

**BALDOR® • RELIANCE** 

**Product Information Packet**

**L5030T**

**1.5HP,3450RPM,1PH,60HZ,143T,X3528L,XPFC**

Part Detail							
Revision:	AR	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WG0199	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	35E361	Layout:	35LYE361	Poles:	02	Created Date:	06-27-2007
Base:	RG	Eff. Date:	05-30-2018	Leads:	4#16 A PH,2#18 B PH		

Specs			
Catalog Number:	L5030T	Insulation Class:	B
Enclosure:	XPFC	Inverter Code:	Not Inverter
Frame:	143T	KVA Code:	H
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 16 AWG, A PH
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:	3528L
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	82
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)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

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<b>Current @ Voltage:</b>	15.000 A @ 115.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	7.500 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	7.900 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	L	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	NONE (OLD)
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	Normally Closed Thermostat
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 2:</b>	None
		<b>XP Temp Code:</b>	T3C

<b>Nameplate NP1426XPSL</b>	
NO.	[ ] CC [ ]
SER.	[ ]
SPEC.	35E361-199
CAT.NO.	L5030T
HP	1.5 T. CODE T3C
VOLTS	115/208-230
AMPS	15/7.9-7.5
RPM	3450
HZ	60 PH 1 CL B
SER.F.	1.00 DES L CODE H
RATING	40C AMB-CONT
FRAME	143T NEMA-NOM-EFF 70
USABLE AT 208V	7.9 PF 82
BLANK	[ ]

Parts List		
Part Number	Description	Quantity
SA023953	SA 35E361-199	1.000 EA
RA020003	RA 35E361-199	1.000 EA
EC1324A02	ELEC CAP, 324-389 MFD, 125V, 1.48D X 3.	2.000 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
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3701A01	PU ENDPLATE, XPFC - 205 BRG	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	8.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.014 GA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
SP5055A11	MODEL 35 TYPE L STATIONARY SWITCH WITH L	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0081	CONNECTION LABEL X	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

**AC Induction Motor Performance Data**

Record # 8048 - Typical performance - not guaranteed values

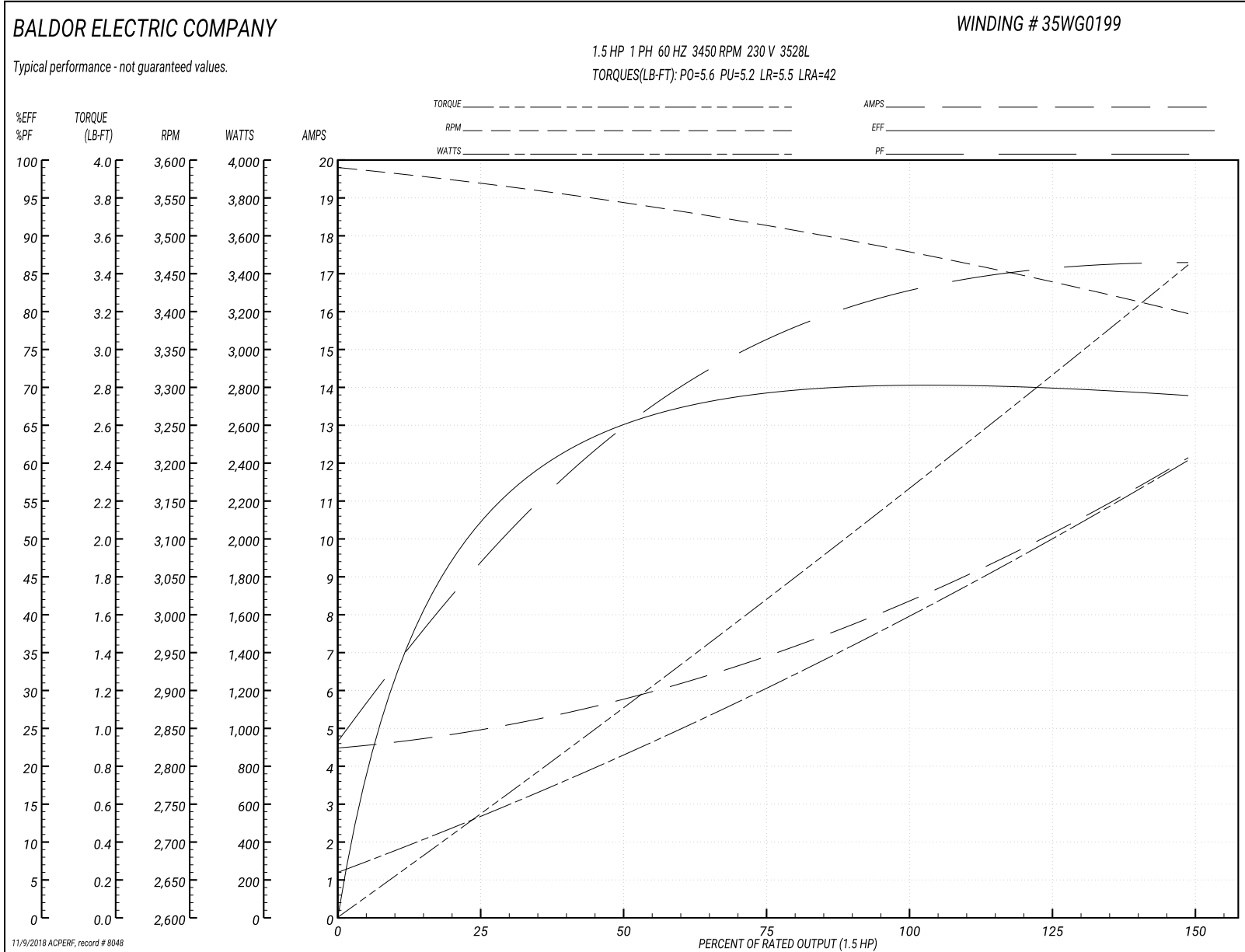
<b>Winding:</b> 35WG0199-R007	<b>Type:</b> 3528L	<b>Enclosure:</b> XPFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	15/7.9-7.5			Breakdown Torque	5.6 LB-FT
R.P.M.	3450			Pull-up Torque	5.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.5 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	42 A
Service Factor (S.F.)	1			No-load Current	4.5 A
NEMA Nom. Eff.	70	Power Factor	82	Line-line Res. @ 25°C	1.26 Ω A Ph 1.23 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

