

ABB BALDOR RELIANCE III

Customer information packet

VXL051522

1.5HP, 3450RPM, 1PH, 60HZ, 56C, 3530L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
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 115.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	16.000 A @ 115.0 V 8.000 A @ 230.0 V 8.500 A @ 208.0 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
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WG0093
Layout	35LYE371
Eff. date	09-18-2024
CD Diagram	CD0001
Poles	02/02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	04-14-2021

High Voltage Full Load Amps	8.0 a
Insulation Class	F
IP Rating	NONE
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3530L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.03 IN
Power Factor	82
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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.	35-0000-1105								
CAT.NO.	VXL051522								
HP	1.5		T. CODE		T3C				
VOLTS	115/208-230								
AMPS	16/8.5-8								
RPM	3450								
HZ	60		PH	1	CL	F			
SER.F.	1.15		DES	L	CODE		J		
RATING	40C AMB-CONT								
FRAME	56C		NEMA-NOM-EFF					70	
		PF	82						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 87244

Typical performance - not guaranteed values

Winding: 35WG0199-R007				Type: 3528L		Enclosure: XPFC	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		2.282 LB-FT	
Volts		115/208-230		Start Configuration		Unknown	
Full Load Amps		15/7.9-7.5		Breakdown Torque		6.56 LB-FT	
R.P.M.		3450		Pull-up Torque		4.82 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		7.25 LB-FT	
NEMA Design Code		L	KVA Code	H	Starting Current		104 A
Service Factor (S.F.)		1		No-load Current		8.68 A	
NEMA Nom. Eff.		70	Power Factor	82	Line-line Res. @ 25°C		1.3569 Ω A Ph 1.2102 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		72°C	

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	51	66	76	83	85	87
Efficiency	50.7	64.9	70.6	71.5	71.8	70.8
Speed	3572.2	3550.8	3527.2	3478	3472	3437.1
Line amperes	9.61	11.5	13.9	16.38	20.2	23.7

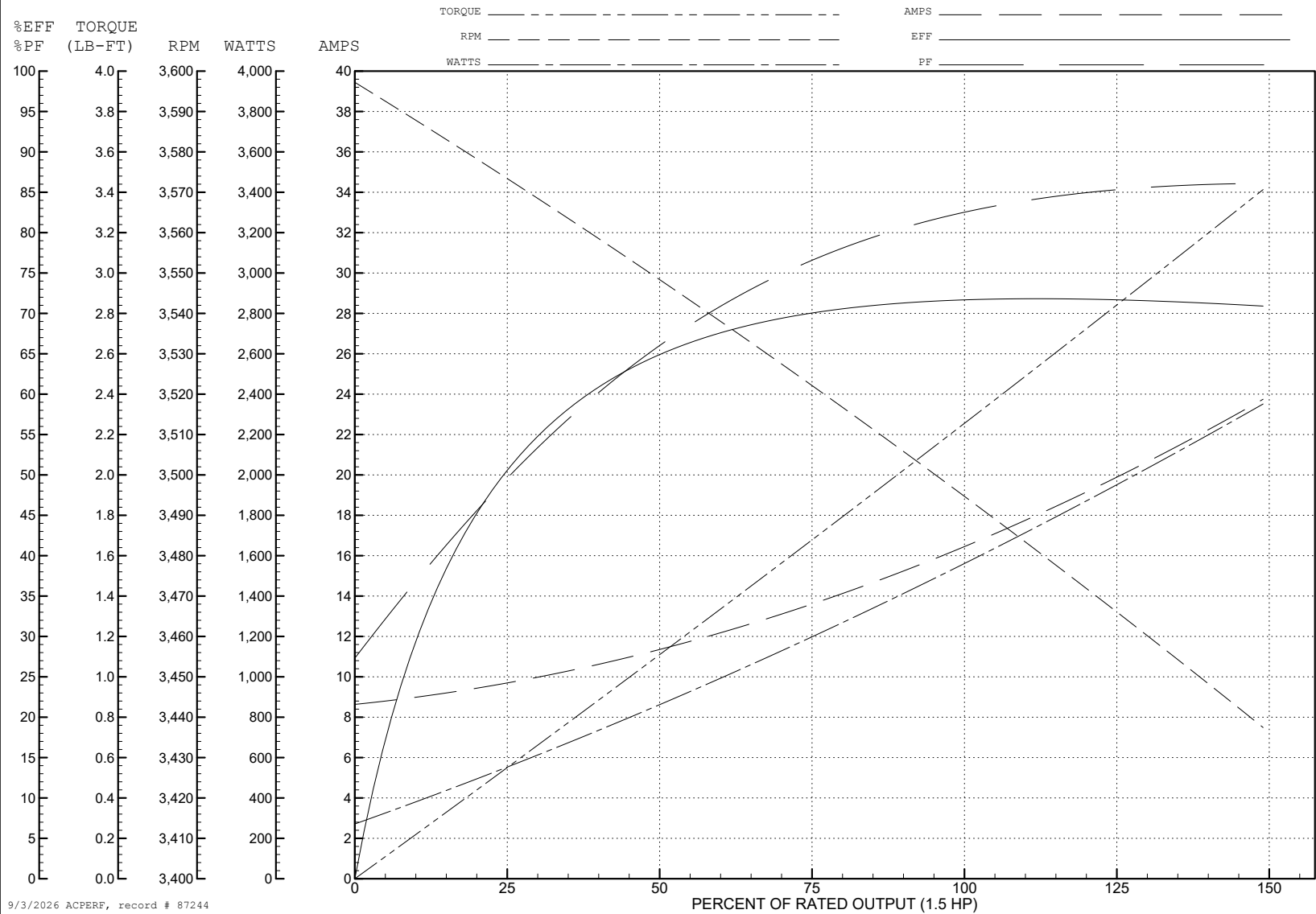
ABB Motors and Mechanical Inc.

