

SCARA ROBOTS

Y (-X)
SERIES

■ YK-X SPECIFICATION SHEET… 336

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YK-X SPECIFICATION SHEET

Тур	е						Standard cycle time (sec) Note 1	Maximum payload	R-axis tolerable moment of	Completely beltless structure Note 2	R-axis harmonic drive Note 3	Detailed info page										
			120	150	180	220	250	300	350	400	500	600	700	800	900	1000		(kg)	inertia (kgm²)	ou ucidre	arive	
Orbit	be	YK350TW				5	.6										0.32 (RCX340) 0.38 (RCX240)	5	0.005 (Rated) 0.05 (Maximum)			P.338
04	٥,	YK500TW		_	1	ı	6.8	ı									0.29	5	0.005 (Rated) 0.05 (Maximum)			P.340
		YK120XG	3.3														0.33	1	0.01	•	•	P.342
	g J	YK150XG		3.4									0.33	1	0.01	•	•	P.343				
	Tiny type	YK180XG		3.3													0.33	1	0.01	•	•	P.344
	-	YK180X		3.3													0.39	1	0.01	•	•	P.345
		YK220X		3	.4												0.42	1	0.01	•	•	P.346
	_o	YK250XG			4.5												0.49	5	0.05	•	•	P.347
	Small type	YK350XG				5.6											0.49	5	0.05	•	•	P.349
	Sma	YK400XG				6	.1										0.49	5	0.05	•	•	P.351
		YK400XR				(6										0.45	3	0.05			P.353
Standard	L	YK500XGL					5.1										0.59	5	0.05	•	•	P.354
Star	type	YK500XG					7.6										0.45	10	0.30	•	•	P.356
		YK600XGL					4	.9									0.63	5	0.05	•	•	P.357
	Mec	YK600XG					8	.4									0.46	10	0.30	•	•	P.359
		YK600XGH					7	.7									0.47	20	1.0	•	•	P.360
		YK700XGL						9	.2								0.50	10	0.30	•	•	P.361
	_	YK700XG						8.4									0.42	20	1.0	•	•	P.362
	type	YK800XG		9.2									0.48	20	1.0	•	•	P.363				
	Large type	YK900XG	9.9									0.49	20	1.0	•	•	P.364					
	- 1	YK1000XG	10.6										0.49	20	1.0	•	•	P.365				
		YK1200X								7.4							0.91	50	2.45		•	P.366
		YK300XGS			4	.4											0.49	5	0.05	•	•	P.367
/pe		YK400XGS				6	.1										0.49	5	0.05	•	•	P.369
se t		YK500XGS					7.6										0.45	10	0.3	•	•	P.371
Wall-mount / inverse type		YK600XGS					8	.4									0.46	10	0.3	•	•	P.372
unt /		YK700XGS						8.4									0.42	20	1.0	•	•	P.373
om-		YK800XGS						9	.2								0.48	20	1.0	•	•	P.374
Wal		YK900XGS							9.9								0.49	20	1.0	•	•	P.375
		YK1000XGS							10	0.6							0.49	20	1.0	•	•	P.376
		YK250XGP			4.5												0.57	4	0.05	•	•	P.377
		YK350XGP				5.6											0.57	4	0.05	•	•	P.379
		YK400XGP				6	.1										0.57	4	0.05	•	•	P.381
type	;	YK500XGLP					5.1										0.74	4	0.05	•	•	P.383
roof t		YK500XGP					7.6										0.55	8	0.3	•	•	P.385
q-ai		YK600XGLP					4	.9									0.74	4	0.05	•	•	P.386
Dust-proof & drip-proof type		YK600XGP					8	.4									0.56	8	0.3	•	•	P.388
proof		YK600XGHP					7	.7									0.57	18	1.0	•	•	P.389
ust-		YK700XGP						8.4									0.52	18	1.0	•	•	P.390
	- 1	YK800XGP	\equiv						.2								0.58	18	1.0	•	•	P.391
	ŀ	YK900XGP	=						9.9								0.59	18	1.0	•	•	P.392
	H	YK1000XGP	=							0.6							0.59	18	1.0	•	•	P.393
Note	1. T	he standard cy During back an	cle tir						ndition	s.												

Note 1. The standard cycle time is measured under the rollowing conditions.

• During back and forth movement 25mm vertically and 100mm horizontally (TINY)

• During back and forth movement 25mm vertically and 300mm horizontally (small type / medium type / large type)

Note 2. Maintains high accuracy over long periods because the beltless structure drastically cuts down on wasted motion.

Operation is also nearly maintanance-free for long periods with no worries about bett breakage, stretching or deterioration over time.

Note 3. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

Robot ordering method description

In the order format for the YAMAHA SCARA robots YK-X series, the notation (letters/numbers) for the mechanical section is shown linked to the controller section notation.

Controller ► RCX240S

[Example]

■ Mechanical ► YK250XG

- Z-axis stroke ▷ 150mm
- Hollow shaft ▷ With hollow shaft
- Cable length ▷ 3.5m

Ordering method

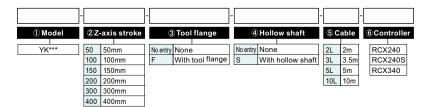
YK250XG-150-F-S-3L-RCX240S

Mechanical section

Controller section

To find detailed controller information see the controller page. RCX24

RCX240 ▶ P.495, RCX340 ▶ P.508



Note 1. Available only for the master.

Robot ordering method terminology

1 Model	Enter the robot unit model.					
② Z-axis stroke	Select the Z axis stroke. The stroke varies with the model you select so see that model's page to confirm the specifications.					
③ Tool flange	Tool flange option for easy mounting of a tool to the tip. No entry: None F: With tool flange					
④ Hollow shaft	Hollow shaft option for easy routing of air tubes and harness wires. No entry: None S: With hollow shaft					
⑤ Cable	Select the length of the robot cable connecting the robot and controller. 2L: 2m (Note 1) 3L: 3.5m 5L: 5m 10L: 10m Note 1. Only selectable for YK120XG, YK150XG, YK150XG.					
6 Controller	Select either the RCX240 (RCX240S) or RCX340.					



Orbit type

Arm length 350mm
Maximum payload 5kg

■ Ordering method

YK350TW- 130

Tool flange - Hollow shaft No entry: None
F: With tool flange
S: With hollow shaft

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508

RCX240

CE Marking — Regeneratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

BB

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifi	cations						
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		175 mm	175 mm	130 mm	-	
specifications	Rotation angl	le	+/-225 °	+/-225 °	-	+/-720 °	
AC servo mot	or output		750 W	400 W	200 W	105 W	
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Belt speed reduction	
Deceleration mechanism	Transmission	Motor to speed reducer	Timing belt	Direct-coupled	Timing belt	Timing half	
mechanism	method	Speed reducer to output		Direct-coupled		Timing belt	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.01 °	
Maximum spe	ed		5.6 r	n/sec	1.5 m/sec	3000 °/sec	
Maximum pay	load Note 2		5 kg				
Standard cycl	e time: with 1k	g payload ^{Note 3}	0.32 sec (RCX340) / 0.38 sec (RCX240)				
R-axis tolerab	le moment of	Rated	0.005 kgm²				
inertia Note 4		Maximum	0.05 kgm ²				
User wiring			0.15 sq × 8 wires				
User tubing (Outer diameter)			φ6×2				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			26 kg				

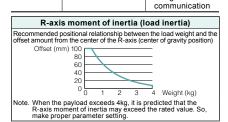
Note 1. This is the value at a constant ambient temperature.

Note 2. Tool flange specifications (option) are 4 kg.

Note 3. When moving a 1 kg load back and forth 300mm horizontally and 25mm vertically (rough positioning arch motion).

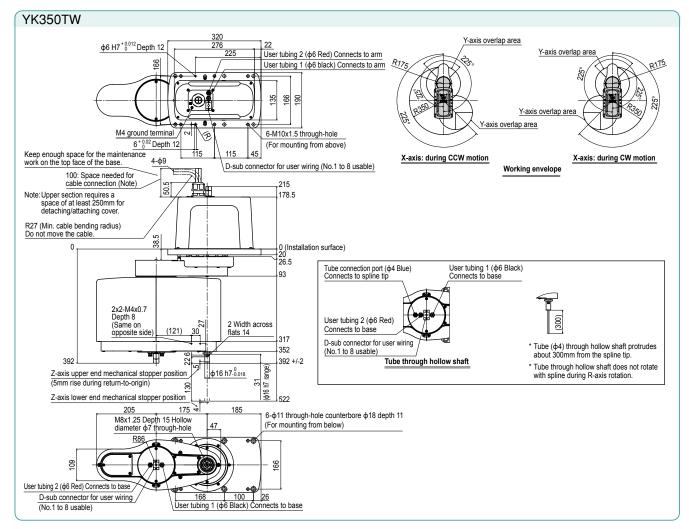
Note 4. Limits must be placed on parameters such as acceleration according to the moment of inertia being used.

■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C

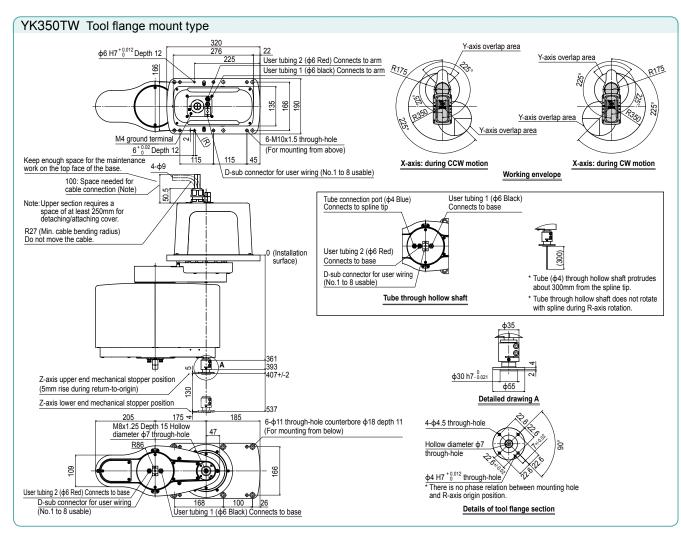


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of Harmonic Drive Systems Inc.
To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.



