YK500XGLC

Clean type: Medium type

Arm length 500mm
Maximum payload 4kg

■ Ordering method

YK500XGLC - 150 -

S

Standard: 3.5 Option: 5, 10

25

ISO CLASS 3 (ISO 14644-1) Note 4+ESDNote 5

30 Note 6

RCX340-4

Safety Option A Option B Option C Option D Option E Abscres standard (OP.A) (OP.B) (OP.C) (OP.D) (OP.E) batt

Specify various controller setting items. RCX340 ▶ P.566

MOOOWOFO	100	l	U
Model	Z axis stroke	 Tool flange 	- Hollow share
	150: 150mm	No entry: None F: With tool flange	S: With hollow sh

Basic	specifications				
		X axis	Y axis	Z axis	R axis
Axis	Arm length (mm)	250	250	150	_
specifications	Rotation angle (°)	+/-129	+/-144	_	+/-360
AC servo mo	otor output (W)	200	150	50	100
Repeatabilit	y Note 1 (XYZ: mm) (R: °)	+/-0.01 +/-0.0		+/-0.01	+/-0.004
Maximum sp	peed (XYZ: m/sec) (R: °/sec)	5.1 1.1 1		1020	
Maximum pa	ayload (kg)	4			
Standard cycle	e time: with 2kg payload (sec) ^{Note 2}	0.66			
R-axis toleral	ole moment of inertia Note 3 (kgm²)	0.05			
User wiring	(sq × wires)	0.2×10			
User tubing	(Outer diameter)	ф4×4			
Travel limit		1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)			

	■ Controller						
Controller F	Power capacity (VA)	Operation method					
RCX340	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: https://global.yamaha-motor.com/business/robot/

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. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.
Note 4. Class 10 (0.1µm) equivalent to FED-STD-209D

Robot cable length (m)

Degree of cleanliness Intake air (N&/min)

Weight (kg)

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



