

# ABB BALDOR RELIANCE III

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## Customer information packet

### CDRX050744

.75//.5HP, 1765//1470RPM, 3PH, 60//50HZ, 56C

Class - CLI GP C,D

Division - Division I

**Specifications**

<b>Enclosure</b>	XPFC
<b>Frame</b>	56C
<b>Frame Material</b>	Steel
<b>Frequency</b>	50.00 Hz 60.00 Hz
<b>Haz Area Class and Group</b>	CLI GP C,D
<b>Haz Area Division</b>	Division I
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	.500 HP @ 50 HZ .750 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA UL
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Constant Torque Speed Range</b>	6
<b>Current @ Voltage</b>	2.420 A @ 208.0 V 2.400 A @ 230.0 V 2.200 A @ 190.0 V 1.200 A @ 460.0 V 1.100 A @ 380.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover

**Part Detail**

<b>Revision</b>	-
<b>Type</b>	AC
<b>Mech. spec.</b>	35X738
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGG069
<b>Layout</b>	35LYX738
<b>Eff. date</b>	06-04-2025
<b>CD Diagram</b>	CD0005
<b>Poles</b>	04
<b>Leads</b>	9#18
<b>Proprietary</b>	False
<b>Created date</b>	06-04-2025

<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	82.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Haz Area Temp Code</b>	T3C
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	1.1 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>KVA Code</b>	K
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Quantity/Wire Size</b>	9 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	X3514M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	14.28 IN
<b>Power Factor</b>	74
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1470 rpm 1765 rpm

<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

**NP1401XPSL**

<b>NO.</b>		<b>CC</b>					
<b>S/N</b>		<b>TEMP CODE</b>	T3C				
<b>SPEC.</b>	35X738G069G2	<b>INV.TYPE</b>	PWM				
<b>CAT.NO.</b>	CDRX050744	<b>C HP FR</b>	60	<b>C HP TO</b>	90		
<b>HP</b>	.75//.5	<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60		
<b>VOLTS</b>	230/460//190/380	<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60		
<b>AMPS</b>	2.4/1.2//2.2/1.1	<b>MAG CUR</b>	1.7/.85				
<b>RPM</b>	1765//1470	<b>MX RPM</b>	2700				
<b>HZ</b>	60//50	<b>PH</b>	3	<b>CL</b>	F	<b>NOM.EFF.</b>	82.5
<b>SER.F.</b>	1.00	<b>DES</b>	B	<b>SL HZ</b>	1.2	<b>WK2</b>	0.101
<b>FRAME</b>	56C	<b>RATING</b>	40C AMB-CONT				
	55C AMB @ 1.0 SF						
	1.15 SF SINEWAVE		NEMA MG-1 PT 5, IP55				

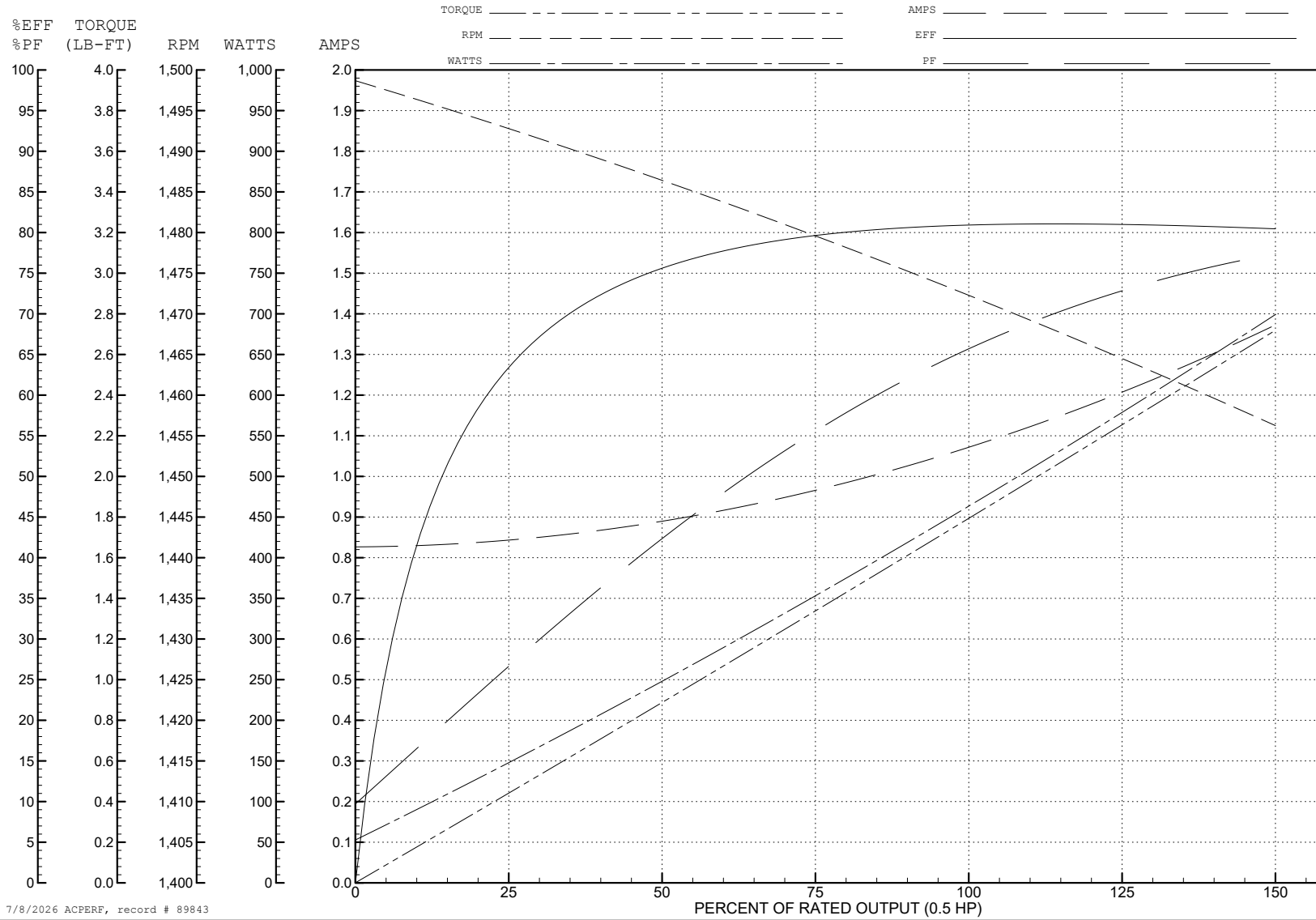
ABB Motors and Mechanical Inc.