Dust-proof & drip-proof



YK500TV

Orbit type

Arm length 500mm
Maximum payload 5kg

■ Ordering method

YK500TW- 130

Tool flange - Hollow shaft No entry: None
F: With tool flange
S: With hollow shaft

RCX340-4

RCX240

CE Marking - Rege

Specify various controller setting items. RCX340 ▶ P.508

BB eratizve unit - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ **P.495**

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		250 mm	250 mm	130 mm	-	
specifications	Rotation angl	le	+/-225 °	+/-225 °	-	+/-720 °	
AC servo mot	or output		750 W	400 W	200 W	105 W	
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Belt speed reduction	
Deceleration mechanism	Transmission	Motor to speed reducer	Timing belt	Direct-coupled	Timing belt	Timing belt	
meemamem	method	Speed reducer to output		Direct-coupled		Tilling belt	
Repeatability	Note 1		+/-0.0	15 mm	+/-0.01 mm	+/-0.01 °	
Maximum spe	ed		6.8 n	n/sec	1.5 m/sec	3000 °/sec	
Maximum pay	load Note 2		5 kg (RCX340), 4 kg (RCX240)				
Standard cycl	e time: with 1k	g payload ^{Note 3}	0.29 sec				
R-axis tolerab	le moment of	Rated	0.005 kgm ²				
inertia Note 4		Maximum		0.05 kgm ²			
User wiring			0.15 sq × 8 wires				
User tubing (Outer diameter)			φ6×2				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable le	Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			27 kg				

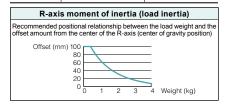
Note 1. This is the value at a constant ambient temperature.

Note 2. For the option specifications (tool flange mount type), the maximum payload becomes 4 kg (RCX340) or 3 kg (RCX240).

Note 3. When moving a 1 kg load back and forth 300 mm horizontally and 25 mm vertically (rough positioning arch motion).

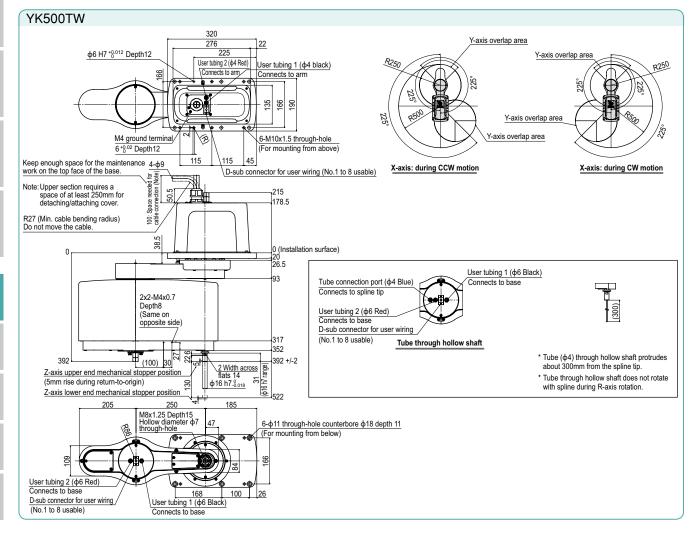
Note 4. Limits must be placed on parameters such as acceleration according to the moment of inertia being used. See P.536.

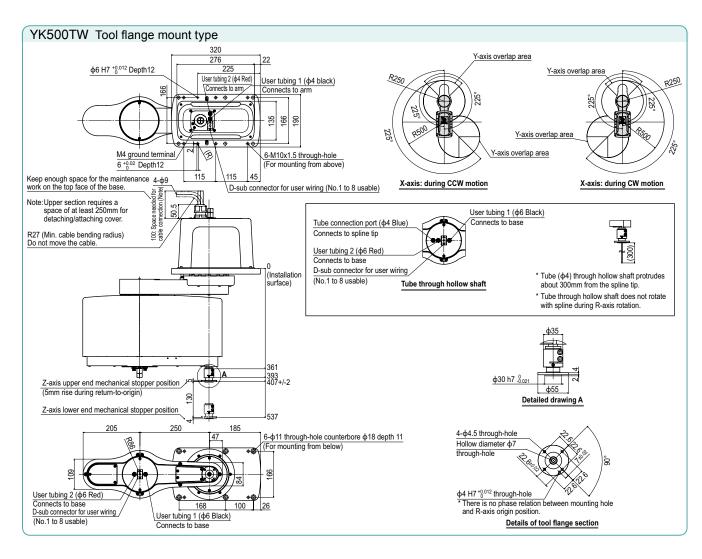
■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication



"Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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.







Arm length 120mm
Maximum payload 1kg

Ordering method

RCX340-4 YK120XG - 50 Cable Specify various controller setting items. RCX340 ▶ P.508 RCX240S BB - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifi	cations						
			X-axis	Y-axis	Z-axis	R-axis	
Axis	xis Arm length		45 mm	75 mm	50 mm	-	
specifications	Rotation ang	le	+/-125 °	+/-145 °	-	+/-360 °	
AC servo mot	or output		30 W	30 W	30 W	30 W	
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled		
	method	Speed reducer to output		Direct-o	coupled		
Repeatability	Note 1		+/-0.0	11 mm	+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		3.3 n	n/sec	0.9 m/sec	1700 °/sec	
Maximum pay	load		1.0 kg				
Standard cycl	e time: with 0.1	lkg payload ^{Note 2}	0.33 sec				
R-axis tolerab	le moment of	inertia ^{Note 3}	0.01 kgm ²				
User wiring			0.1 sq × 8 wires				
User tubing (C	Outer diameter	r)	ф 4 × 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			3.9 kg				
Robot cable w	eight .		0.9 kg (2 m) 1.5 kg (3.5 m)	2.1 kg (5 m) 4	.2 kg (10 m)	

■ Controller							
Controller	Power capacity (VA)	Operation method					
RCX340 RCX240S	300	Programming / I/O point trace / Remote command / Operation using RS-232C communication					

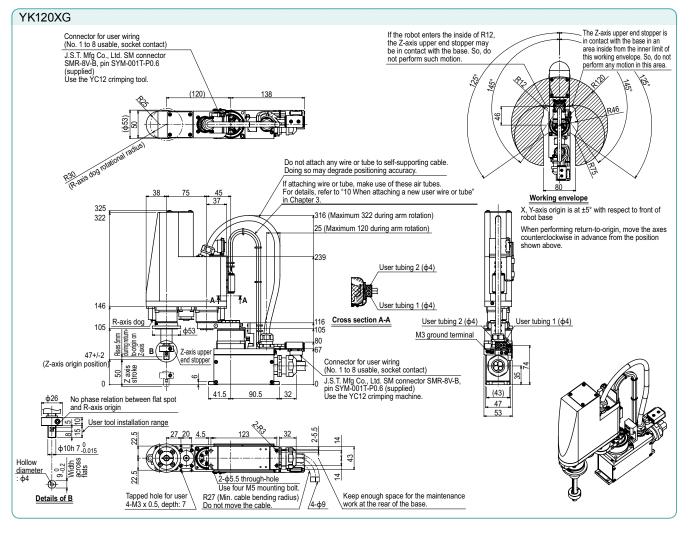
- Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

 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

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

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. There are limits to acceleration coefficient settings. See P.536. Note 4. The total robot weight is the sum of the robot body weight and the cable weight.



YK150XG

Arm length 150mm
Maximum payload 1kg

■ Ordering method

YK150XG - 50 -	RCX340-4-
Model	Controller / Safety standard - Option A - Option B - Option C - Option D - O
10L: 10m	RCX240S - BB
	Controller – CE Marking – Expansion I/O – Network option – iVY System – Gripper – Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Standard type: Tiny type

			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		75 mm	75 mm	50 mm	-	
specifications	Rotation ang	le	+/-125 °	+/-145 °	_	+/-360 °	
AC servo mot	or output		30 W	30 W	30 W	30 W	
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled		
mechanism	method	Speed reducer to output	Direct-c		oupled		
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		3.4 n	n/sec	0.9 m/sec	1700 °/sec	
Maximum pay	load		1.0 kg				
Standard cycl	e time: with 0.	lkg payload Note 2	0.33 sec				
R-axis tolerab	le moment of	inertia Note 3	0.01 kgm ²				
User wiring			0.1 sq × 8 wires				
User tubing (C	Outer diamete	r)	φ 4 × 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				
Robot cable w	reight		0.9 kg (2 m) 1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)				

Contr	oller	
Controller	Power capacity (VA)	Operation method
RCX340 RCX240S	300	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

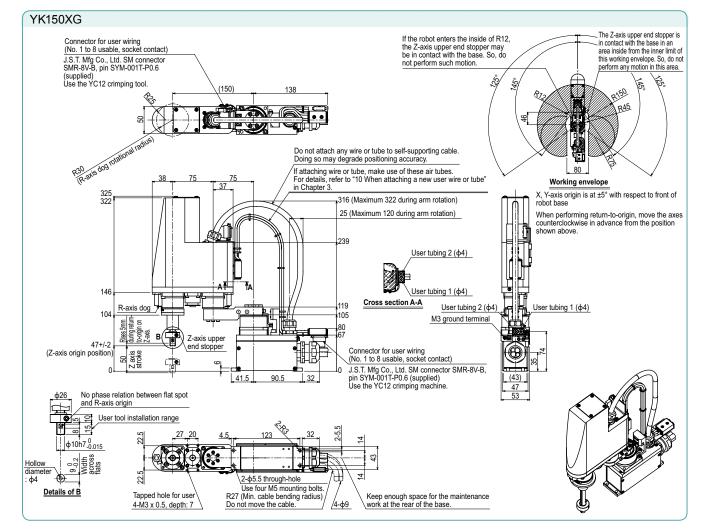
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.) See our robot manuals (installation manuals) for detailed information.

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

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. There are limits to acceleration coefficient settings. See P.536.

