

ABB BALDOR RELIANCE III

Customer information packet

VL3508

.75HP, 1145RPM, 1PH, 60HZ, 56C, 3526LC, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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	1200 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US
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	4.200 A @ 230.0 V 7.800 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	E
Type	AC
Mech. spec.	35E022
Base	
Status	PRD/A
Elec. spec.	35WGG246
Layout	35LYE022
Eff. date	09-17-2025
CD Diagram	CD0055
Poles	06
Leads	6#18
Proprietary	False
Created date	08-01-2022

KVA Code	G
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	3526LC
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.23 IN
Power Factor	82
Product Family	General Purpose
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
Shaft Slinger Indicator	No Slinger
Speed	1145 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

NP1256L											
CAT.NO.	VL3508										
SPEC.	35E022G246										
HP	.75										
VOLTS	115/230										
AMP	7.8/4.2										
RPM	1145										
FRAME	56C		HZ	60				PH	1		
SER.F.	1.00	CODE	G	DES	L	CLASS		F			
NEMA-NOM-EFF	74	PF	82								
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	TEFC	SN									

AC Induction Motor Performance Data

Record # 91093

Preliminary Data Sheet

Winding: 35WGG246-R003				Type: 3526LC		Enclosure: TEFC	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		.75		Full Load Torque		3.4 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		7.8/4.2		Breakdown Torque		7.79 LB-FT	
R.P.M.		1145		Pull-up Torque		4.49 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		9.71 LB-FT	
NEMA Design Code		L	KVA Code	Starting Current		46.2 A	
Service Factor (S.F.)		1		No-load Current		4.55 A	
NEMA Nom. Eff.		74	Power Factor	82		Line-line Res. @ 25°C 1.62 Ω A Ph 2.35 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		62°C	
				Locked-rotor Power Factor		97.3	
				Rotor inertia		0.188 lb-ft²	

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	58	73	82	86	89	89
Efficiency	45.9	64.1	72.2	74.7	73.4	67.7
Speed	1190	1182	1172	1160	1143	1115
Line amperes	4.64	5.24	6.19	7.54	9.29	12.04

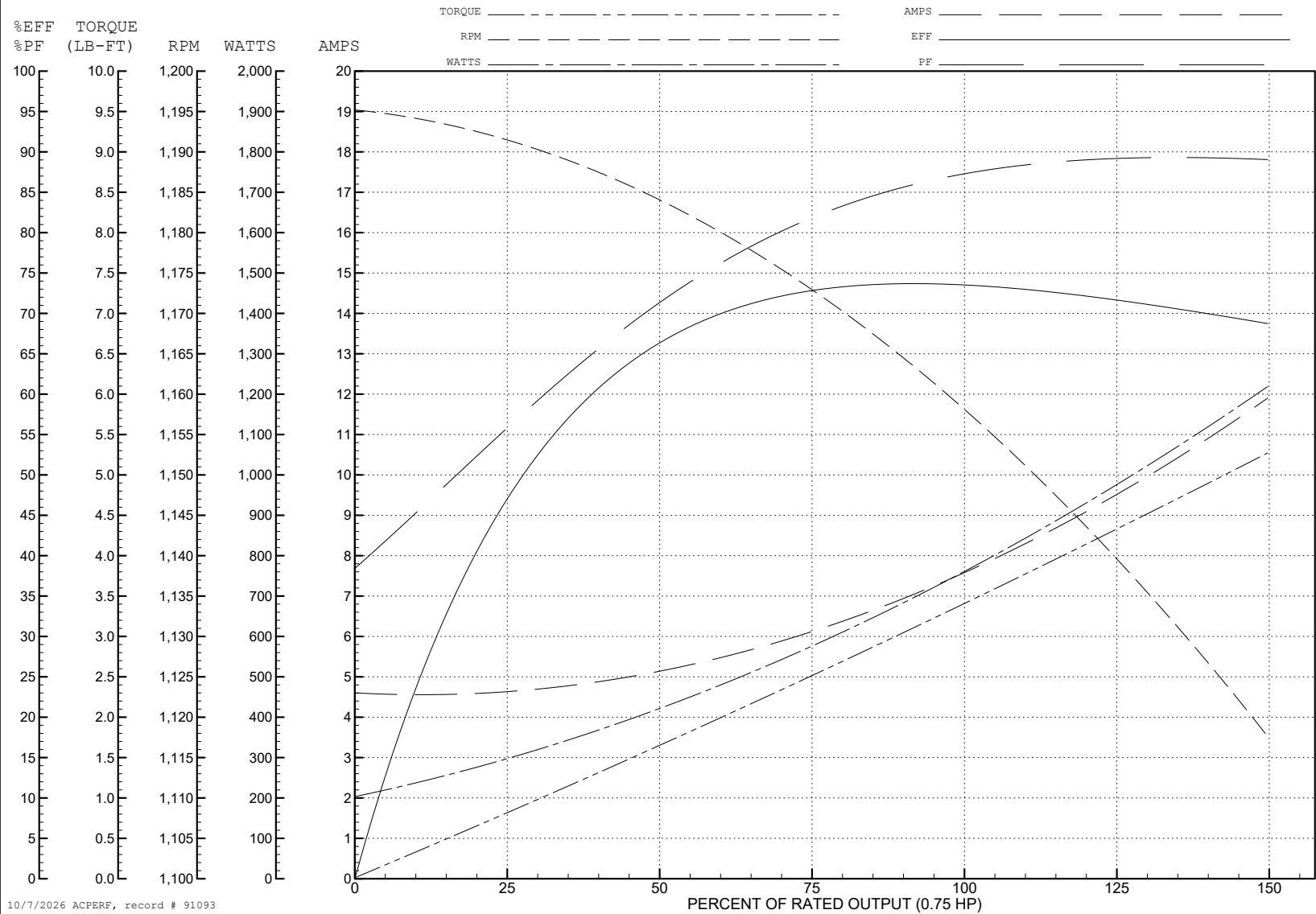
ABB Motors and Mechanical Inc.

WINDING # 35WGG246

Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1145 RPM 115 V 3526LC

TORQUES (LB-FT) : PO=7.79 PU=4.49 LR=9.71 LRA=46.2



CD0055