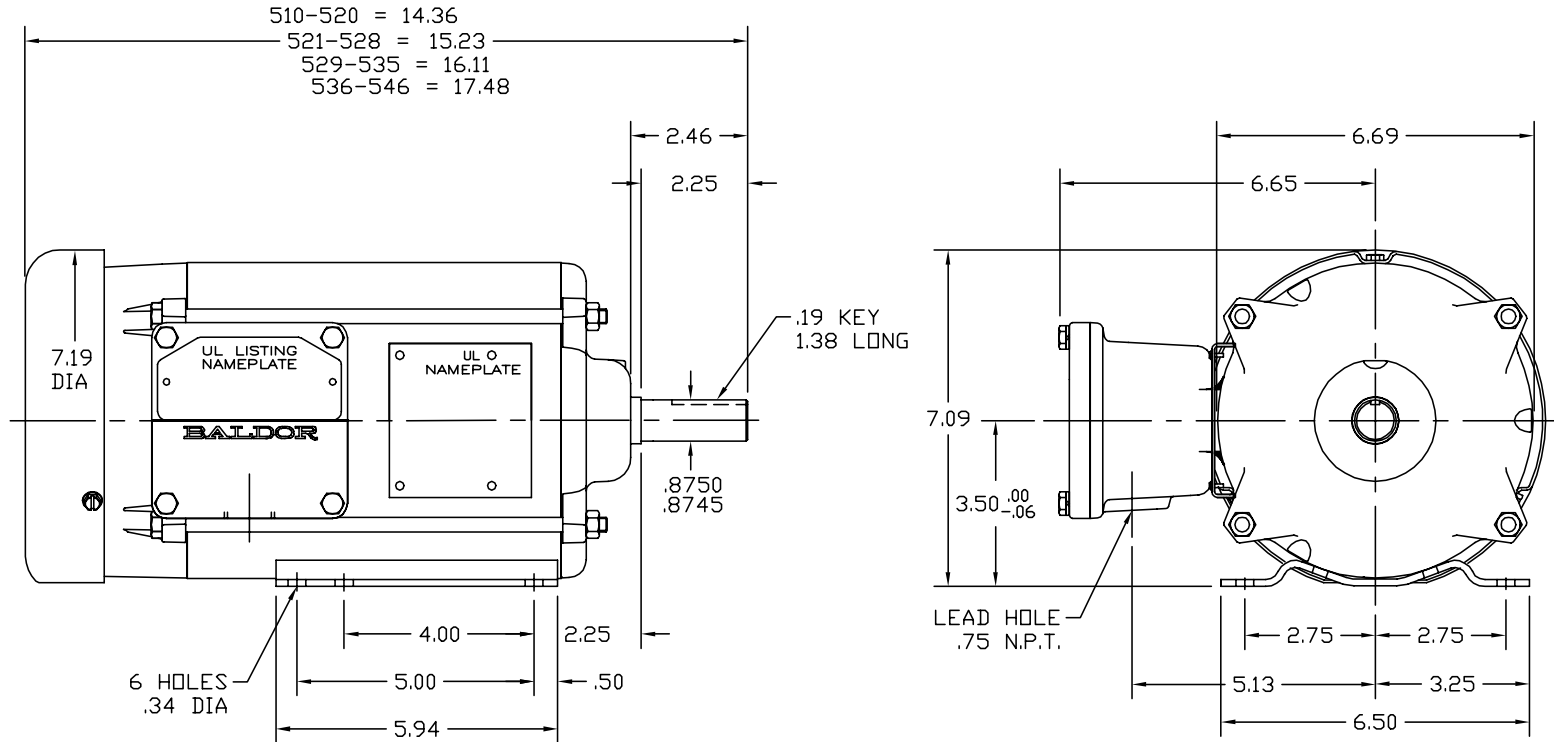
% of Rated Load	25	50	75	100	125	150
Power Factor	47	64	73	80	84	86
Efficiency	51.9	65.3	68.4	71.2	70.6	68.4
Speed	3567	3541	3514	3475	3439	3397
Line amperes	5	5.8	6.9	8.6	10.2	12.1

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values





35LYE361



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: REVISE TO UPDATE INTERNAL GRAPHICS		
REV. LTR: F	VERSION: 01	TDR: 000000455115
35LYE361	FILE: \AAA\00014\058	REVISED: 10: 47: 41 01/30/2008
	MTL: -	BY: ENMARW1

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STD HORZ XPFC X35L 143-5T W/T\*STAT CL I-D,II-F&G

SH 1 of 1

35LYE361

CD0001



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