YK600XGLC

Arm length 600mm Maximum payload 4kg

Ordering method

YK600XGLC - 150 - [ ] - [ ] - RCX240S - [ ] - [ ] - [ ] - [ ] - [ ] - BB

Model	Z axis stroke	Tool flange	Cable length	Controller	Usable for CE	Expansion I/O Note 1	Network optuon	iVY System	Gripper	Battery
	150: 150mm	No entry: None F: With tool flange	3L: 3.5m 5L: 5m 10L: 10m		No entry: Standard E: CE marking	N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72	No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet EP: EtherNet/IP YC: YC-Link Note 2	No entry: None VY: iVY (Vision) TR: iVY+Light +Tracking LC: iVY+Light	No entry: None GR: Gripper	BB: 4 pcs

Note 1. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.
Note 2. Available only for the master. See P.39 for details on YC-Link system.

Basic specifications

		X axis	Y axis	Z axis	R axis
Axis specifications	Arm length (mm)	350	250	150	–
	Rotation angle (°)	+/-129	+/-144	–	±360
AC servo motor output (W)		200	150	50	100
Repeatability Note 1 (XYZ: mm) (R: °)		+/-0.01		+/-0.01	+/-0.004
Maximum speed (XYZ: m/sec) (R: °/sec)		4.9		1.1	1020
Maximum payload (kg)		4			
Standard cycle time: with 2kg payload (sec) Note 2		0.74			
R-axis tolerable moment of inertia Note 3 (kgm²)		0.05			
User wiring (sq × wires)		0.2×10			
User tubing (Outer diameter)		ϕ4×4			
Travel limit		1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)			
Robot cable length (m)		Standard: 3.5 Option: 5, 10			
Weight (kg)		26			
Degree of cleanliness		Class ISO 3 (ISO 14644-1) Note 4 +ESD Note 5			
Intake air (Nℓ/min)		30 Note 6			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 25mm in vertical direction and 300mm in horizontal direction (rough-positioning arch motion).
Note 3. There are limits to acceleration coefficient settings. See P.478.
Note 4. Class 10 (0.1μm) equivalent to FED-STD-209D
Note 5. ESD (ElectroStatic Discharge) prevention is an option. Please contact our distributor.
Note 6. The necessary intake amount varies depending on the use conditions and environment.

