

ABB BALDOR RELIANCE III

Customer information packet

CXL050742A-50

.75HP, 1450RPM, 1PH, 50HZ, 56C, 3526L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
Frequency	50.00 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	.750 HP @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	110.0 V @ 50 HZ 220.0 V @ 50 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	9.600 A @ 110.0 V 4.800 A @ 220.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	72.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.8 a
Insulation Class	F

Part Detail

Revision	D
Type	AC
Mech. spec.	35E365
Base	
Status	PRD/A
Elec. spec.	35WGG414
Layout	35LYE365
Eff. date	09-18-2025
CD Diagram	CD0008
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	02-23-2023

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3526L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.15 IN
Power Factor	74
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 1 Location	ES
Winding Thermal 2	None

Nameplate

NP0016XPSL									
NO.		CC							
SER. #									
SPEC	35E365G414								
CAT.NO.	CXL050742A-50								
H.P.	.75	T. CODE							
VOLTS	110/220								
AMPS	9.6/4.8								
R.P.M.	1450								
HZ	50	PH	1	CLASS	F				
SER.F.	1.00	DES	N	CODE	K				
RATING	40C AMB-CONT								
FRAME	56C	NEMA NOM. EFF	72						
	PF	74							
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 50517

Typical performance - not guaranteed values

Winding: 35WGS318-R001				Type: 3528L		Enclosure: TEFC	
Nameplate Data				110 V, 50 Hz: Low Voltage Connection			
Rated Output (HP)		.75		Full Load Torque		2.68 LB-FT	
Volts		110/220		Start Configuration		direct on line	
Full Load Amps		9.6/4.8		Breakdown Torque		11.2 LB-FT	
R.P.M.		1425		Pull-up Torque		5.85 LB-FT	
Hz	50	Phase	1	Locked-rotor Torque		7.35 LB-FT	
NEMA Design Code		N	KVA Code	J	Starting Current		50.8 A
Service Factor (S.F.)		1		No-load Current		6 A	
NEMA Nom. Eff.		70	Power Factor	76	Line-line Res. @ 25°C		0.825 Ω A Ph 2.35 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load			
				Locked-rotor Power Factor		92.8	
				Rotor inertia		0.166 LB-FT2	

Load Characteristics 110 V, 50 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	38	54	66	74	80	83
Efficiency	56.3	67.9	71.4	71.8	69.5	66.1
Speed	1487	1477	1464	1453	1433	1411
Line amperes	6.32	7.01	8.14	9.47	11.4	13.6

