

ABB BALDOR RELIANCE III

Customer information packet

VL3515-50

2/1.5KW, 2900RPM, 1PH, 50HZ, 56C, 3536LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.500 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	C UR US WEEE UKCA CURUS CE
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	8.300 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.3 a

Part Detail

Revision	H
Type	AC
Mech. spec.	35E022
Base	
Status	PRD/A
Elec. spec.	35WGG772
Layout	35LYE022
Eff. date	04-20-2026
CD Diagram	CD0055
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	10-10-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3536LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.48 IN
Power Factor	98
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	2900 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 2	None

Nameplate

NP1372L									
CAT.NO.	VL3515-50								
SPEC.	35E022G772								
HP	2/1.5KW								
VOLTS	110/220								
AMP	17/8.5								
R.P.M. (1/MIN)	2900								
FRAME	56C		HZ		50		PH		1
SER.F.	1.15	CODE		H	DES		-	CL	F
NEMA-NOM-EFF	81.3	PF		95					
RATING	40C AMB-S1 CONT								
CC			IP44 IC411 34KG						
DE	6205		ODE		6203				
ENCL	TEFC	SN							
	IE2-50HZ 84.1(75%) 81.6(50%)								

AC Induction Motor Performance Data

Record # 101543

Typical performance - not guaranteed values

Winding: 35WGG772-R001			Type: 3536LC		Enclosure: TEFC			
Nameplate Data			110 V, 50 Hz: Low Voltage Connection					
Rated Output (KW)		1.5	Full Load Torque		3.65 LB-FT			
Volts		110/220	Start Configuration		direct on line			
Full Load Amps		17/8.5	Breakdown Torque		9.6 LB-FT			
R.P.M.		2900	Pull-up Torque		9.1 LB-FT			
Hz	50	Phase	1	Locked-rotor Torque		11.1 LB-FT		
NEMA Design Code		-	KVA Code	H	Starting Current		128 A	
Service Factor (S.F.)		1.15	No-load Current		4.36 A			
NEMA Nom. Eff.		81.3	Power Factor		95	Line-line Res. @ 25°C		0.232 Ω A Ph 0.669 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		52°C	
S.F. Amps					Temp. Rise @ S.F. Load		65°C	
					Locked-rotor Power Factor		86.7	
					Rotor inertia		0.0774 lb-ft²	

Load Characteristics 110 V, 50 Hz, 1.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	83	92	95	95	96	96	96
Efficiency	69.5	81.6	84.1	84.1	82.2	79.5	83
Speed	2975	2954	2933	2897	2866	2832	2878
Line amperes	6	9.14	12.83	17.02	21.53	26.88	19.7

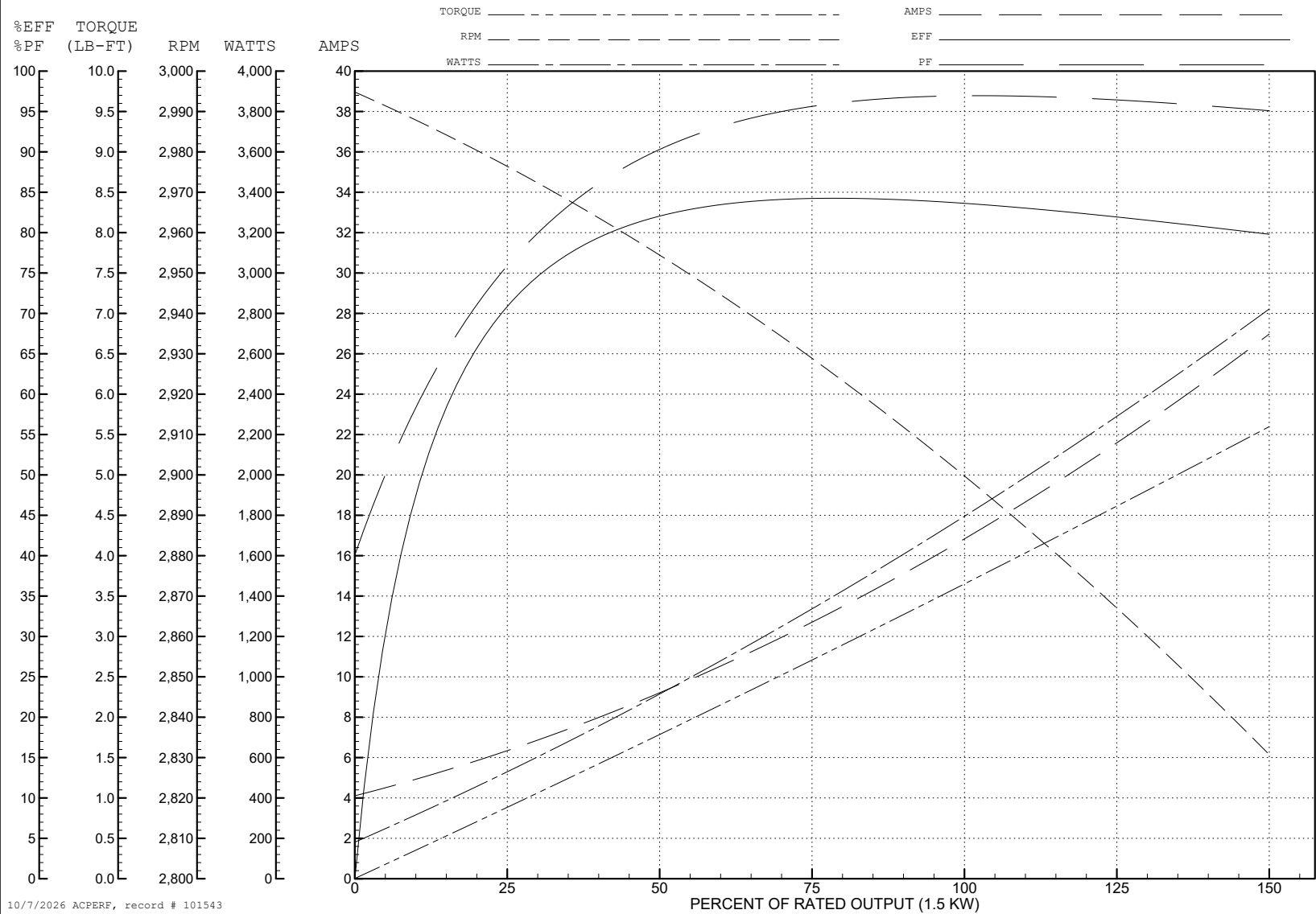
ABB Motors and Mechanical Inc.

WINDING # 35WGG772

Typical performance - not guaranteed values.

1.5 KW 1 PH 50 HZ 2900 RPM 110 V 3536LC

TORQUES (LB-FT): PO=9.6 PU=9.1 LR=11.1 LRA=128



10/7/2026 ACPERF, record # 101543



CD0055