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



YK180XC

Standard type: Tiny type

Arm length 180mm
Maximum payload 1kg

■ Ordering method

RCX340-4 YK180XG - 50 Cable Specify various controller setting items. RCX340 ▶ P.508 RCX240S BB - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

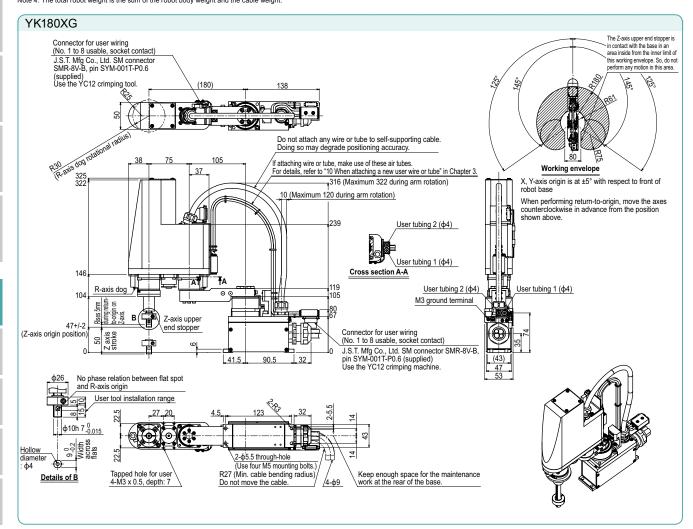
■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		105 mm	75 mm	50 mm	-
specifications	Rotation angl	е	+/-125 °	+/-145 °	-	+/-360 °
AC servo mot	or output		30 W	30 W	30 W	30 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
mechanism	method	Speed reducer to output		Direct-o	coupled	
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum spe	ed		3.3 m/sec 0.9 m/sec		1700 °/sec	
Maximum pay	load		1.0 kg			
Standard cycl	e time: with 0.1	kg payload Note 2		0.33	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}		0.01	kgm²	
User wiring				0.1 sq ×	8 wires	
User tubing (C	Outer diameter)		ф 4	× 2	
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			,Z axis)
Robot cable length			Standard: 2 m Option: 3.5 m, 5 m, 10 m			
Weight (Exclu	ding robot cal	ole) Note 4	4.1 kg			
Robot cable w	/eight		0.9 kg (2 m) 1.5 kg (3.5 m)	2.1 kg (5 m) 4	.2 kg (10 m)

■ Controller					
Controller	Power capacity (VA)	Operation method			
RCX340 RCX240S	500	Programming / I/O point trace / Remote command / Operation using RS-232C communication			

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 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 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. There are limits to acceleration coefficient settings. See P.536. Note 4. The total robot weight is the sum of the robot body weight and the cable weight.



YK180X Standard type: Tiny type

Arm length 180mm
Maximum payload 1kg

■ Ordering method

diameter **P** ф4

Details of B

YK180X - 100

Cable 3L: 3.5m 5L: 5m 10L: 10m

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508 RCX240S

BB - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		71 mm	109 mm	100 mm	-
specifications	Rotation angl	е	+/-120 °	+/-140 °	-	+/-360 °
AC servo mot	or output		50 W	30 W	30 W	30 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
mechanism	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum spe	ed		3.3 m/sec		0.7 m/sec	1700 °/sec
Maximum pay	load		1.0 kg			
Standard cycl	e time: with 0.1	kg payload Note 2		0.39	sec	
R-axis tolerab	le moment of	inertia Note 3		0.01	kgm²	
User wiring				0.1 sq ×	6 wires	
User tubing (0	Outer diameter) ϕ 3 × 2					
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight (Exclu	ding robot cal	ole) Note 4		5.5	kg	
Bohot coble weight			1 E kg (2 E m) 21 kg (E m) 4 2 kg (10 m)			

Controller

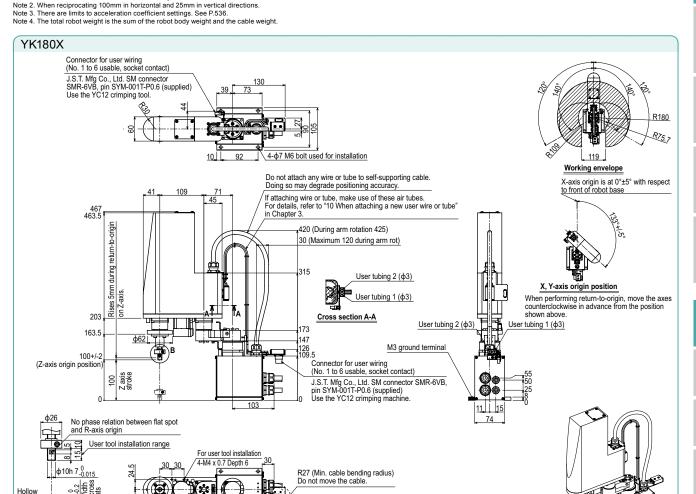
■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 500 RCX240S Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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 http://global.yamaha-motor.com/business/robot/

			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		71 mm	109 mm	100 mm	-
specifications	Rotation angl	le	+/-120 °	+/-140 °	-	+/-360 °
AC servo mot	or output		50 W	30 W	30 W	30 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
meemamsm	method	Speed reducer to output		Direct-o	coupled	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		3.3 n	n/sec	0.7 m/sec	1700 °/sec
Maximum pay	load			1.0	kg	
Standard cycl	e time: with 0.1	lkg payload Note 2	0.39 sec			
R-axis tolerat	ole moment of	inertia Note 3		0.01	kgm²	
User wiring				0.1 sq ×	6 wires	
User tubing (0	Outer diameter	r)		ф 3	× 2	
Travel limit			1.Soft	limit 2.Mechani	cal stopper (X,Y	,Z axis)
Robot cable le	ength		S	Standard: 3.5 m	Option: 5 m, 10	m
Weight (Exclu	iding robot cal	ble) Note 4	5.5 kg			
Robot cable v	ot cable weight 1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)			10 m)		



4-ф9

Keep enough space for the maintenance

work at the rear of the base

YK220X Standard type: Tiny type

Arm length 220mm
Maximum payload 1kg

■ Ordering method YK220X-100

Cable

RCX340-4 Specify various controller setting items. RCX340 ▶ P.508 BB RCX240S

- CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		111 mm	109 mm	100 mm	-
specifications	Rotation ang	le	+/-120 °	+/-140 °	-	+/-360 °
AC servo mot	or output		50 W	30 W	30 W	30 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled			
meenamem	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm +/-0.			+/-0.004 °
Maximum spe	ed		3.4 n	n/sec	0.7 m/sec	1700 °/sec
Maximum pay	load			1.0	kg	
Standard cycl	e time: with 0.1	lkg payload Note 2		0.42	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}		0.01	kgm²	
User wiring 0.1 sq × 6 wire			6 wires			
User tubing (Outer diameter) $\phi \ 3 \times 2$						
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable le	anath		Standard: 3 5 m. Ontion: 5 m. 10 m.			

Contr	■ Controller						
Controller	Power capacity (VA)	Operation method					
RCX340 RCX240S	500	Programming / I/O point trace / Remote command / Operation using RS-232C communication					

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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

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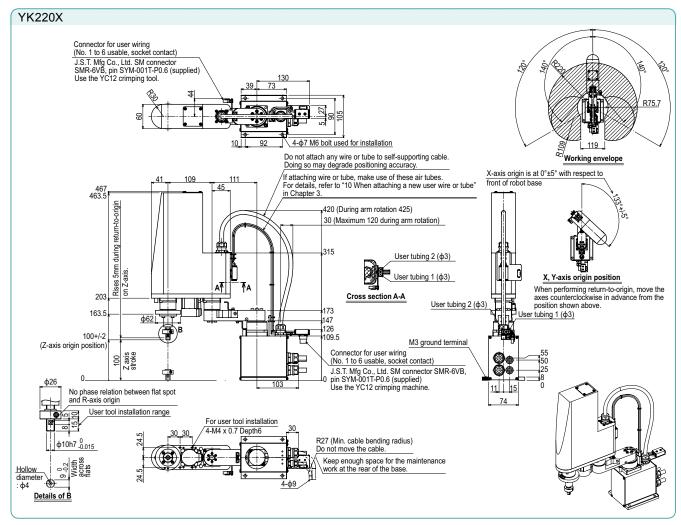
Robot cable length Standard: 3.5 m Option: 5 m, 10 m Weight (Excluding robot cable) Note 4 5.5 kg 1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m) Robot cable weight

Note 1. This is the value at a constant ambient temperature

Note 2. When reciprocating 100mm in horizontal and 25mm in vertical directions.

Note 3. There are limits to acceleration coefficient settings. See P.536.

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





Arm length 250mm Maximum payload 5kg

■ Ordering method

YK250XG - 150

Tool flange - Hollow shaft No entry: None
F: With tool flange

No entry: None
S: With hollow shaft

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508

RCX240S BB - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Specifi	cations						
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		100 mm	150 mm	150 mm	-	
specifications	Rotation ang	le	+/-140 °	+/-144 °	-	+/-360 °	
AC servo mot	or output		200 W	150 W	50 W	100 W	
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled		
	method	Speed reducer to output	Direct-co		oupled:		
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		4.5 m/sec		1.1 m/sec	1020 °/sec	
Maximum pay	load		5 kg (Standard	5 kg (Standard specification), 4 kg (Option specifications Note 4)			
Standard cycl	e time: with 2k	g payload Note 2		0.49	sec		
R-axis tolerab	ole moment of	inertia ^{Note 3}		0.05 kgm² ((0.5 kgfcms ²)		
User wiring				0.2 sq ×	10 wires		
User tubing (0	Outer diameter	r)	ф 4 × 3				
Travel limit	ravel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			18.5 kg				

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.

Note 3. There are limits to acceleration coefficient settings. See P.537.

Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

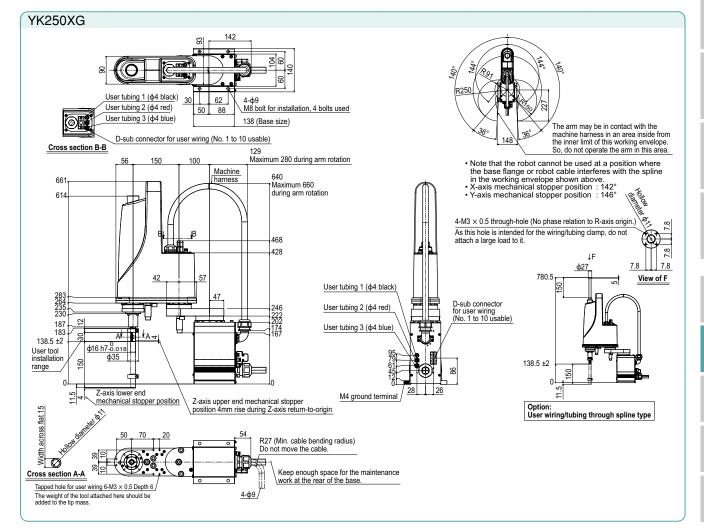
Cont	lollel	
Controller	Power capacity (VA)	Operation method
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

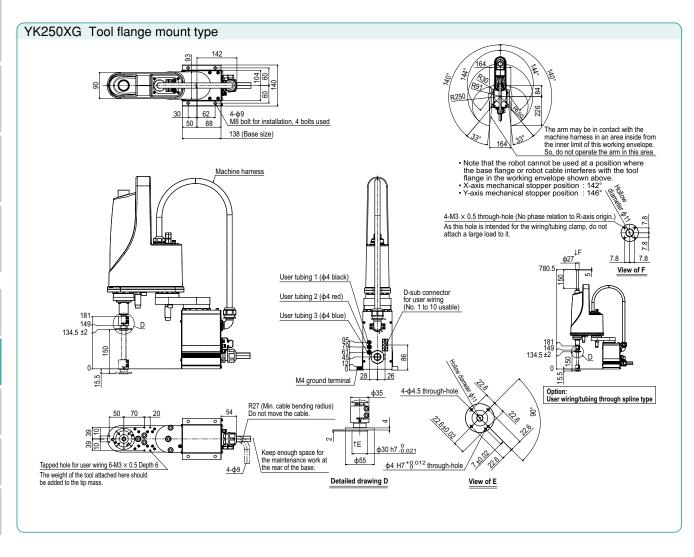
Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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 integration.