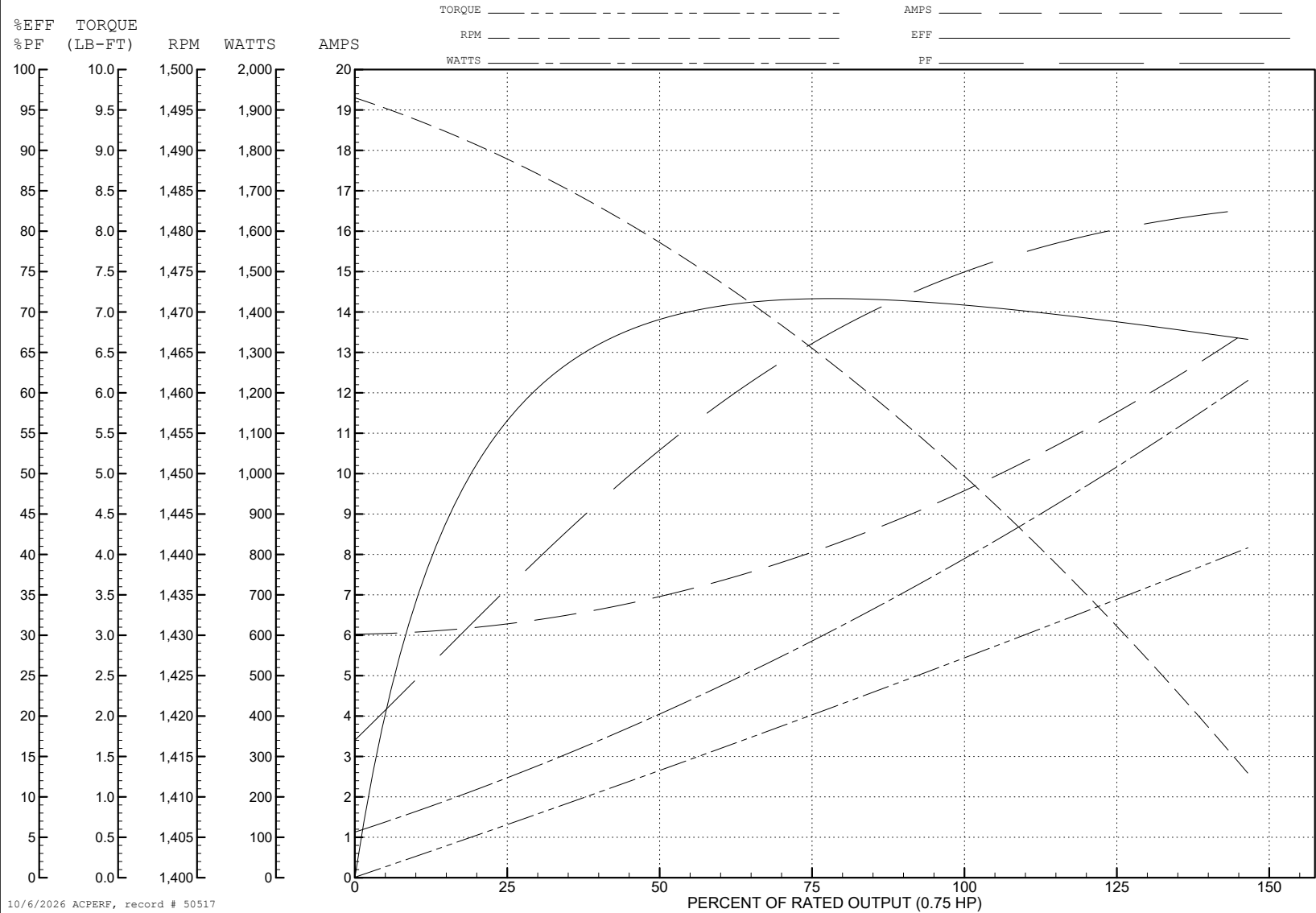
ABB Motors and Mechanical Inc.

