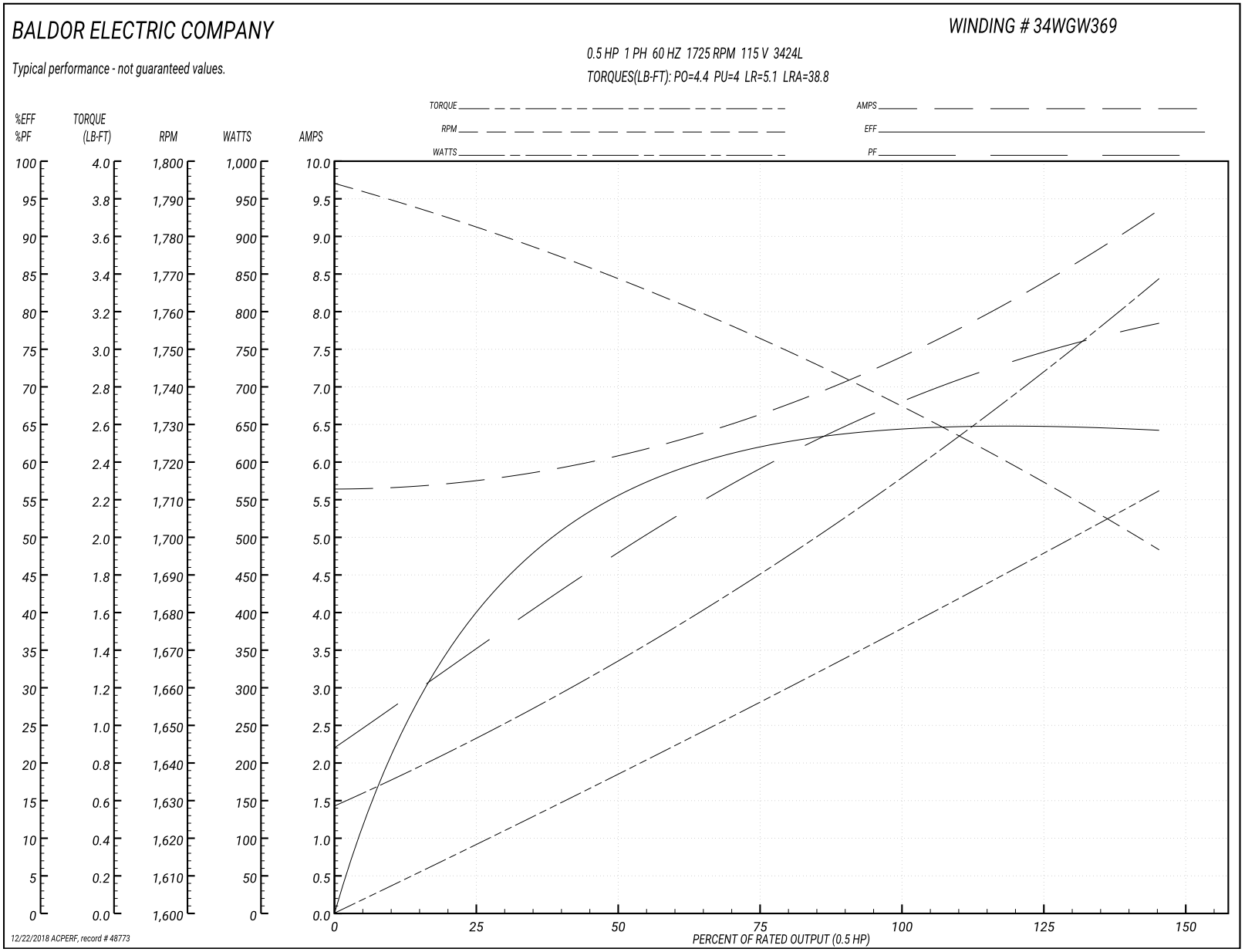
115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	1.5 LB-FT
Start Configuration	direct on line
Breakdown Torque	4.4 LB-FT
Pull-up Torque	4 LB-FT
Locked-rotor Torque	5.1 LB-FT
Starting Current	38.8 A
No-load Current	5.62 A
Line-line Res. @ 25ºC	0.913 Ω A Ph 2.88 Ω B Ph
Temp. Rise @ Rated Load	61°C
Locked-rotor Power Factor	89.3
Rotor inertia	0.057 LB-FT2

