

Linear Motor

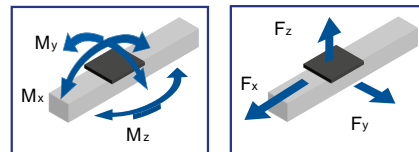
LA115 LA230

LA115 (iron less)

Model Configuration

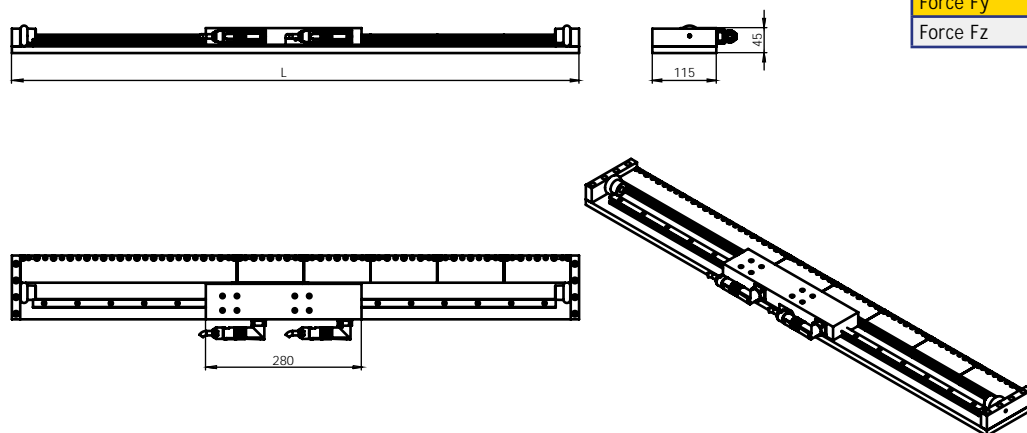
Model	Stroke	Motor	Measurement system**
LA115	100	UM9	
LA115	0100: 100 mm ... * 1500: 1500 mm	UM9	

* Stroke = customized stroke ** Will be optimized according to the application



Static Values		
Torque Mx	Nm	300
Torque My	Nm	50
Torque Mz	Nm	300
Force Fx	N	300
Force Fy	N	100
Force Fz	N	100

Dimensions



Basic Specifications

Series LA115-xxxx		
Rated Values		
Travel	[mm]	100 .. 1500
Velocity	[m/s]	2.5
Peak force	[N]	300
Rated force	[N]	80
Resolution / Accuracy		
Positioning resolution ¹⁾	[µm]	0.05 .. 1.0
Position accuracy ¹⁾	[µm/m]	3 .. 20
Repeatability	[µm]	±0.05 .. 1.0
Height error	[µm/m]	<80
Side error	[µm/m]	<20

1) Depends on measurement system

	LA115-0100	LA115-1500
Dimension		
Weight slide	[kg]	2
Weight base	[kg]	9
Weight base	[kg/100mm travel]	3.7
Length L	[mm]	480 1880

Amplifier Specifications

		ECOVARIO 414	ECOBASIC 410
1-phase AC Supply			
Supply voltage	V _{AC}	230	230
Line frequency	Hz	50 .. 60	50 .. 60
Rated power	VA	2200	1000
Interfaces		EtherCAT CANopen PROFIBUS	CANopen



ECOVARIO 414

ECOBASIC 410

Actuator Units

NEW All-in-one-solution

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