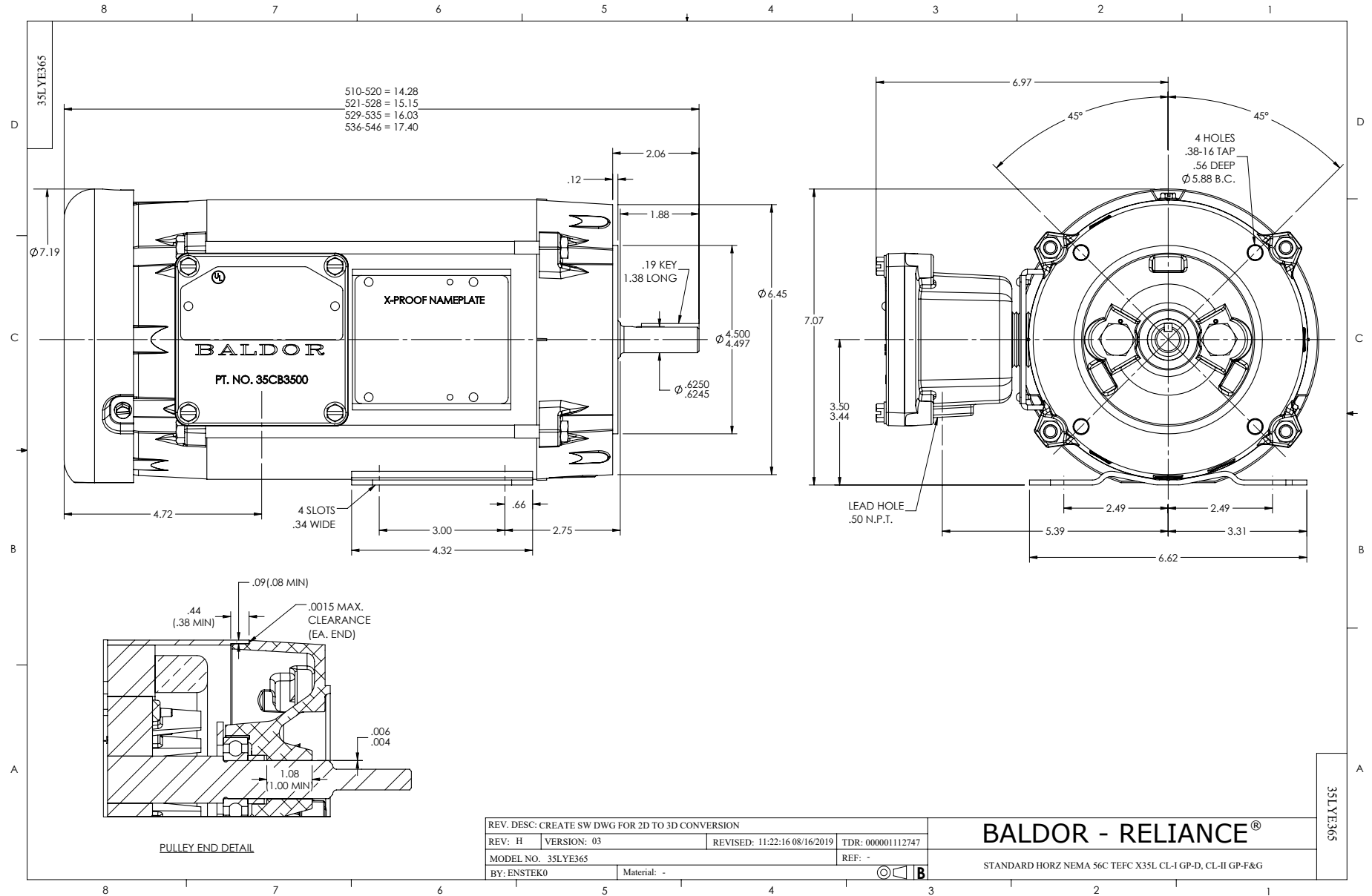
WINDING # 35WGS318

Typical performance - not guaranteed values.

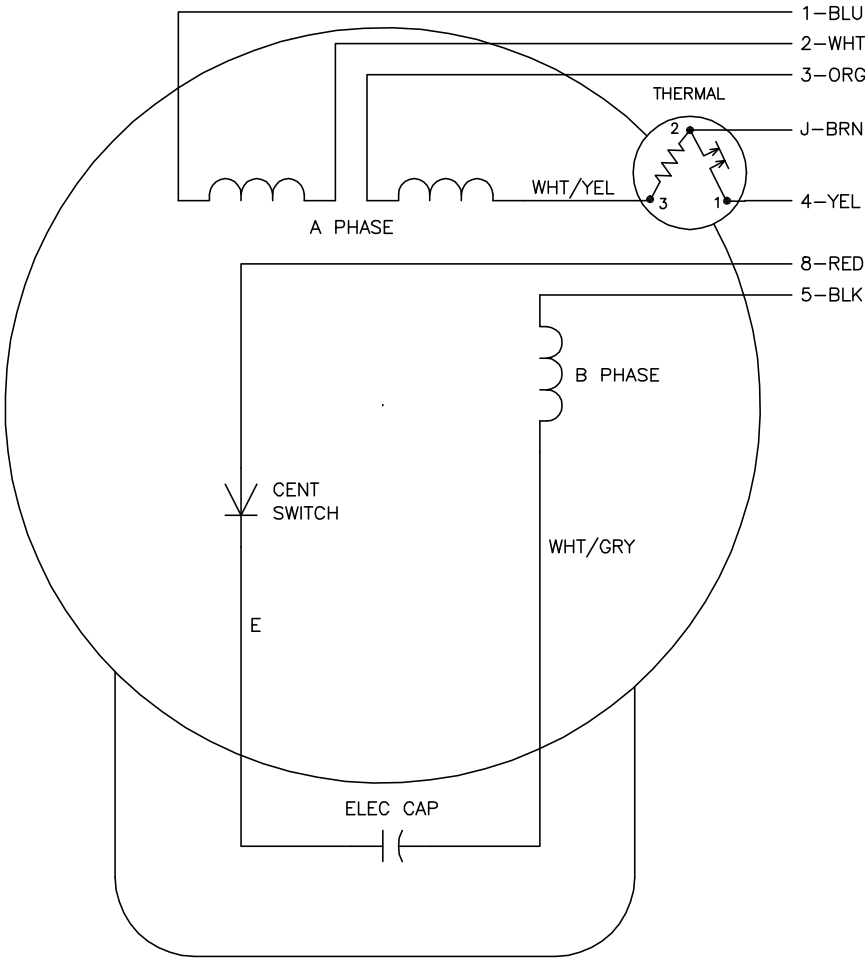
0.75 HP 1 PH 50 HZ 1425 RPM 110 V 3528L

TORQUES (LB-FT): PO=11.2 PU=5.85 LR=7.35 LRA=50.8





CD0008



	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.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008