

ABB BALDOR RELIANCE III

Customer information packet

CDRXL050344

.33HP, 1740RPM, 1PH, 60HZ, 56C, 3512L, XPFC, F1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UL CSA
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	3.200 A @ 230.0 V 6.400 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	54.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.2 a

Part Detail

Revision	D
Type	AC
Mech. spec.	35X723
Base	
Status	PRD/A
Elec. spec.	35WGG869
Layout	35LYX723
Eff. date	05-29-2026
CD Diagram	CD0001
Poles	04
Leads	6#18
Proprietary	False
Created date	05-08-2024

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	N
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	X3512L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.28 IN
Power Factor	62
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1740 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

NP0977XPSL												
NO.								CC				
SER.								TEMP CODE	T3C			
SPEC.	35X723G869											
CAT.NO.	CDRXL050344											
HP	.33											
VOLTS	115/230											
AMPS	6.4/3.2											
RPM	1740						MOTOR WEIGHT			41		
HERTZ	60	PH	1	CL	B	DE BRG	6205					
SER.F.	1.15	DES	N	CODE	N	ODE BRG			6203			
FRAME	56C	GREASE			POLYREX EM							
RATING	40C AMB-CONT											
				NEMA-NOM-EFF					54	PF	62	

AC Induction Motor Performance Data

Record # 101433

Typical performance - not guaranteed values

Winding: 35WGG869-R001			Type: 3512L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		.33	Full Load Torque		1 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		6.4/3.2	Breakdown Torque		2.8 LB-FT	
R.P.M.		1740	Pull-up Torque		2.3 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		3.6 LB-FT	
NEMA Design Code		N	Starting Current		33.3 A	
Service Factor (S.F.)		1.15	No-load Current		5.38 A	
NEMA Nom. Eff.	54 Power Factor	62	Line-line Res. @ 25°C		1.88 Ω A Ph 4.22 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		69°C	
S.F. Amps			Temp. Rise @ S.F. Load		72°C	
			Locked-rotor Power Factor		97.5	
			Rotor inertia		0.0866 lb-ft²	

Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	45	54	62	68	74	66
Efficiency	28.3	43	50.1	54.3	55.9	55.4	55.3
Speed	1781	1769	1754	1737	1718	1694	1726
Line amperes	5.39	5.58	5.93	6.39	7.03	7.82	6.77

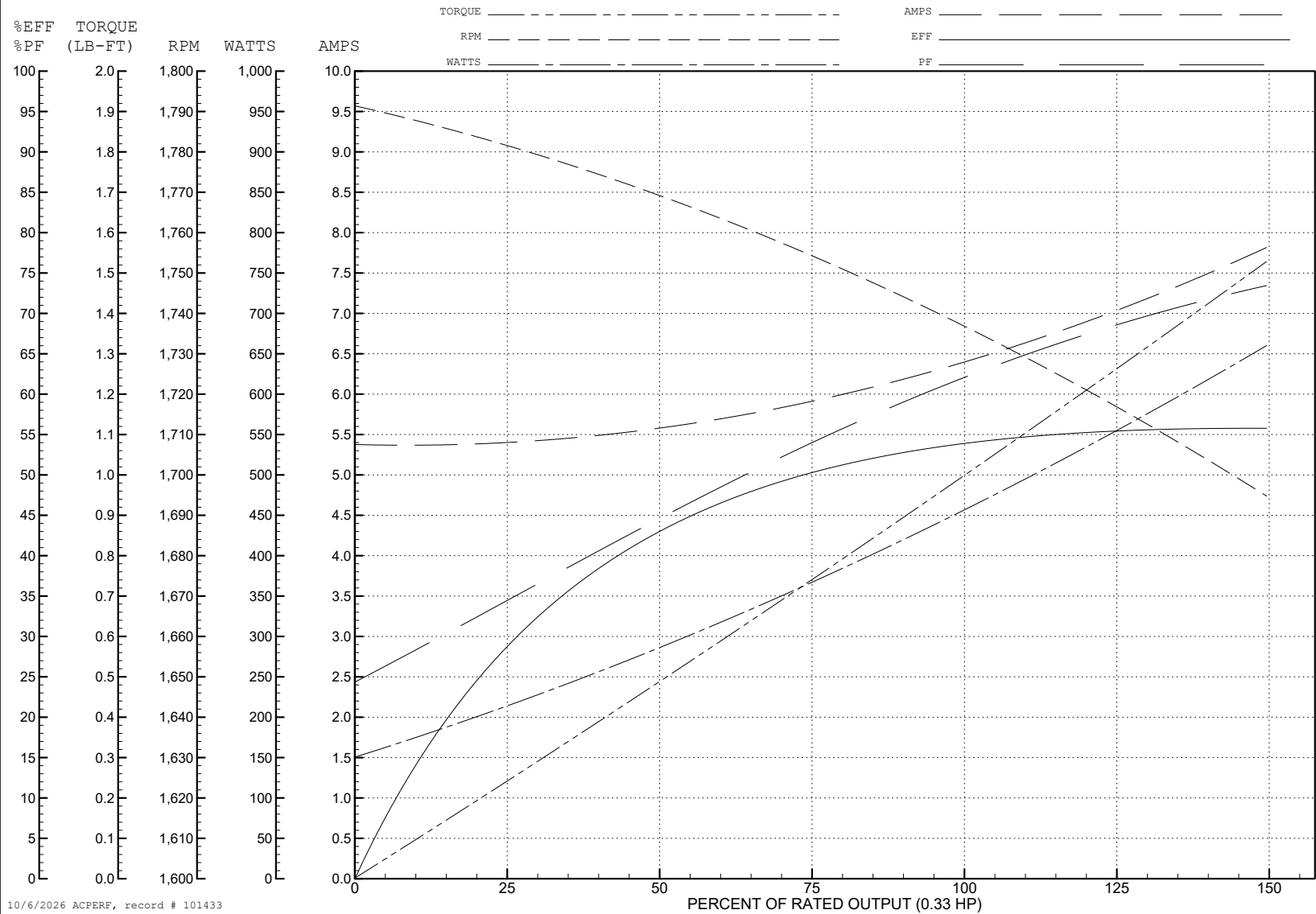
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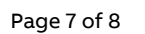
WINDING # 35WGG869

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 1740 RPM 115 V 3512L

TORQUES (LB-FT) : PO=2.8 PU=2.3 LR=3.6 LRA=33.3





CD0001