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.







Arm length 350mm
Maximum payload 5kg

Ordering method

YK350XG	-	150
Model	-	Z axis stroke

150: 150mm

Tool flange - Hollow shaft No entry: None
F: With tool flange

No entry: None
S: With hollow shaft

Cable RCX240S

RCX340-4 Specify various controller setting items. RCX340 ▶ P.508

Standard type: Small type

■ Controller

BB - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		200 mm	150 mm	150 mm	-
specifications	Rotation ang	le	+/-140 °	+/-144 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-coupled		
moonamom	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum spe	ed		5.6 m/sec 1.1 m/sec		1020 °/sec	
Maximum pay	load		5 kg (Standard specification), 4 kg (Option specifications Note 4)			
Standard cycl	e time: with 2k	g payload Note 2		0.49	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}	0.05 kgm² (0.5 kgfcms²)			
User wiring			0.2 sq × 10 wires			
User tubing (Outer diameter) $\phi 4 \times 3$						
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			19 kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.537.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

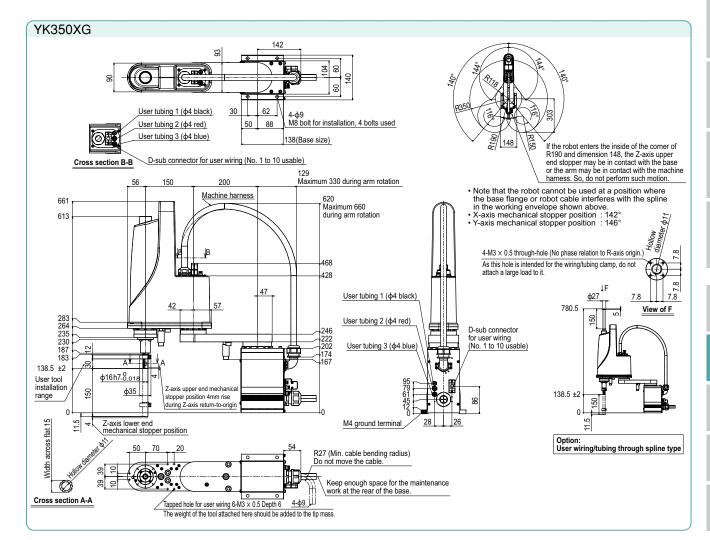
_ COIIL	Toller	
Controller	Power capacity (VA)	Operation method
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

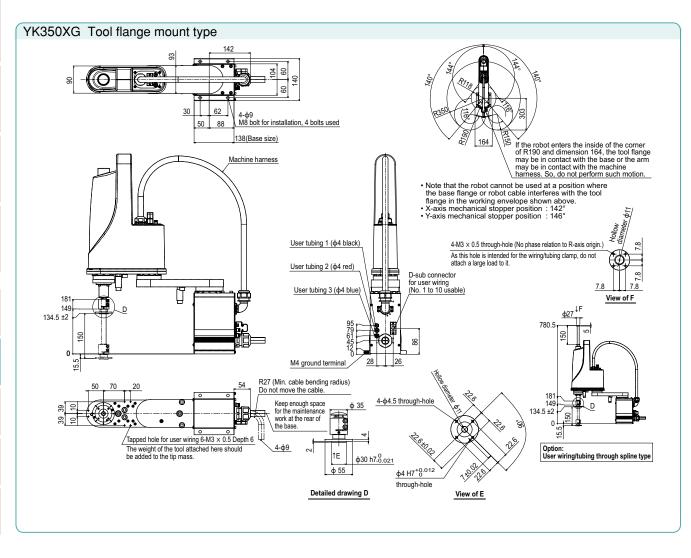
Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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

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.





YK400XG

Arm length 400mm
Maximum payload 5kg

■ Ordering method

YK400XG - 150 -		RCX340-4
Model - Z axis stroke - Tool flange - Hollow shaft - No entry: None - With tool flance :	- Cable 3L: 3.5m 5L: 5m	Number of controllable axes standard (OP.A) (OP.B) (OP.C) (O
	10L: 10m	Specify various controller setting items. RCX340 ▶

Standard type: Small type

BB CE Marking - Expan n I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		250 mm	150 mm	150 mm	-
specifications	Rotation ang	le	+/-140 °	+/-144 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled	
	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm +/-		+/-0.004 °	
Maximum spe	ed		6.1 n	n/sec	1.1 m/sec	1020 °/sec
Maximum pay	load		5 kg (Standard specification), 4 kg (Option specifications Note 4)			
Standard cycl	e time: with 2k	g payload Note 2	0.49 sec			
R-axis tolerab	le moment of	inertia ^{Note 3}	0.05 kgm² (0.5 kgfcms²)			
User wiring			0.2 sq × 10 wires			
User tubing (Outer diameter)			ф 4 × 3			
Travel limit		1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			19.5 kg			

- Note 1. This is the value at a constant ambient temperature. (X,Y axes)

- Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.

 Note 3. There are limits to acceleration coefficient settings. See P.538.

 Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

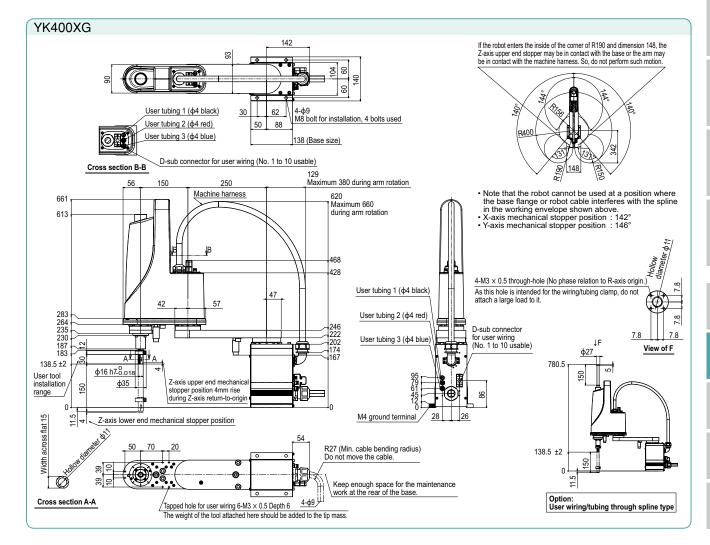
Cont		
Controller	Power capacity (VA)	Operation method
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

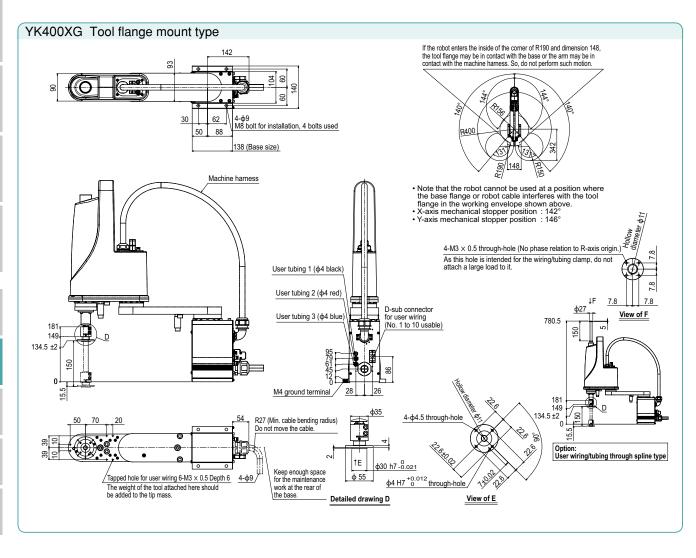
Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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.

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.





Standard type: Small type

LOW COST HIGH PERFORMANCE MODEL

Arm length 400mm
Maximum payload 3kg

Ordering method

YK400XR S: Sensor T: Stroke end

150 Z axis stroke

No entry: None S: With hollow shaft 3L: 3.5m 5L: 5m 10L: 10m

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508

4: 4 pcs. 3: 3 pcs. 2: 2 pcs. 1: 1 pc. 0: 0 pc.

■ Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		225 mm	175 mm	150 mm	-
specifications	Rotation angl	le	+/-132 °	+/-150 °	-	+/-360 °
AC servo mot	or output		200 W	100 W	100 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Belt speed reduction
Deceleration mechanism	Tuenemiesien	Motor to speed reducer	Direct-coupled		Timing belt	
me	method	Speed reducer to output	Direct-coupled			Timing belt
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm		+/-0.01 mm	+/-0.01 °
Maximum spe	ed		6 m	/sec	1.1 m/sec	2600 °/sec
Maximum pay	load		3 kg (Standard	d specification), 2	kg (Option spe	cifications Note 4)
Standard cycl	e time: with 2k	g payload Note 2		0.45	sec	
R-axis toleral	le moment of	inertia Note 3	0.05 kgm² (0.5 kgfcms²)			
User wiring		0.2 sq × 10 wires				
User tubing (Outer diameter)		φ 4 × 3				
Travel limit		1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			S	Standard: 3.5 m	Option: 5 m, 10	m

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions and performing the coarse positioning arch operation.
Note 3. It is necessary to input the moment of inertia in the actual operating environment.
Note 4. Maximum payload of option specifications (with user wiring/tubing through spline type) is 2kg.

■ Cont	■ Controller					
Controller	Power capacity (VA)	Operation method				
RCX340	1000	Programming / Remote command / Operation using RS-232C communication				

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

Note. The movement range can be restricted by adding the X- and Y-axis mechanical stoppers. (The maximum movement range was set at shipment.) See our robot manuals (installation manuals) for detailed

Information.

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.

