

ABB BALDOR RELIANCE III

Customer information packet

L5030T

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

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	143T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 208.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	7.900 A @ 208.0 V 7.500 A @ 230.0 V 15.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AW
Type	AC
Mech. spec.	35E361
Base	
Status	PRD/A
Elec. spec.	35WG0199
Layout	35LYE361
Eff. date	05-31-2024
CD Diagram	CD0001
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	06-27-2007

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	7.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.23 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
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

Nameplate

NP1426XPSL									
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
		PF	82						
BLANK									

AC Induction Motor Performance Data

Record # 8048

Typical performance - not guaranteed values

Winding: 35WG0199-R007			Type: 3528L		Enclosure: XPFC	
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	Starting Current		42 A
Service Factor (S.F.)		1		No-load Current		4.5 A
NEMA Nom. Eff.		70	Power Factor	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

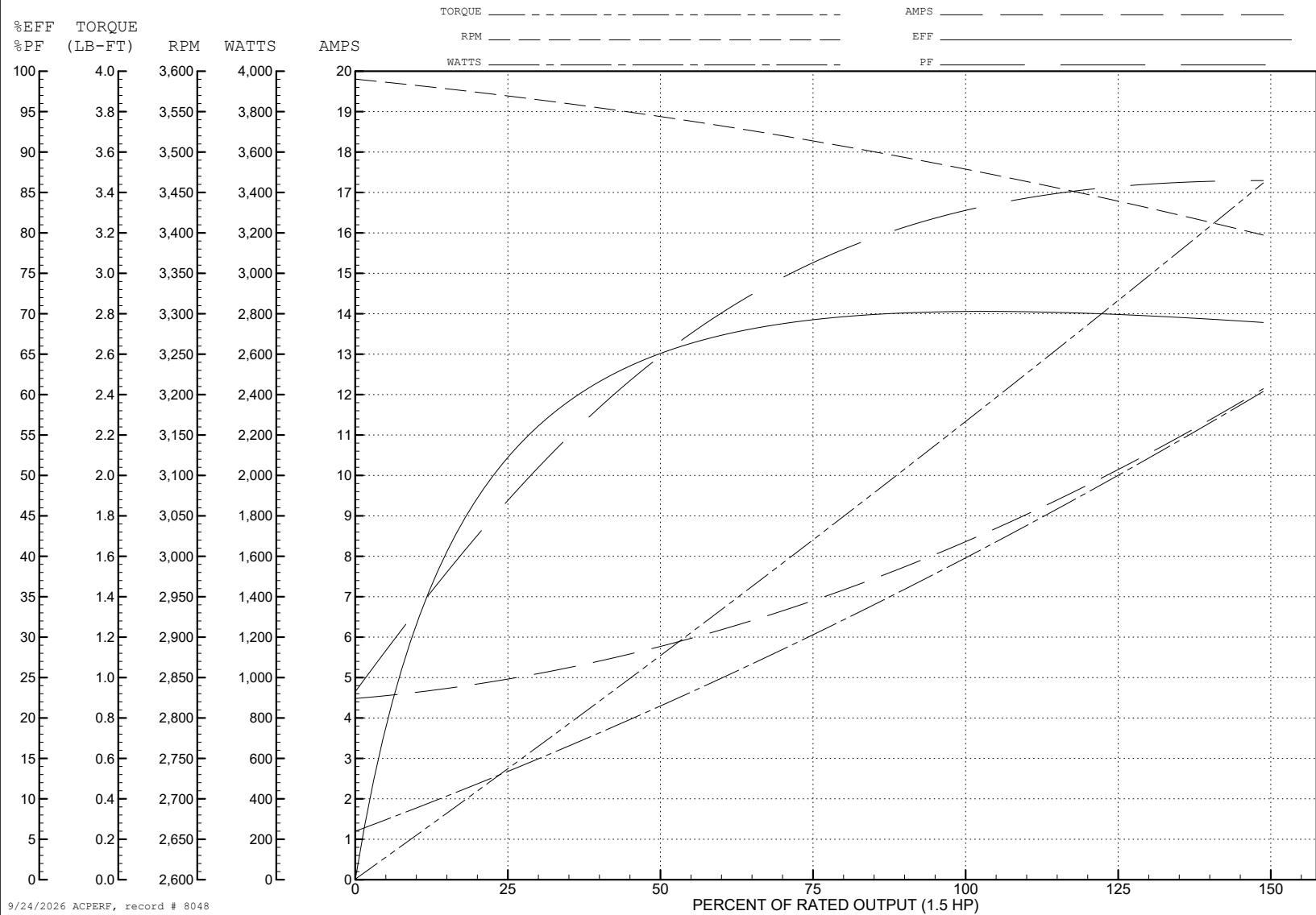
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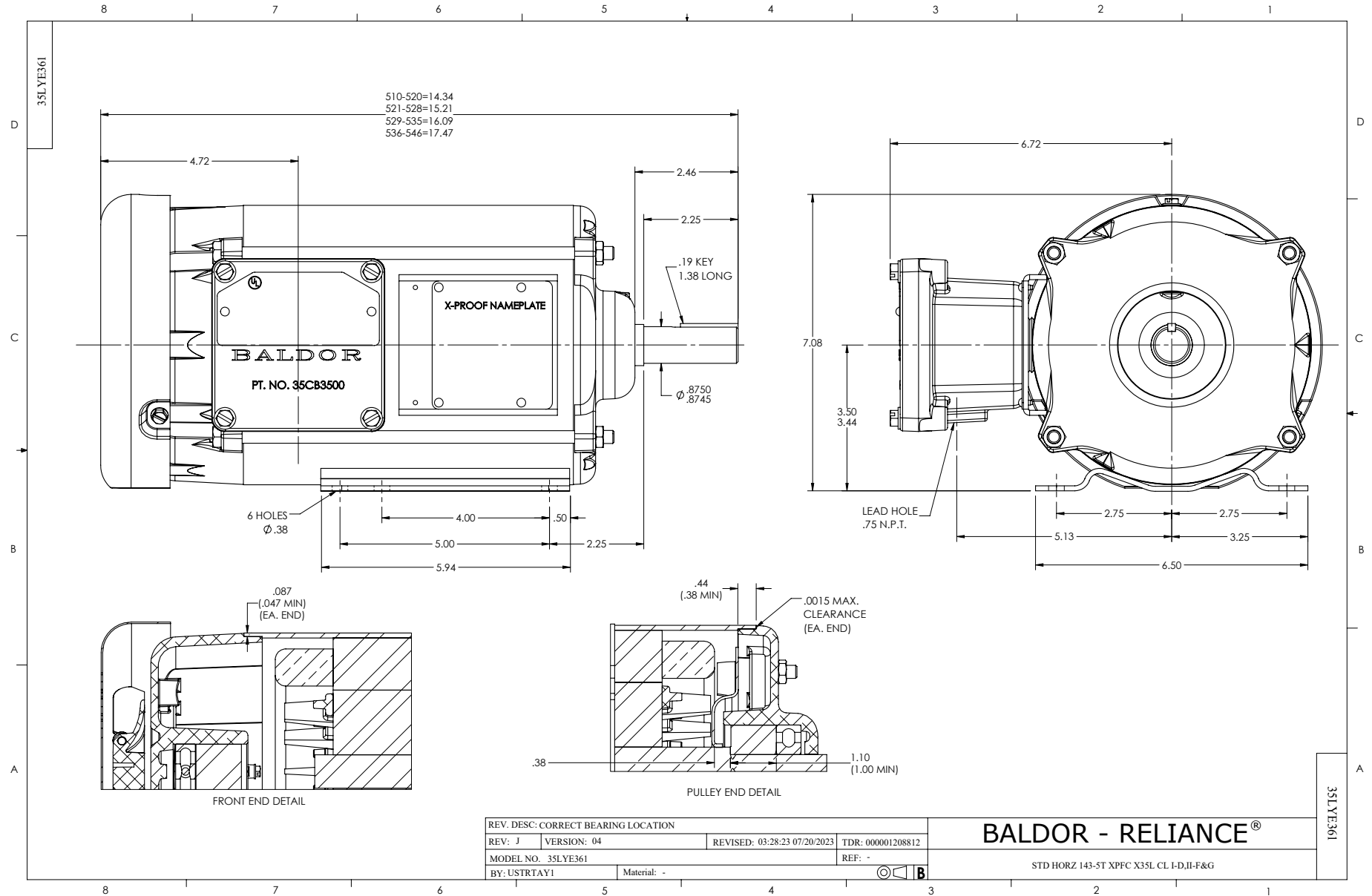
WINDING # 35WG0199

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 3450 RPM 230 V 3528L

TORQUES (LB-FT): PO=5.6 PU=5.2 LR=5.5 LRA=42





CD0001