WINDING # 35WGG069

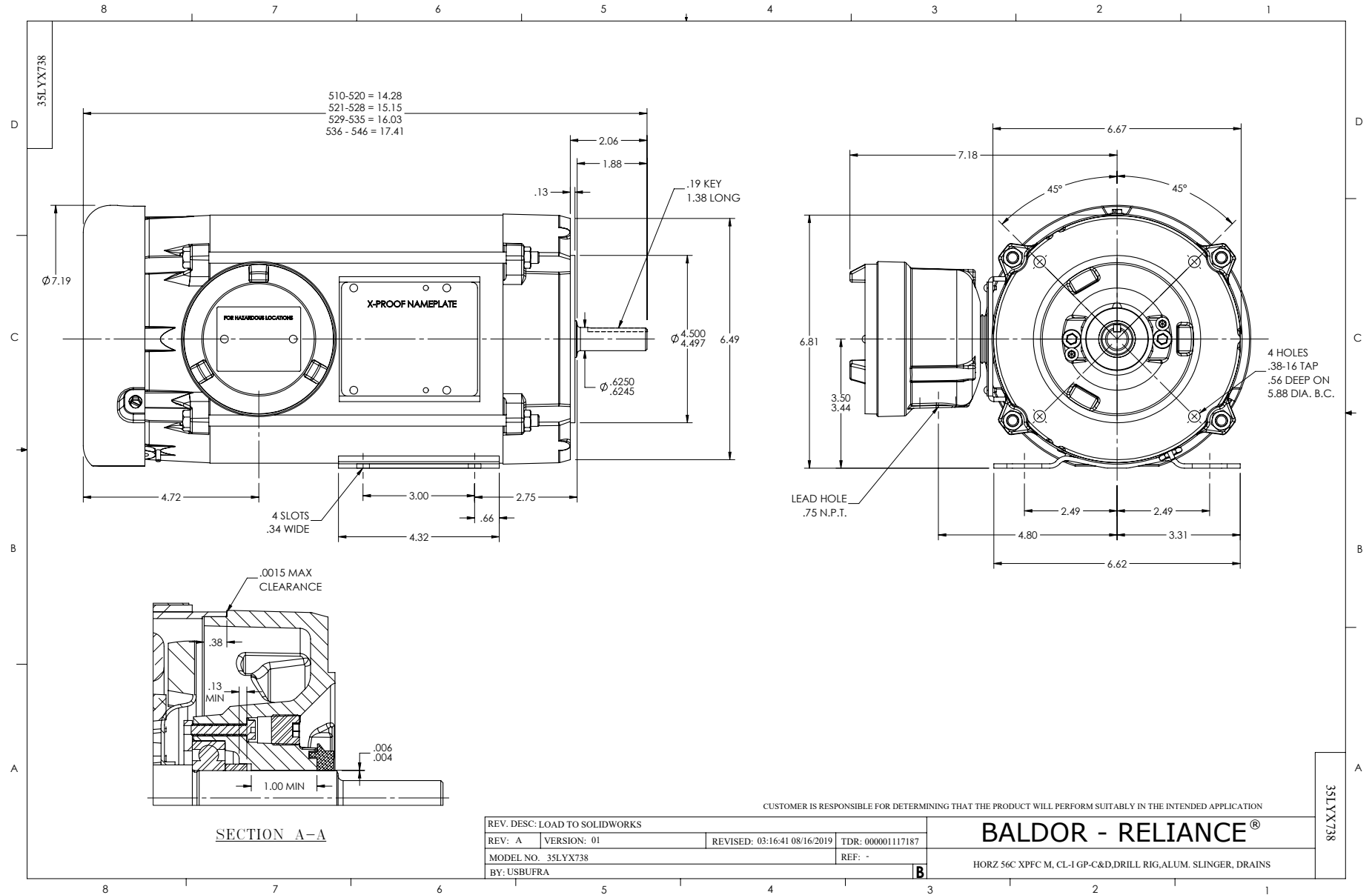
0.5 HP 3 PH 50 HZ 1472 RPM 380 V 3514M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=7.1 PU=4.1 LR=4.8 LRA=7.7



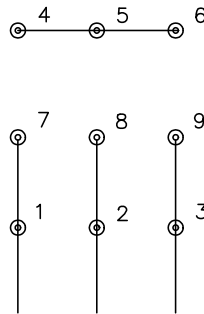
7/8/2026 ACPERF, record # 89843



CD0005

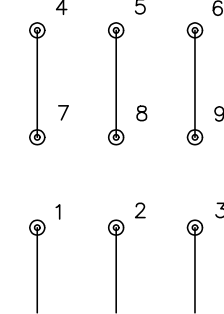


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

**NOTES:**

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS