Arm length 150mm Maximum payload 1kg

YK150XG

Ordering method



0.9 kg (2 m) 1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)

Specifications X-axis Y-axis Z-axis R-axis Arm length 75 mm 75 mm 50 mm Axis specifications Rotation angle +/-125 +/-145 ° +/-360 ° 30 W 30 W 30 W 30 W AC servo motor output Deceleration Transmission Motor to speed reduce Direct-coupled mechanism method Speed reducer to output Direct-coupled +/-0.01 mm Repeatability +/-0.01 mm +/-0.004 ° Maximum speed 3.4 m/sec 0.9 m/sec 1700 °/sec Maximum payload 1.0 kg 0.33 sec Standard cycle time: with 0.1kg payload Note 2 R-axis tolerable moment of inertia Note 3 0.01 kgm User wiring 0.1 sq × 8 wires User tubing (Outer diameter) φ4×2 Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length Standard: 2 m Option: 3.5 m, 5 m, 10 m Weight (Excluding robot cable) Note 4 4.0 kg

Controller		
Controller	Power capacity (VA)	

RCX3

ntroller		
ller	Power capacity (VA)	Operation method
40	300	Programming / I/O point trace / Remote command / Operation using RS-232C communication

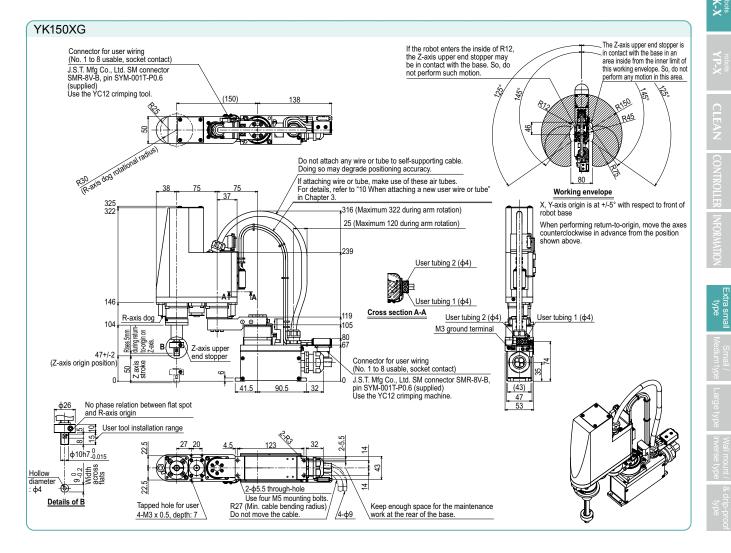
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.) See our robot manuals (installation manuals) for detailed information

Our robot manuals (installation manuals) can be downloaded from our website at the address below https://global.yamaha-motor.com/business/robot/

Robot cable weight

Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When moving 25mm in vertical direction and 100mm in horizontal direction reciprocally. Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.

Note 4. The total robot weight is the sum of the robot body weight and the cable weight.



RCX340 ► 678