WINDING # 35WG0199

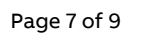
Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 3450 RPM 115 V 3528L

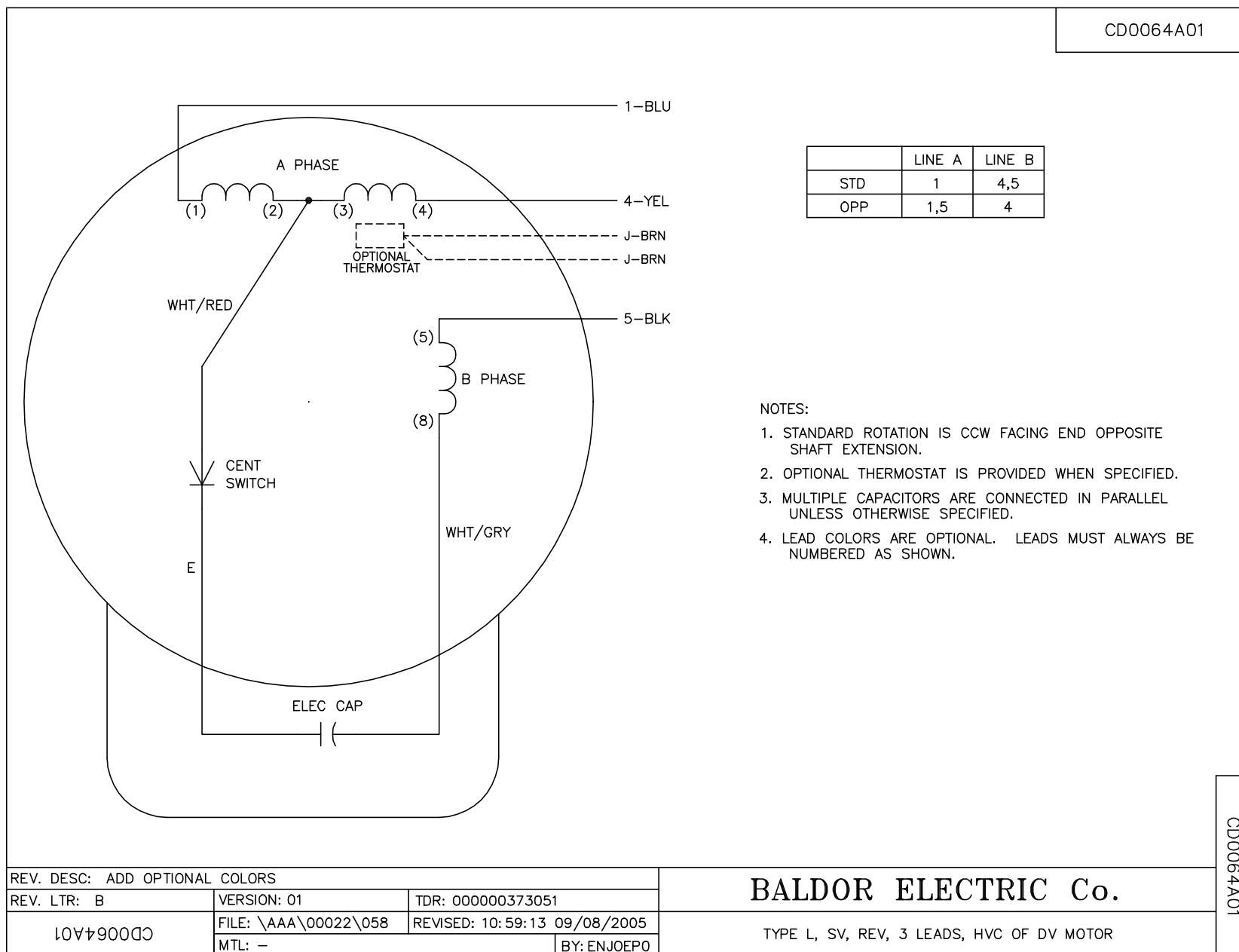
TORQUES (LB-FT): PO=6.56 PU=4.82 LR=7.25 LRA=104



9/3/2026 ACPERF, record # 87244



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CD0001