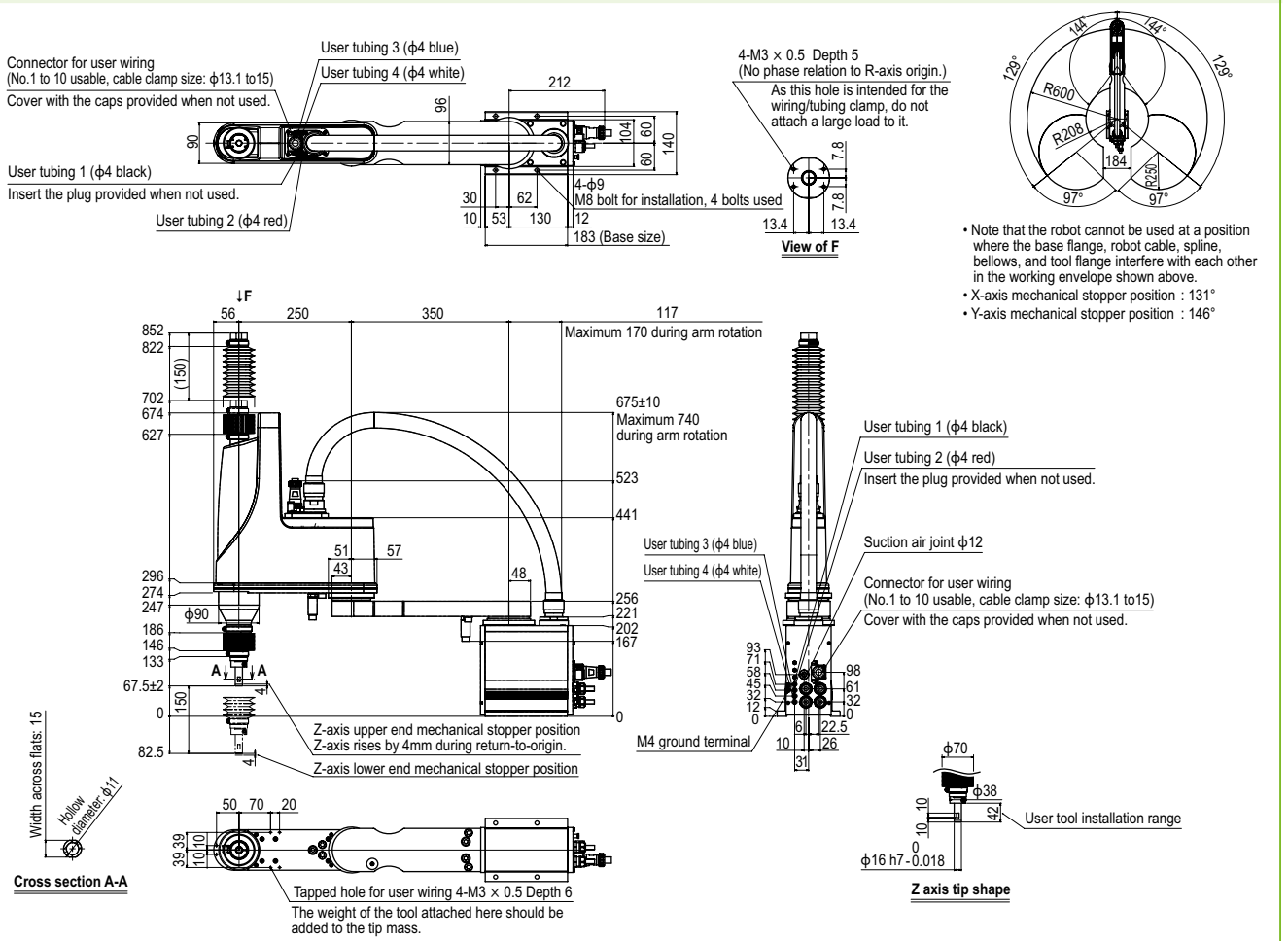
Controller

Controller	Power capacity (VA)	Operation method
RCX240S	1000	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.
Note. To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

Our robot manuals (installation manuals) can be downloaded from our website at the address below:
http://www.yamaha-motor.co.jp/global/industrial/robot/

YK600XGLC



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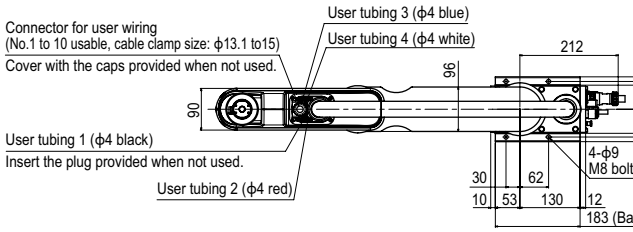
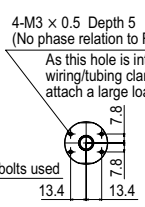
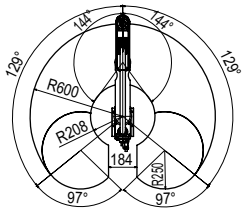
YK600XGLC Tool flange mount type

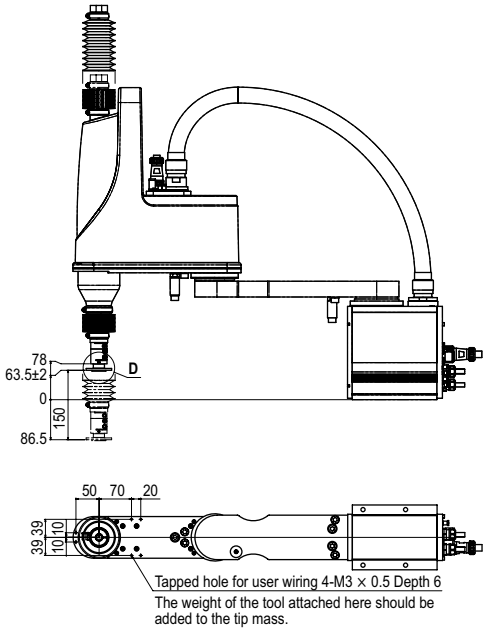


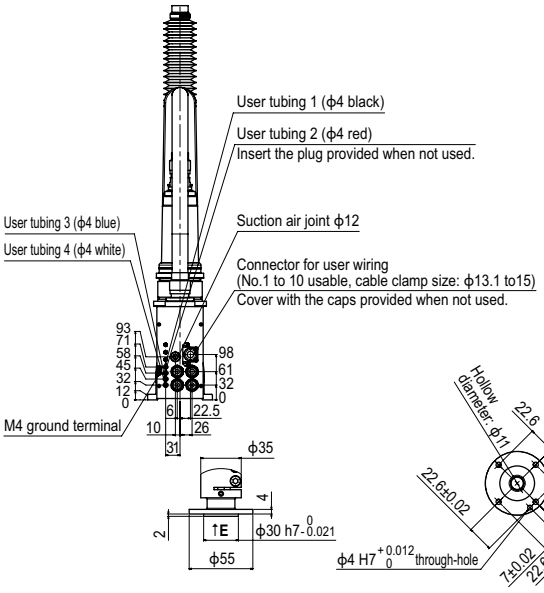


View of F

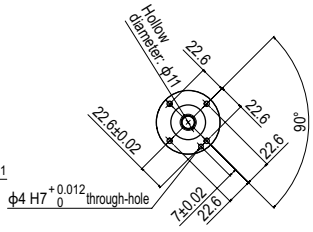


- Note that the robot cannot be used at a position where the base flange, robot cable, spline, bellows, and tool flange interfere with each other in the working envelope shown above.
- X-axis mechanical stopper position : 131°
- Y-axis mechanical stopper position : 146°





Detailed drawing D



View of E