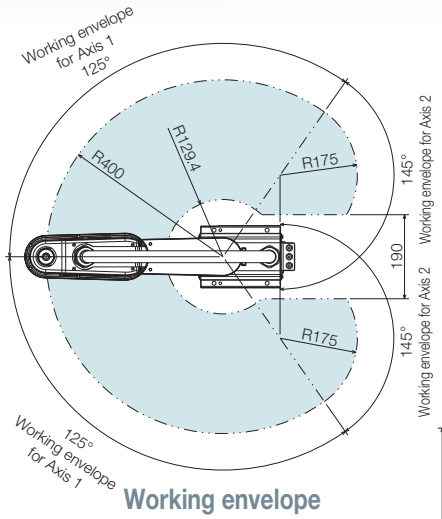
THL400

Model		THL400
Arm length (1st Arm + 2nd Arm)		400 mm (225 mm+175 mm)
Working envelope	Axis 1	±125 deg
	Axis 2	±145 deg
	Axis 3 (Axis Z)	0~160 mm
	Axis 4 (Axis C)	±360 deg
Maximum speed	Axis 1	660 deg/sec
	Axis 2	660 deg/sec
	Axis 3 (Axis Z)	1120 mm/sec
	Axis 4 (Axis C)	1500 deg/sec
	Composite (Axis 1 and 2 composite)	6300 mm/sec
Standard cycle time *1		0.47 sec (with 2 kg load)
Maximum payload mass *2		5 kg (rated 2 kg)
Allowable moment of inertia *2		0.05 kg·m^2
Positioning repeatability *3	X-Y	±0.01 mm
	Axis Z (Axis 3)	±0.015 mm
	Axis C (Axis 4)	±0.007 deg
Hand wiring		8 inputs and 8 outputs
Hand pneumatic joint *4		ϕ4 x 3 pcs
Robot controller cable		3.5 m
Power supply		0.7 kVA
Mass		13 kg
Connectable controller		TSL3000, TSL3000E

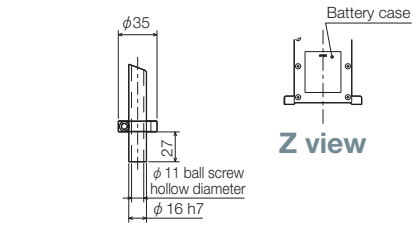
For *1 to *4 please see page 15.

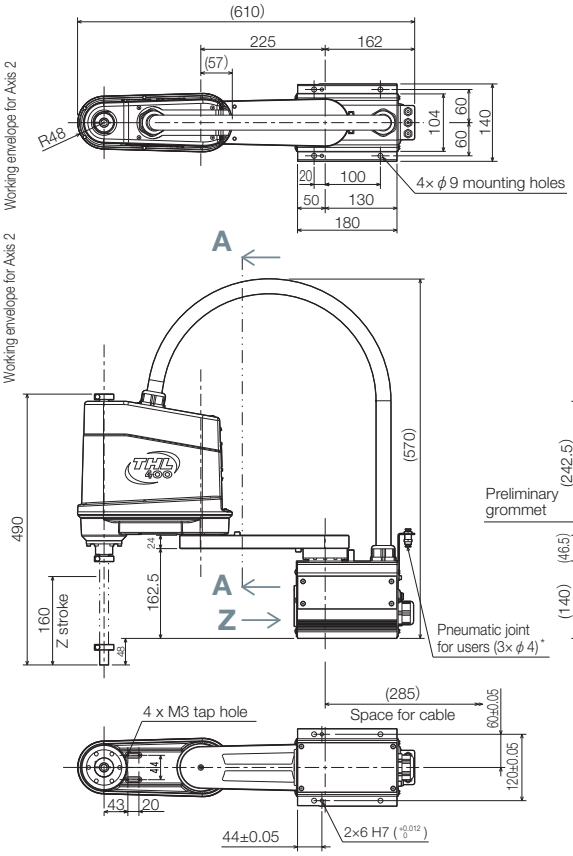
External View

* The air tubes are packed, which need to be installed by the user.



Working envelope



Z view

Detail view of EOAT