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YK400XR	
Option User wiring and tubing routed through spline shaft.	User wiring connector (Numbers 1 to 10 are usable.) J.S.T. Connector SMR-11V-B Pin: SYM-001T-P0.6 is attached. Use AP-K2N for the crimping machine. User tubing 1 (\$\delta\$ black) User tubing 2 (\$\delta\$ fed! User tubing 3 (\$\delta\$ black) User tubing 3 (\$\delta\$ black) User tubing 3 (\$\delta\$ black) WX-axis origin position (Sensor specification) When performing return-to-origin, move both the X-axis and Y-axis and Y-ax
As this hole is intenwiring/fubing clamp, attach a large load to the large load to t	As axis mechanical stopper position: 13 X-axis mechanical stopper position: 13 X-axis mechanical stopper position: 13 X-axis mechanical stopper position: 15 X-axi

17 kg



Standard type: Medium type

Arm length 500mm
Maximum payload 5kg

■ Ordering method

YK500XGL-150

Tool flange - Hollow shaft - Cable No entry: None
F: With tool flange
S: With hollow shaft

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508

RCX240S BB - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		250 mm	250 mm	150 mm	-
specifications	Rotation angl	е	+/-140 °	+/-144 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
mechanism	Transmission	Motor to speed reducer		Direct-coupled		
	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm +/-0.		+/-0.004 °	
Maximum spe	ed		5.1 m/sec 1.1 m/sec 1020 °/s			1020 °/sec
Maximum pay	load		5 kg (Standard specification), 4 kg (Option specifications Note 4)			
Standard cycl	e time: with 2k	g payload ^{Note 2}		0.59	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}	0.05 kgm² (0.5 kgfcms²)			
User wiring			0.2 sq × 10 wires			
User tubing (Outer diameter)			ф 4 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight				21	kg	

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.538.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

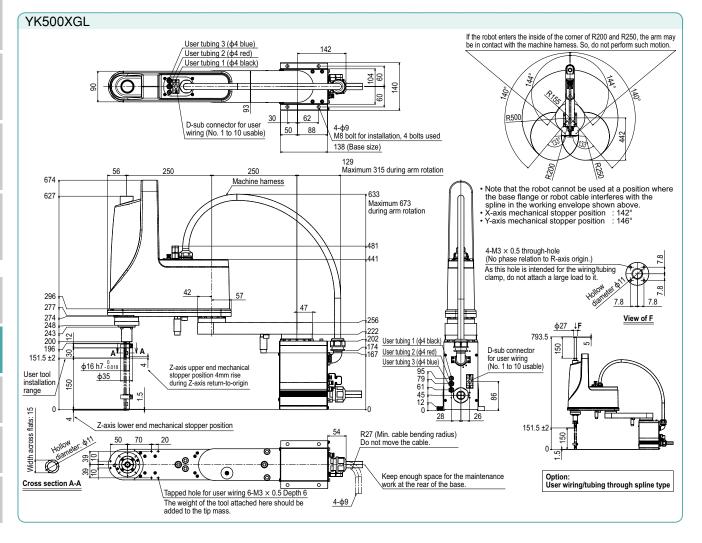
■ Controller					
Controller	Power capacity (VA)	Operation method			
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C			

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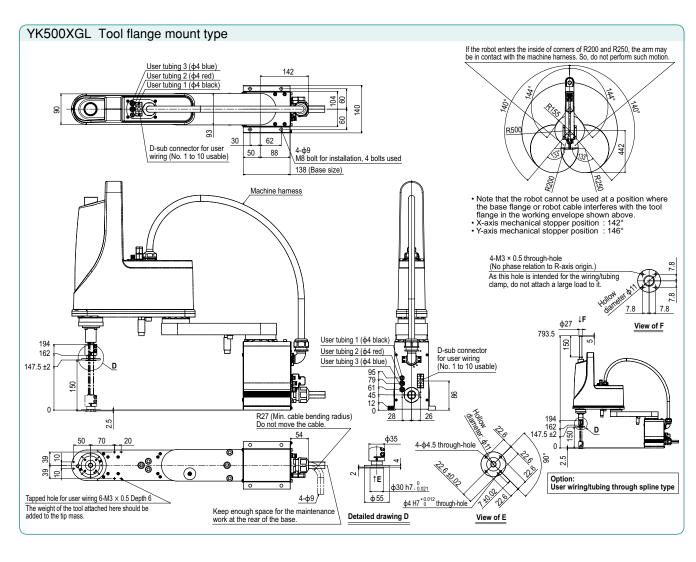
of Harmonic Drive Systems Inc.

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

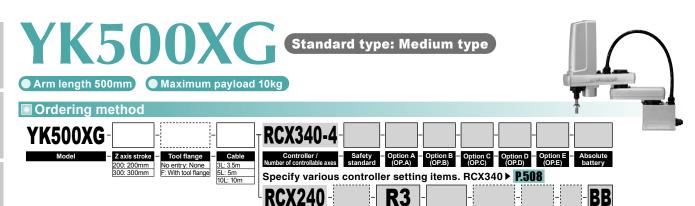
To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.



Dust-proof & drip-proof



Weight



			Sp	ecify variou	s controller	setting items.	RCX240/RC	x240S ▶ P.495	
■ Specif	ications						■ Contr	oller	
			X-axis	Y-axis	Z-axis	R-axis	Controller	Power capacity (VA	
Axis	Arm length		200 mm	300 mm	200 mm 300 mm	-			
specifications	Rotation ang	le	+/-130 °	+/-145 °	-	+/-360 °	RCX340	1700	
AC servo mot	or output		400 W	200 W	200 W	200 W	RCX240-R3		
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive			
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled						
moonamom	method	Speed reducer to output		Direct-	coupled				
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm +/-0.004 °						
Maximum spe	ed		7.6 m/sec 2.3 m/sec 1.7 m/sec 1700 °/sec		1700 °/sec	Note. "Harmonic" and "Harmonic drive" are of Harmonic Drive Systems Inc.			
Maximum pay	load		10 kg			Note. The movement range can be limited			
Standard cycl	Standard cycle time: with 2kg payload Note 2		0.45 sec			of X and Y axis mechanical stoppers			
R-axis tolerable moment of inertia Note 3			0.30 kgm²				See our ro	See our robot manuals (installation r	
User wiring				0.2 sq ×	20 wires		Note. To set the	standard coordinates with	
User tubing (Outer diameter)		ф 6 × 3			standard coordinate setting jig (option manual (installation manual) for more				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			,			
Robot cable I	ength		Standard: 3.5 m Option: 5 m, 10 m Our robot manuals (in downloaded from our			oot manuals (Installation m laded from our website at t			
			1				1		

■ Controller Controller | Power capacity (VA) | Operation method Programming / I/O point trace RCX340 Remote command / 1700 RCX240-R3 Operation using RS-232C communication

ratizve unit - Expansion I/O - Network option - iVY System - Gripper - Battery

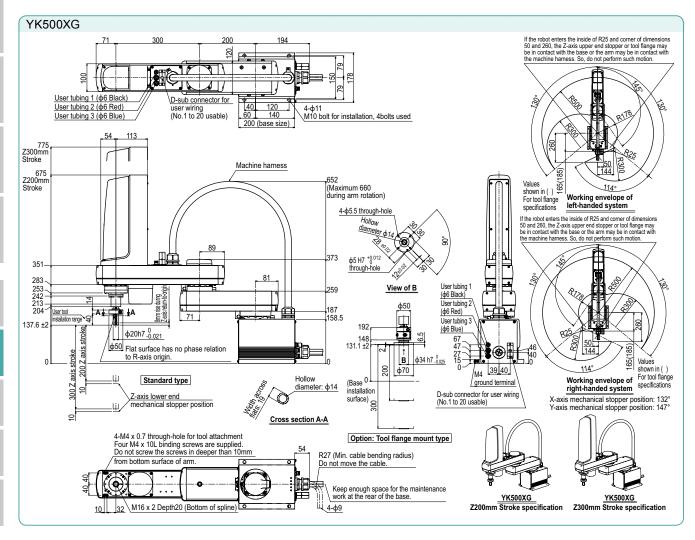
Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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

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.

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Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions. Note 3. There are limits to acceleration coefficient settings. See P.539.



30 kg

YK600XG

Arm length 600mm
Maximum payload 5kg

■ Ordering method

YK600XGL 150

Tool flange - Hollow shaft No entry: None
F: With tool flange
S: With hollow shaft

RCX340-4 Specify various controller setting items. RCX340 ▶ P.508

RCX240S - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

BB

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		350 mm	250 mm	150 mm	-
specifications	Rotation ang	le	+/-140 °	+/-144 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
moonamom	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm +/-		+/-0.004 °	
Maximum spe	ed		4.9 n	n/sec	1.1 m/sec	1020 °/sec
Maximum pay	load		5 kg (Standard specification), 4 kg (Option specifications Note 4)			
Standard cycl	e time: with 2k	g payload Note 2	0.63 sec			
R-axis tolerab	ole moment of	inertia ^{Note 3}	0.05 kgm² (0.5 kgfcms²)			
User wiring			0.2 sq × 10 wires			
User tubing (Outer diameter)			φ 4 × 3			
Travel limit		1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			22 kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.

Note 3. There are limits to acceleration coefficient settings. See P.538.

Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

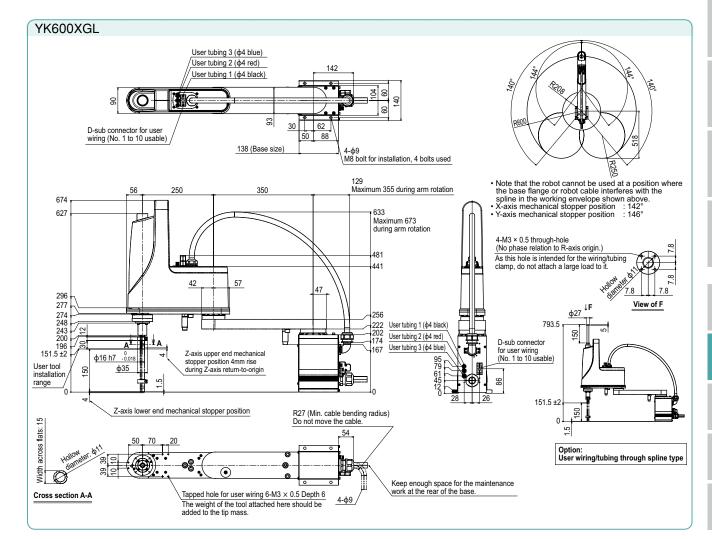
Controlle	Power capacity (VA)	Operation method			
RCX340 RCX240S		Programming / I/O point trace / Remote command / Operation using RS-232C communication			

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

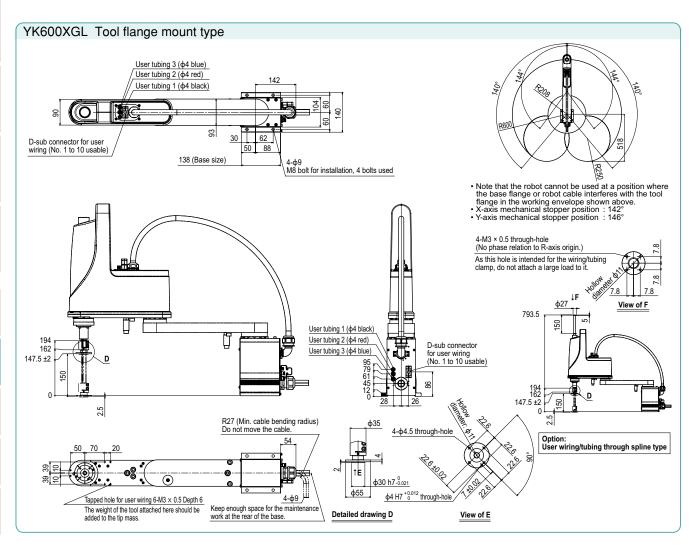
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed integration.