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	37	48	59	67	74	79
Efficiency	38.9	55.3	62.3	64.9	65.3	63.8
Speed	1781	1768	1753	1736	1717	1696
Line amperes	5.78	6.12	6.62	7.38	8.26	9.38

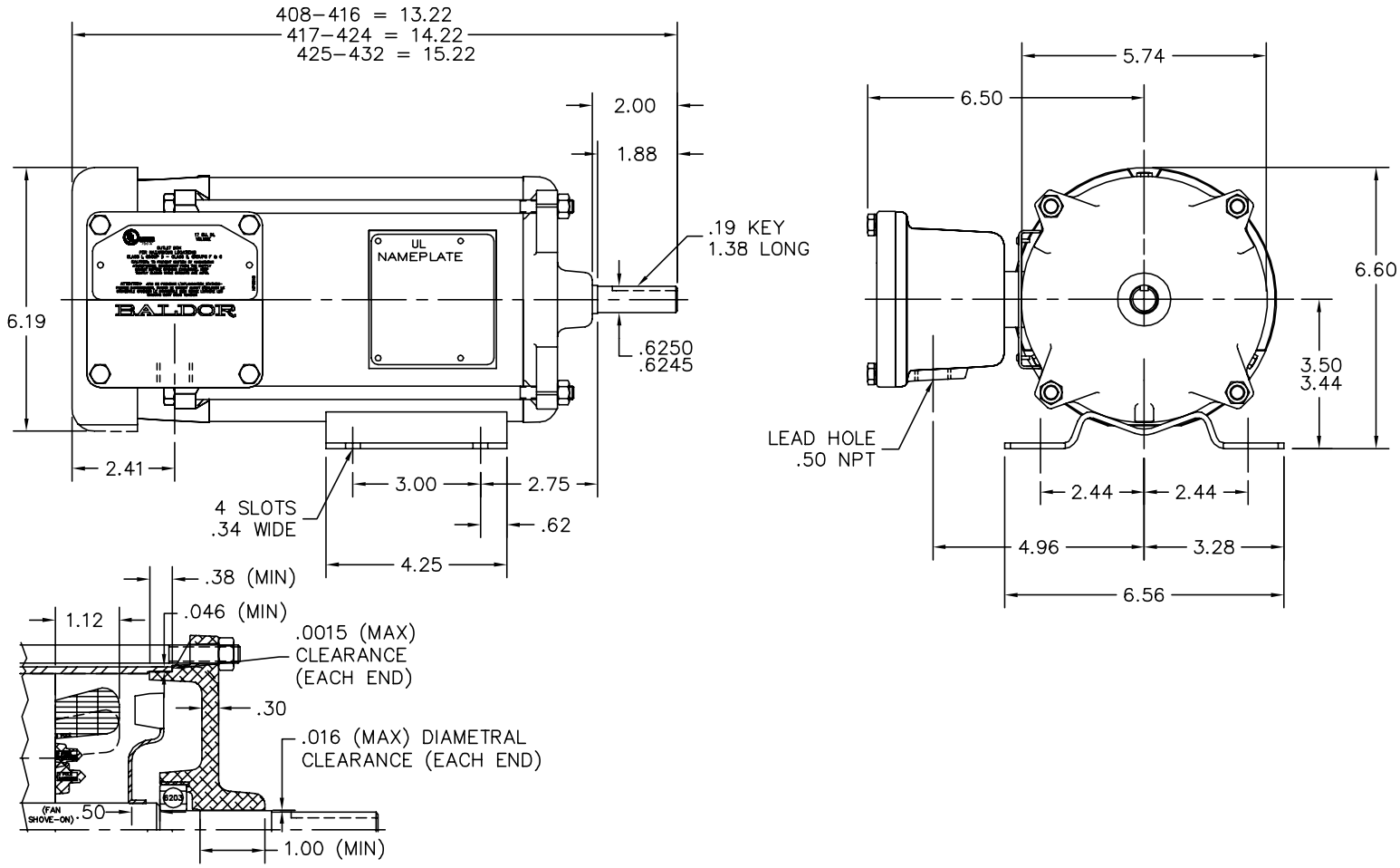
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Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values



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34LY5322



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

REV. DESC: UPDATE DWG		
REV. LTR: G	VERSION: 04	TDR: 000000918748
FILE: \AAA\00026\664	REVISED: 03:33:23 04/06/2015	BY: ENJERWO
MTL: –		

BALDOR

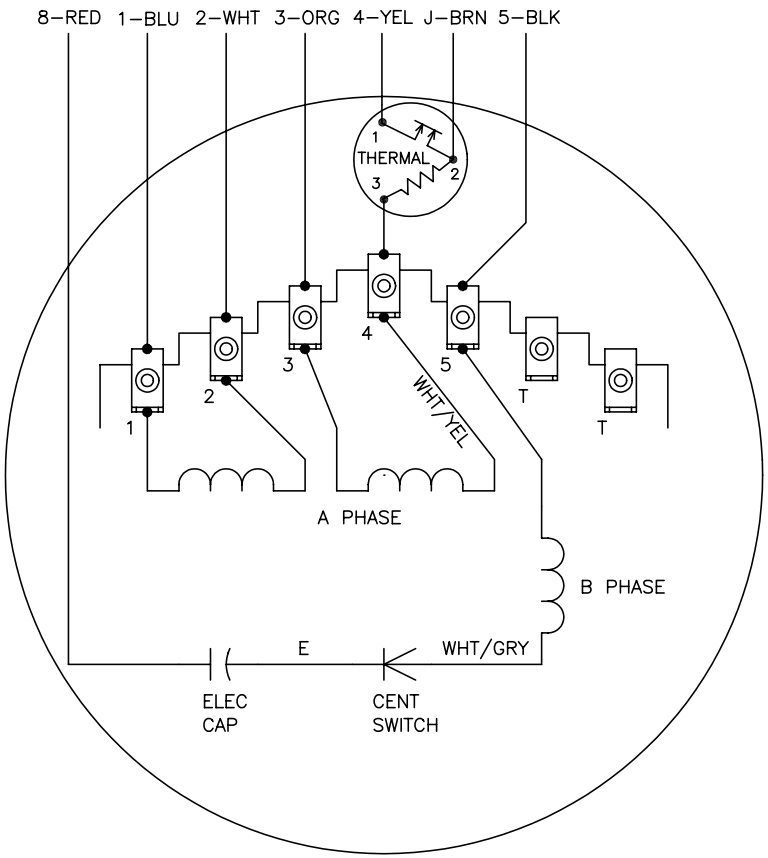
HORZ X34L 56 XPFC CL–I GP–D, CL–II GP–F&G, .50 NPT LEAD

SH 1 of 1

34LY5322

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CD0565

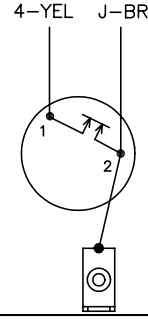


	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J.8
LOW STD	1,3,8	4	–	2,J,5
LOW OPP	1,3,5	4	–	2,J,8

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
CD0565		FILE: AAA00014311	MDL: –
		MTL: –	

BALDOR ELECTRIC Co.

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

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