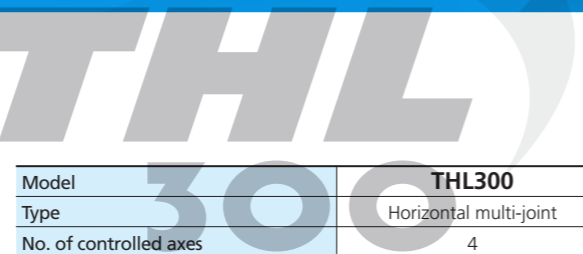


# SCARA ROBOT THL300

# SCARA ROBOT THL400



Model	THL300
Type	Horizontal multi-joint
No. of controlled axes	4
Arm length	300mm (125mm+175mm)
Working envelope	Axis 1 ±125° Axis 2 ±145° Axis 3 (Z axis) 0~160mm Axis 4 (Z-axis rotation) ±360°
Maximum speed*1	Axis 1 660°/s Axis 2 660°/s Axis 3 (Z axis) 1120mm/s Axis 4 (Z-axis rotation) 1500°/s Composite 5.1m/s
Standard cycle time (with 2 kg load)*2	0.48s
Maximum payload mass	5kg (rated: 2kg)
Allowable moment of inertia	0.05kg·m <sup>2</sup>
Positioning repeatability*3	X-Y ±0.01mm Z (Axis 3) ±0.015mm Axis θ (Z-axis rotation) ±0.007°
Hand wiring	8 inputs / 8 outputs
Hand pneumatic joints*4	φ4 x 3 pcs.
Position detection	Absolute
Robot controller cable	3.5m
Power capacity	0.7kVA
Mass	12kg

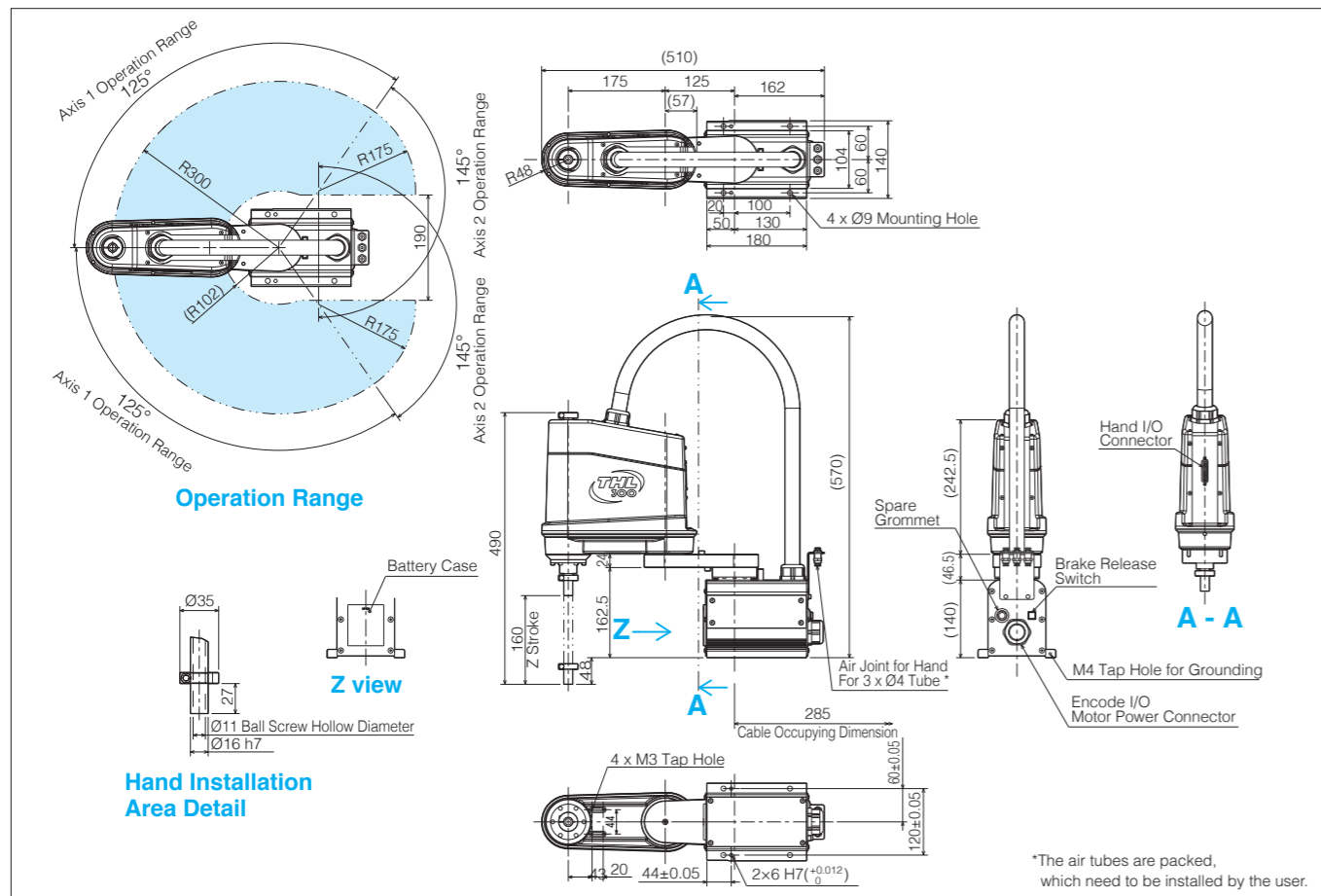
■For \*1 to \*4, please see page 5.