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.



Dust-proof



Arm length 600mm Maximum payload 10kg

YK600XC

■ Ordering method

YK600XG

200: 200mm No entry: None S: With tool flange

Tool flange Cable 3L: 3.5m 5L: 5m 10L: 10m

RCX340-4

R3

Specify various controller setting items. RCX340 ▶ P.508

BB atizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications								
			X-axis	Y-axis	Z-axis	R-axis		
Axis	Arm length		300 mm	300 mm	200 mm 300 mm	-		
specifications	Rotation ang	е	+/-130 °	+/-145 °	_	+/-360 °		
AC servo mot	or output		400 W	200 W	200 W	200 W		
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive		
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled			
	method	Speed reducer to output		Direct-coupled				
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °		
Maximum spe	ed		8.4 n	n/sec	2.3 m/sec 1.7 m/sec	1700 °/sec		
Maximum pay	load		10 kg					
Standard cycl	e time: with 2k	g payload ^{Note 2}		0.46	Ssec			
R-axis tolerab	le moment of	inertia Note 3		0.30	kgm²			
User wiring			0.2 sq × 20 wires					
User tubing (Outer diameter)			ф 6 × 3					
Travel limit		1.Soft limit 2.Mechanical stopper (X,Y,Z axis)						
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m					
Weight				31	kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions. Note 3. There are limits to acceleration coefficient settings. See P.539.

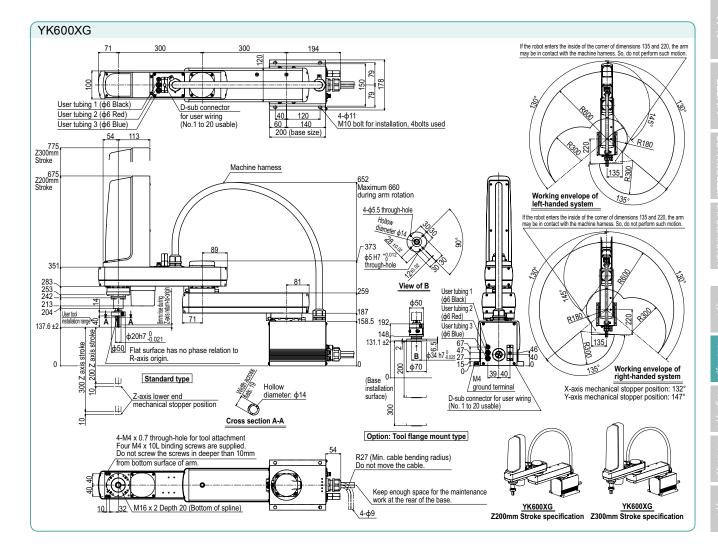
Controller					
Controller	Power capacity (VA)	Operation method			
RCX340 RCX240-R3	1700	Programming / I/O point trace / Remote command / Operation using RS-232C communication			

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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. information

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.





Standard type: Medium type

Arm length 600mm
Maximum payload 20kg

■ Ordering method

YK600XGH Tool flange 200: 200mm 400: 400mm No entry: None F: With tool flange

Cable

RCX340-4 Specify various controller setting items. RCX340 ▶ P.508

RCX240

R3

eratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

■ Controller

RCX340

RCX240-R3

BB

Controller | Power capacity (VA) | Operation method

Programming / I/O point trace

Remote command /

Operation using RS-232C communication

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		200 mm	400 mm	200 mm 400 mm	-
specifications	Rotation angl	е	+/-130 °	+/-150 °	-	+/-360 °
AC servo mot	or output		750 W	400 W	400 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.02 mm		+/-0.01 mm	+/-0.004 °
Maximum spe	ed		7.7 n	n/sec	2.3 m/sec 1.7 m/sec	920 °/sec
Maximum pay	load		20 kg			
Standard cycl	e time: with 2k	g payload Note 2	0.47 sec			
R-axis tolerab	le moment of	inertia ^{Note 3}	1.0 kgm ²			
User wiring			0.2 sq × 20 wires			
User tubing (Outer diameter)			ф 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis 200 mm: 48 kg Z axis 400 mm: 50 kg			

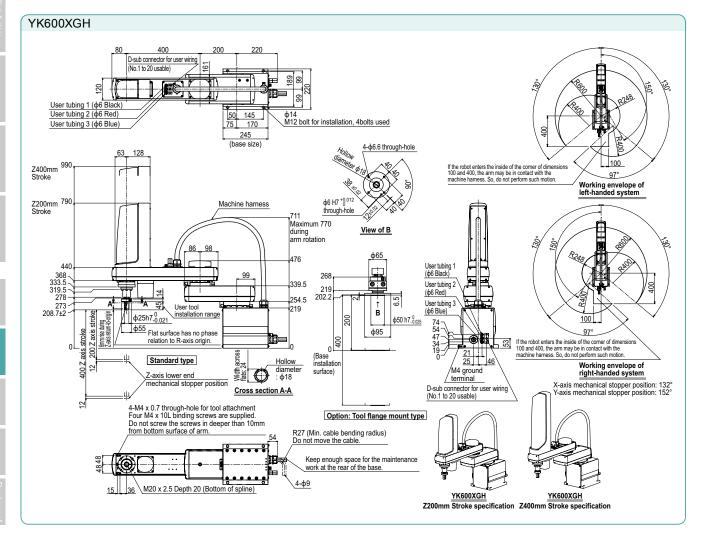
2500

"Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.
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

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://global.yamaha-motor.com/business/robot/

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.



Arm length 700mm Maximum payload 10kg

Note. This model is a special order product. Please consult us for delivery time.

Standard type: Large type

Ordering method

YK700XGL-		-	-	- RCX340-4 -	_	-	-	-			
	Z axis stroke - 200: 200mm	No entry: None	- Cable 3L: 3.5m	Controller / Number of controllable axes	Safety – standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute battery
	300: 300mm	F: With tool flange	5L: 5m								

Specify various controller setting items. RCX340 ▶ P.508

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		400 mm	300 mm	200 mm 300 mm	-	
specifications	Rotation angl	е	+/-130 °	+/-145 °	-	+/-360 °	
AC servo mot	or output		400 W	200 W	200 W	200 W	
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled				
meenamem		Speed reducer to output	Direct-coupled				
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.005 °	
Maximum spe	ed		9.2 r	n/sec	2.3 m/sec 1.7 m/sec	1700 °/sec	
Maximum pay	load		10 kg (Standard type), 9 kg (Option: Tool flange mount type)				
Standard cycl	e time: with 2k	g payload Note 2		0.50	sec .		
R-axis tolerab	le moment of	inertia ^{Note 3}	0.30 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (C	User tubing (Outer diameter)			ф6 × 3			
Travel limit	Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5, 10 m				
Weight			32 kg				

■ Controller

RCX340

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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.

Controller Power capacity (VA) Operation method

1700

Programming / I/O point trace / Remote command /

Operation using RS-232C communication

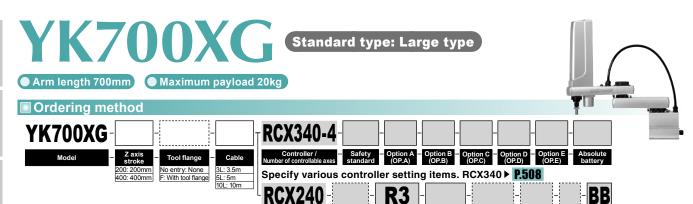
Information.

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://global.yamaha-motor.com/business/robot/

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings.

YK700XGL	
User tubing 2 (\$\phi\$ Red) User tubing 3 (\$\phi\$ Blue) 54 113 775 Z300mm	Working envelope of right-handed system
Stroke Z200mm Stroke Machine hamess 652 Maximum 710 during arm rotation 4-65.5 through-hole Hollow Gamele: 614 28***-0.02** April 192 187 192 187 192 188 187 192 187 192 187 192 188 188 188 188 188 188 188	Working envelope of left-handed system
Variable Variable	46 27 15 15 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Keep enough space for the maintenance work at the rear of the base. M16 x 2 Depth 20 (Bottom of spline) R27 (Min. cable bending radius) Do not move the cable.	YK700XGL 200mm Stroke specification YK700XGL Z300mm Stroke specification



ф 6 × 3

1.Soft limit 2.Mechanical stopper (X,Y,Z axis)

Standard: 3.5 m Option: 5 m, 10 m

Z axis 200 mm: 50 kg Z axis 400 mm: 52 kg

Specifications X-axis Y-axis Z-axis R-axis 200 mm 400 mm Arm length 300 mm 400 mm specifications Rotation angle +/-130 ° +/-150 ° +/-360 400 W 200 W 750 W 400 W AC servo motor output Speed reducer Harmonic drive Harmonic drive Ball screw Harmonic drive Transmission Motor to speed reducer Direct-coupled mechanism method Speed reducer to output Direct-coupled Repeatability +/-0.02 mm +/-0.01 mm +/-0.004 Maximum speed 8.4 m/sec 2.3 m/sec 1.7 m/sec 920 °/sec Maximum payload 20 kg Standard cycle time: with 2kg payload Note 2 0.42 sec 1.0 kgm R-axis tolerable moment of inertia Note 3 User wiring 0.2 sq × 20 wires

Controller Power capacity (VA) Operation m Programmii I/O point tra	
	ethod
RCX340 2500 Remote commo Operation using RS-2: communica	ace / mand / on 32C

eratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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

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://global.yamaha-motor.com/business/robot/

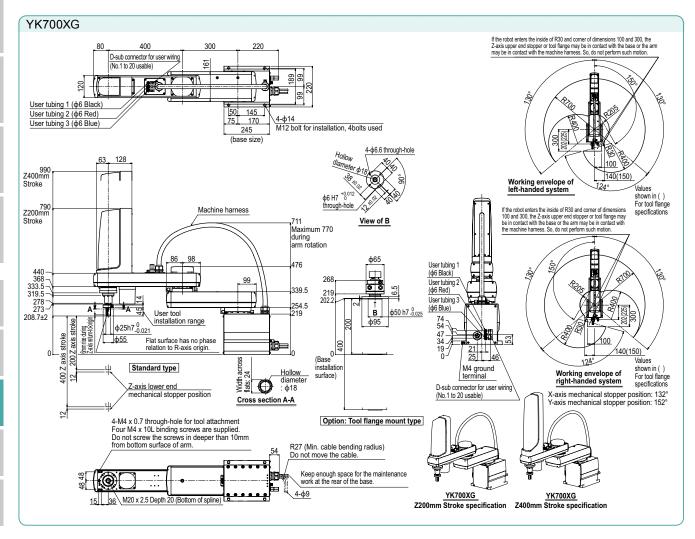
User tubing (Outer diameter)

Travel limit

Weight

Robot cable length

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.





