LA3

NEW PRODUCT

Essential functionality
Smart choice for parts transfer

- 400mm Reach; 3Kg Payload
- Exceptional Price Performance
- Compact, low-profile body saves space
- Same Powerful yet easy to use Epson RC+ software as our high end robots

Model Number LA 3 - A 40 1 S

Payload
3 : 3kg

Arm length
40 : 400mm

Joint #3 stroke
1 : 150mm

Installation environment
S : Standard

Specifications

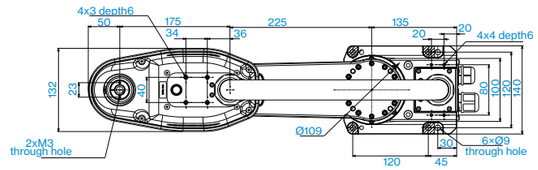
Model number		LA3-A401S
Arm length	Arm #1+#2	400 mm
	Arm #3	150 mm
Payload *1	Rated	1 kg
	Max.	3 kg
Repeatability	Joints #1+#2	±0.01 mm
	Joint #3	±0.01 mm
	Joint #4	±0.01 deg
Standard cycle time *2		0.404 sec
Maximum operating speed	Joints #1+#2	6000 mm /sec
	Joint #3	1100 mm /sec
	Joint #4	2600 deg /sec
Joint #4 allowable moment of inertia *3	Rated	0.005 kg·m²
	Max.	0.05 kg·m²
Joint #3 press force		100 N
Installation environment		Standerd
Mounting method		Tabletop mounting
Weight (not include the weight of cables)		12 kg
Installed wire for customer use		—
Installed pneumatic tube for customer use		—
Compatible controller		RC800L
Power supply		AC200-240 V Single phase
Maximum rated capacity*4		0.8 kVA
Cable length		Standard : 3 / 5 / 10 / 15 / 20 m
Safety standard		CE

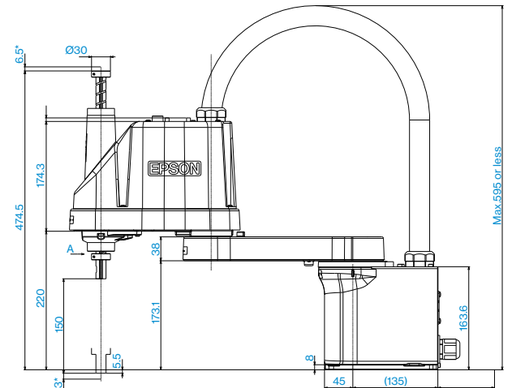
*1 : Do not apply the load exceeding the maximum payload. *2 : Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) at rated payload setting, path coordinates optimized for maximum speed.
*3 : Set the parameters by the Inertia command according to the load and end effector status (refer to the instruction manual for the parameter calculation method).
*4 : Varies according to operating environment and program.

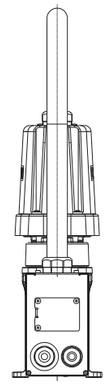
The values of the products listed on this page are measured under various conditions of in-house evaluation. They may vary depending on the environment and conditions of use.

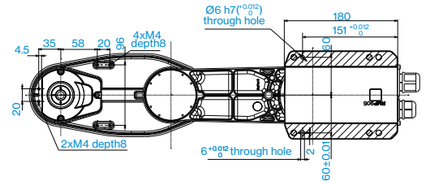
Outer Dimensions

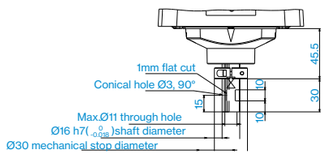
[Unit: mm]





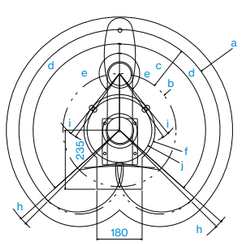






Detail view from "A"

Motion Range



Model		LA3-A401S
a	Arm #1 + Arm #2 length (mm)	400
b	Arm #1 length (mm)	225
c	Arm #2 length (mm)	175
d	Joint #1 motion angle (°)	132
e	Joint #2 motion angle (°)	141
f	Motion range (mm)	141.6
h	Angle of the Joint #1 mechanical stop (°)	2.8
i	Angle of the Joint #2 mechanical stop (°)	4.2
j	Mechanical stop area (mm)	128.8