Model	THL400
Type	Horizontal multi-joint
No. of controlled axes	4
Arm length	400mm (225mm+175mm)
Working envelope	Axis 1 ±125° Axis 2 ±145° Axis 3 (Z axis) 0~160mm Axis 4 (Z-axis rotation) ±360°
Maximum speed*1	Axis 1 660°/s Axis 2 660°/s Axis 3 (Z axis) 1120mm/s Axis 4 (Z-axis rotation) 1500°/s Composite 6.3m/s
Standard cycle time (with 2 kg load)*2	0.47s
Maximum payload mass	5kg (rated: 2kg)
Allowable moment of inertia	0.05kg·m <sup>2</sup>
Positioning repeatability*3	X-Y ±0.01mm Z (Axis 3) ±0.015mm Axis θ (Z-axis rotation) ±0.007°
Hand wiring	8 inputs / 8 outputs
Hand pneumatic joints*4	φ4 x 3 pcs.
Position detection	Absolute
Robot controller cable	3.5m
Power capacity	0.7kVA
Mass	13kg

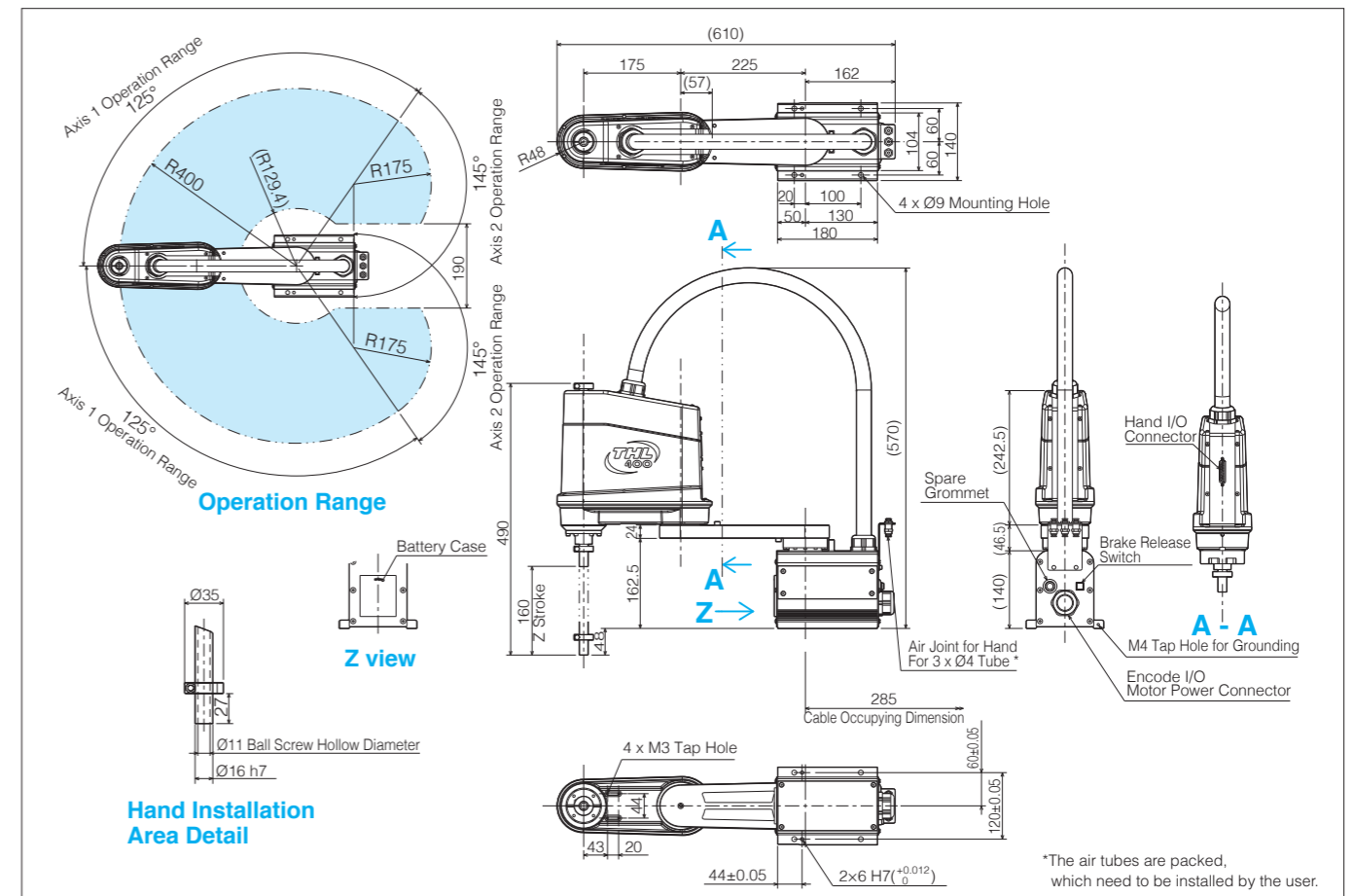
■For \*1 to \*4, please see page 5.

## External view



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

## External view



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

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