	THE PARTY NAMED IN
☐ Ordering method	Tu -
YK800XG	
Model - Z axis stroke - Tool flange - Cable Stroke 200: 200mm 400: 400mm 400: 400mm F: With tool flange F	(OP.E) battery
RCX240 - R3	- BB
Controller — CE Marking — Regenerative unit — Expansion IIO — Network option — IVY	

Standard type: Large type

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Specific	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		400 mm	400 mm	200 mm 400 mm	-
specifications	Rotation ang	le	+/-130 °	+/-150 °	-	+/-360 °
AC servo mot	or output		750 W	400 W	400 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission method	Motor to speed reducer		Direct-	coupled	
		Speed reducer to output	Direct-coupled			
Repeatability	Repeatability Note 1)2 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		9.2 r	n/sec	2.3 m/sec 1.7 m/sec	920 °/sec
Maximum pay	load		20 kg			
Standard cycl	e time: with 2k	g payload Note 2	0.48 sec			
R-axis tolerab	le moment of	inertia Note 3	1.0 kgm ²			
User wiring			0.2 sq × 20 wires			
User tubing (0	Outer diameter	r)	ф 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis 200 mm: 52 kg Z axis 400 mm: 54 kg			

Specifications

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.

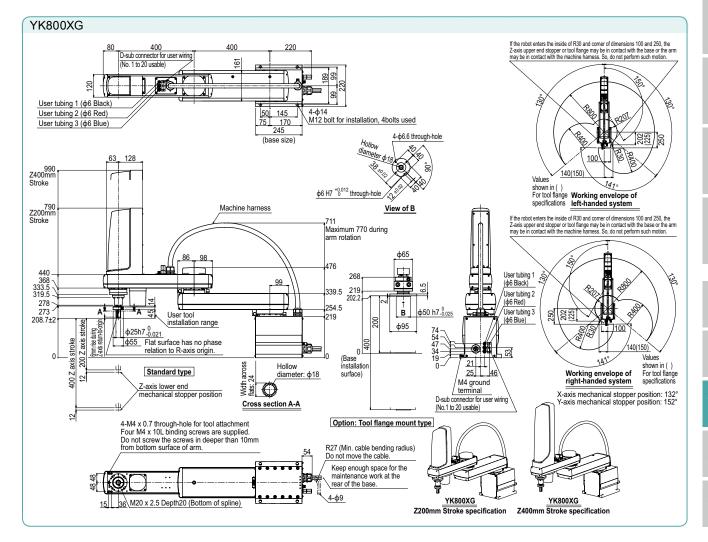
Controller							
Controller	Power capacity (VA)	Operation method					
RCX340 RCX240-R3	2500	Programming / I/O point trace / Remote command / Operation using RS-232C communication					

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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. information

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.





Standard type: Large type

■ Ordering method

YK900XG

Model

200: 200mm No entry: None F: With tool flange

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508

eratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

BB

Specify various controller setting items. RCX240/RCX240S▶ P.495

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		500 mm	400 mm	200 mm 400 mm	-	
specifications	Rotation angl	е	+/-130 °	+/-150 °	_	+/-360 °	
AC servo mot	or output		750 W	400 W	400 W	200 W	
Deceleration mechanism	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
	Transmission	Motor to speed reducer		Direct-	coupled		
	method	Speed reducer to output	Direct-coupled				
Repeatability	Note 1		+/-0.02 mm		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		9.9 m/sec 2.3 m/sec 1.7 m/sec 920 °/s			920 °/sec	
Maximum pay	load		20 kg				
Standard cycl	e time: with 2k	g payload ^{Note 2}	0.49 sec				
R-axis tolerab	le moment of	inertia ^{Note 3}	1.0 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (C	Outer diameter)	φ6×3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			Z axis 200 mm: 54 kg Z axis 400 mm: 56 kg				

Controller Controller | Power capacity (VA) | Operation method Programming / I/O point trace RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

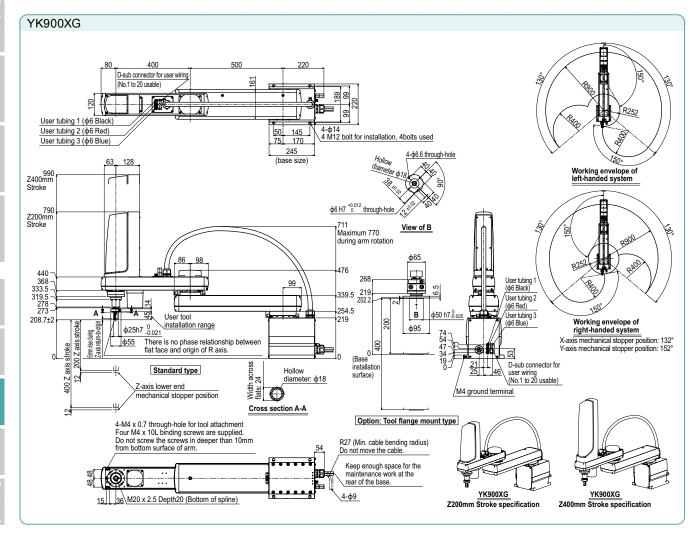
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The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.) See our robot manuals (installation manuals) for detailed

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.

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Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.





■ Ordering method RCX340-4 YK1000XG Specify various controller setting items. RCX340 ▶ P.508 BB R3 eratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Standard type: Large type

Specific	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		600 mm	400 mm	200 mm 400 mm	-
specifications	Rotation ang	le	+/-130 °	+/-150 °	-	+/-360 °
AC servo mot	or output		750 W	400 W	400 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission	Motor to speed reducer	Direct-coupled			
	method	Speed reducer to output	Direct-coupled		coupled	
Repeatability	Note 1		+/-0.0)2 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		10.6 m/sec		2.3 m/sec 1.7 m/sec	920 °/sec
Maximum pay	load		20 kg			
Standard cycl	e time: with 2k	g payload Note 2	0.49 sec			
R-axis tolerab	le moment of	inertia Note 3	1.0 kgm ²			
User wiring			0.2 sq × 20 wires			
User tubing (0	Outer diameter	r)	φ 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis 200 mm: 56 kg Z axis 400 mm: 58 kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.

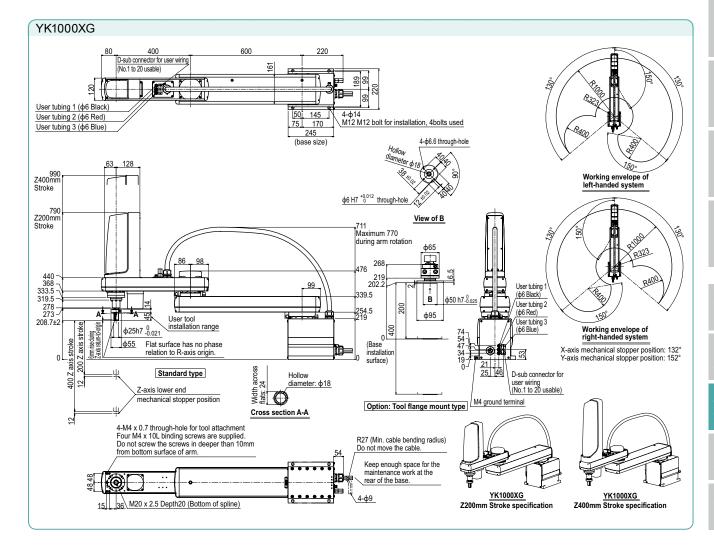
Contr	oller	
Controller	Power capacity (VA)	Operation method
RCX340 RCX240-R3	2500	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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. information

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.





Standard type: Large type

Arm length 1200mm
Maximum payload 50kg

■ Ordering method

YK1200X-400

RCX340-4

BB

Specify various controller setting items. RCX340 ▶ P.508 RCX240

ratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery Specify various controller setting items. RCX240/RCX240S▶ P.495

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		600 mm	600 mm	400 mm	-
specifications	Rotation ang	le	+/-125 °	+/-150 °	-	+/-360 °
AC servo mot	or output		900 W	800 W	600 W	400 W
	Speed reduce	er	Planetary gear	Planetary gear	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer	peed reducer Direct-coupled		Timing belt transmission	Timing belt transmission
	method	Speed reducer to output	Direct-	coupled	Direct-coupled	Direct-coupled
Repeatability	Note 1		+/-0.05 mm		+/-0.02 mm	+/-0.005 °
Maximum spe	ed		7.4 m/sec		0.75 m/sec	600 °/sec
Maximum pay	load		50 kg			
Standard cycl	e time: with 2k	g payload Note 2	0.91 sec			
R-axis tolerab	ole moment of	inertia ^{Note 3}	2.45 kgm ²			
User wiring			0.2 sq × 20 wires			
User tubing (Outer diameter)			ф 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m			
Weight			124 kg			

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R Operation using RS-232C communication

Щ

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

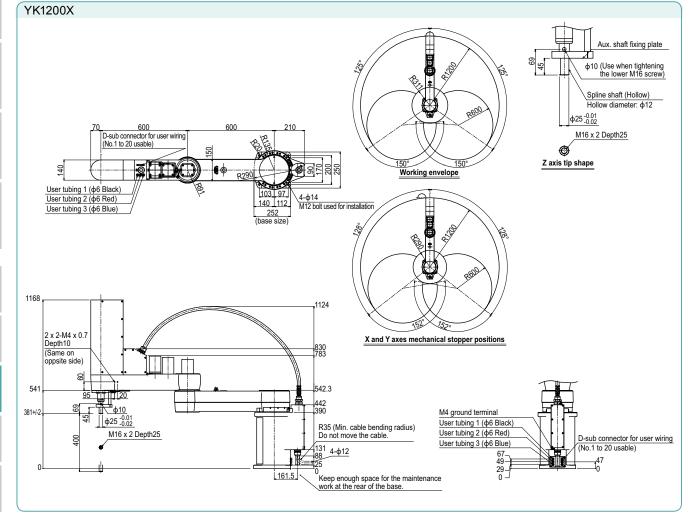
Traimonic and Harmonic drive are the registered trademark of Harmonic Drive Systems Inc.

