

ABB BALDOR RELIANCE III

Customer information packet

VEL11307A

.75HP, 1755RPM, 1PH, 60HZ, 56C, 3522LC, OPEN, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	.750 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	CURUSEEV
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	3.500 A @ 230.0 V 7.000 A @ 115.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	F
Type	AC
Mech. spec.	35H993
Base	
Status	PRD/A
Elec. spec.	35WGG289
Layout	35LYH993
Eff. date	02-04-2025
CD Diagram	CD0703
Poles	04
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	02-23-2023

KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3522LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.74 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected OPP STD
Shaft Slinger Indicator	No Slinger
Speed	1755 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	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP3273L												
CAT.NO.	VEL11307A											
SPEC.	35H993G289G1											
HP	.75											
VOLTS	115/230											
AMP	7/3.5											
RPM	1755											
FRAME	56C		HZ	60				PH	1			
SER.F.	1.25	CODE	L	DES	N	CL	F					
F.L. AVG. EFF.	82.5	PF	96									
RATING	40C AMB-CONT											
CC												
DE	6205		ODE	6203								
ENCL	OPEN	SN										
	SFA 7.8/3.9											

AC Induction Motor Performance Data

Record # 88907

Typical performance - not guaranteed values

Winding: 35WGG289-R002			Type: 3522LC		Enclosure: OPEN		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		.75	Full Load Torque		2.25 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		6.1/3.1	Breakdown Torque		6.17 LB-FT		
R.P.M.		1755	Pull-up Torque		5.27 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		9.16 LB-FT	
NEMA Design Code		N	KVA Code	L	Starting Current		59 A
Service Factor (S.F.)		1.25		No-load Current		2.04 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		1.09 Ω A Ph 1.33 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		78°C	
S.F. Amps				Temp. Rise @ S.F. Load		100°C	
				Locked-rotor Power Factor		99.6	
				Rotor inertia		0.159 lb-ft²	

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	77	91	94	96	95	96	95
Efficiency	60.6	76.6	82	83.2	82.4	80.7	82.4
Speed	1788	1777	1766	1753	1736	1718	1736
Line amperes	2.64	3.52	4.75	6.12	7.74	9.43	7.74

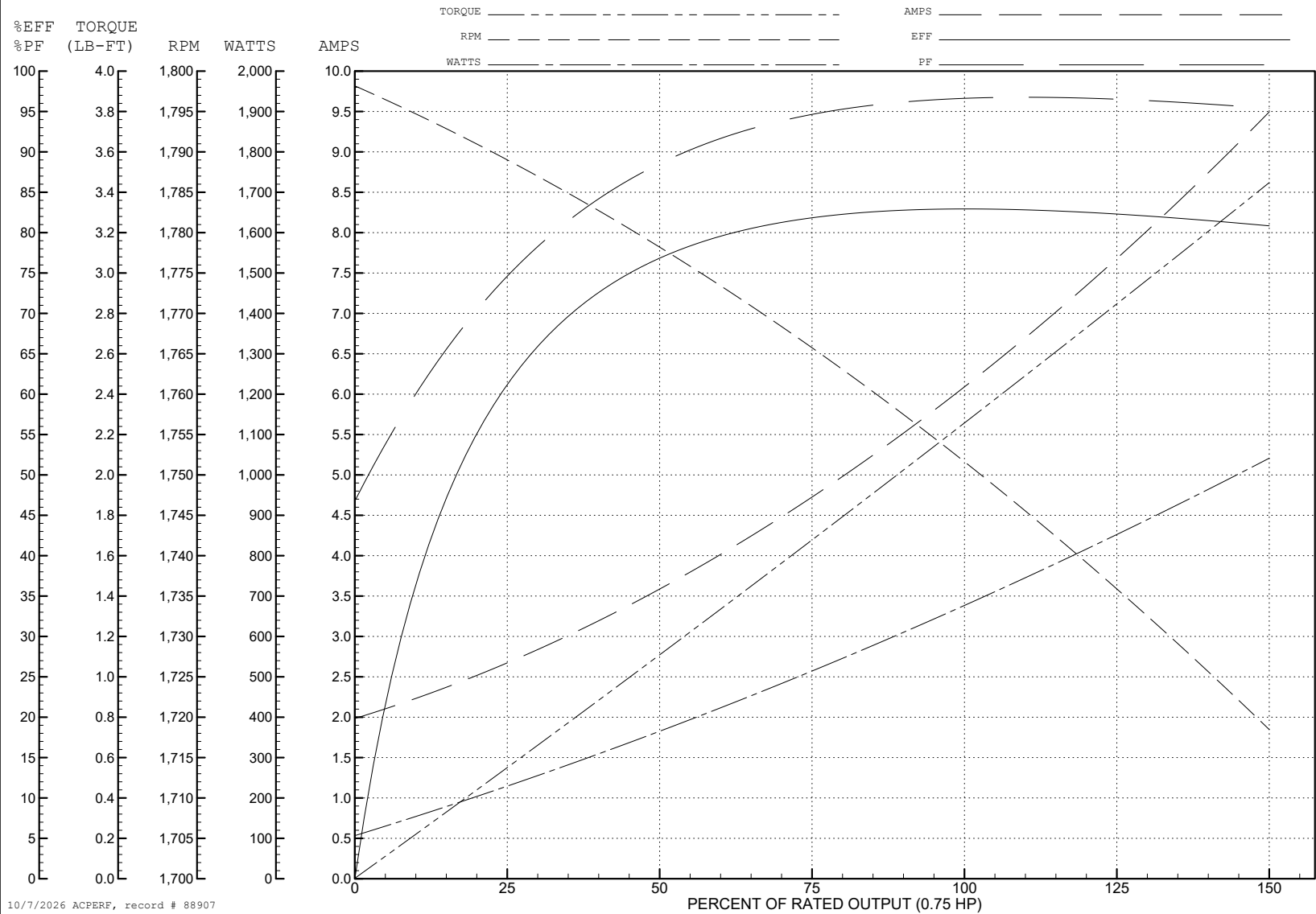
ABB Motors and Mechanical Inc.

WINDING # 35WGG289

Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1755 RPM 115 V 3522LC

TORQUES (LB-FT): PO=6.17 PU=5.27 LR=9.16 LRA=59



CD0703