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 http://global.yamaha-motor.com/business/robot/

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.540.



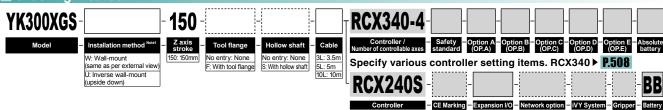
YK300XGS

Arm length 300mm Maximum payload 5kg

Note. Built-to-order product Contact us for the delivery period

Wall-mount / inverse type

■ Ordering method



Specify various controller setting items. RCX240/RCX240S ▶ P.495

Note 1. When installing the robot, always follow the specifications When installing the robot, arrays follow the specimeanous.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling Incorrect installation can cause trouble or malfunction.

			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		150 mm	150 mm	150 mm	-	
pecifications Rotation angle		+/-120 °	+/-130 °	_	+/-360 °		
AC servo motor output			200 W	150 W	50 W	100 W	
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer			ect-coupled	oupled	
	method	Speed reducer to output					
Repeatability Note 1			+/-0.0	11 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed		4.4 n	n/sec	1.0 m/sec	1020 °/sec (wall-mount) 720 °/sec (inverse wall-moun		
Maximum payload			5 kg (Standard specification), 4 kg (Option specifications Note 4)				
Standard cycle time: with 2kg payload Note 2			0.49 sec				
R-axis tolerable moment of inertia Note 3			0.05 kgm ²				
User wiring			0.2 sq × 10 wires				
User tubing (Outer diameter)			ф 4 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			19.5 kg				

Note 1. This is the value at a constant ambient temperature.

Note 2. When reciprocating 25mm horizontally and 300mm horizontally (with a 2kg payload in rough-positioning arch motion).

Note 3. There are limits to acceleration coefficient settings. See P.537.

Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

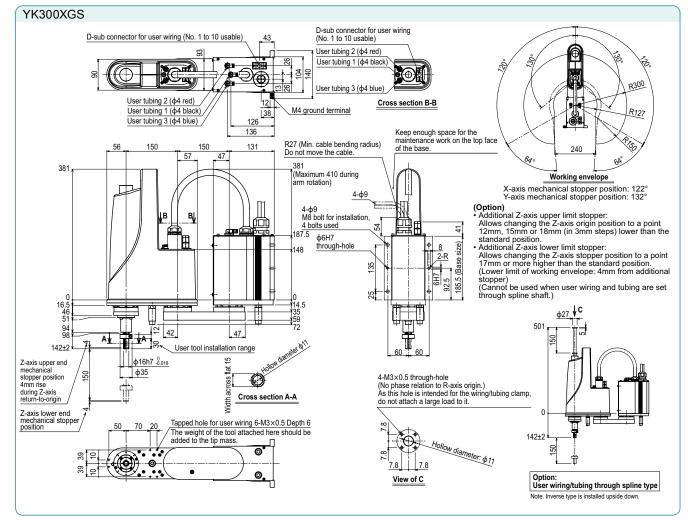
■ Controller			
Controller	Power capacity (VA)	Operation method	
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication	

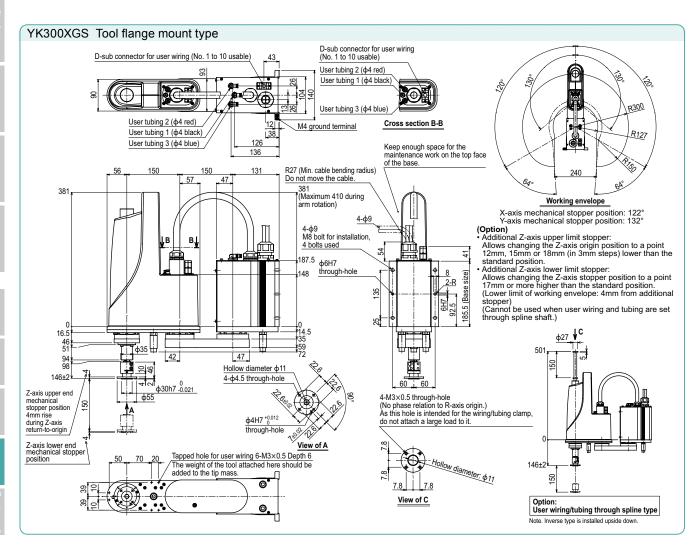
Note. "Harmonic" and "Harmonic drive" are the registered trademarks

Note: "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

Note. The movement range can be limited by changing the position of Y axis mechanical stopper. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.





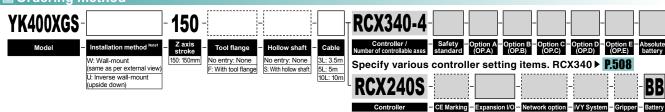
YK400XGS

Arm length 400mm Maximum payload 5kg

Note. Built-to-order product Contact us for the delivery period.

Wall-mount / inverse type

Ordering method



Specify various controller setting items. RCX240/RCX240S ▶ P.495

Note 1. When installing the robot, always follow the specifications.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		250 mm	150 mm	150 mm	-	
specifications	Rotation angle		+/-125 °	+/-144 °	-	+/-360 °	
AC servo motor output			200 W	150 W	50 W	100 W	
Deceleration	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
mechanism	Transmission	Motor to speed reducer	Direct-coupled				
	method	Speed reducer to output	Direct-coupled				
Repeatability Note 1			+/-0.0	11 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed		6.1 n	n/sec	1.1 m/sec	1020 °/sec (wall-mount 720 °/sec (inverse wall-mount		
Maximum payload			5 kg (Standard specification), 4 kg (Option specifications Note 4)				
Standard cycle time: with 2kg payload Note 2			0.49 sec				
R-axis tolerable moment of inertia Note 3			0.05 kgm ²				
User wiring			0.2 sq × 10 wires				
User tubing (Outer diameter)			ф 4 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			20 kg				

Note 1. This is the value at a constant ambient temperature.

Note 2. When reciprocating 25mm horizontally and 300mm horizontally (with a 2kg payload in rough-positioning arch motion).

Note 3. There are limits to acceleration coefficient settings. See P.538.

Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

■ Controller				
Controller	Power capacity (VA)	Operation method		
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication		

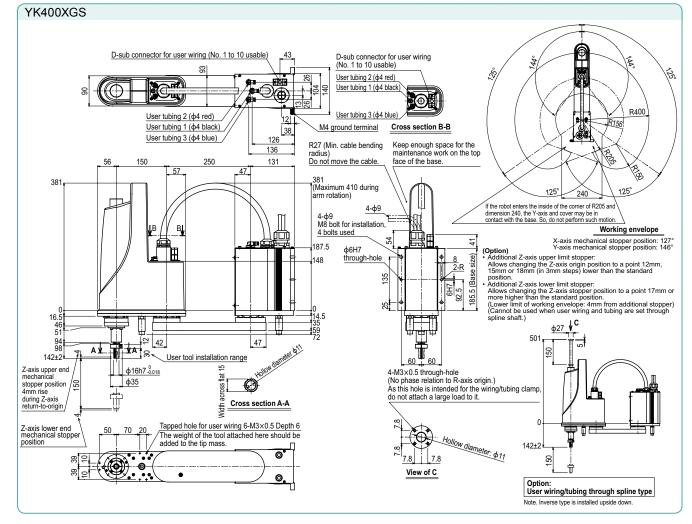
Note. "Harmonic" and "Harmonic drive" are the registered trademarks

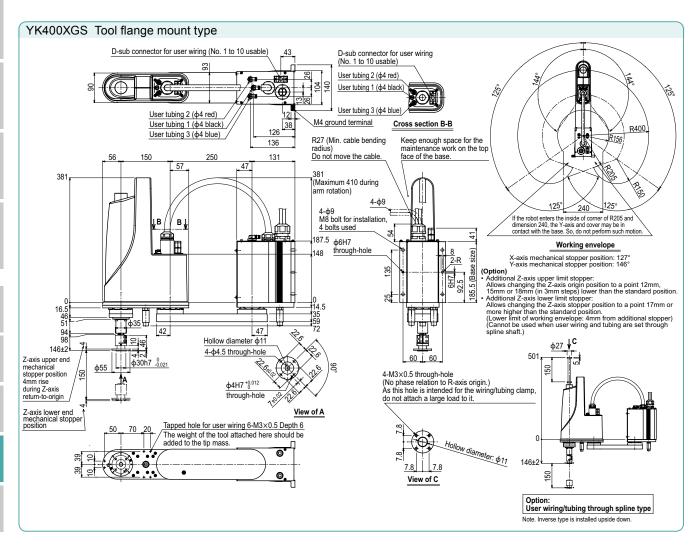
Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

Note. The movement range can be limited by changing the position of Y axis mechanical stopper. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed

information.





Cable

YK500XGS-W (Wall-mount)

YK500XGS-U (Inverse wall-mount)

RCX340-4 Specify various controller setting items. RCX340 ▶ P.508 **R3** BB **RCX240**

CE Marking — Regeneratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Ordering method

YK500XGS Model

Arm length 500mm
Maximum payload 10kg

W: Wall-mount (same as per external view) U: Inverse wall-mount (upside down)

Note 1. When installing the robot, always follow the specifications.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		200 mm	300 mm	200 mm 300 mm	-	
specifications	ations Rotation angle		+/-105°	+/-125 °	_	+/-360 °	
AC servo motor output			400 W	200 W	200 W	200 W	
Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive		
Deceleration mechanism	Transmission	Motor to speed reducer		Dir	ect-coupled		
mechanism	method	Speed reducer to output		Dir	ect-coupled		
Repeatability	Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		7.6 m	n/sec	2.3 1.7 m/sec m/sec	1700 °/sec (wall-mount 800 °/sec (inverse wall-moun	
Maximum pay	load		10 kg (Standard specification), 9 kg (Option specifications)				
Standard cycl	e time: with 2k	g payload Note 2	0.45 sec				
R-axis tolerab	le moment of	inertia Note 3	0.30 kgm²				
User wiring			0.2 sq × 20 wires				
User tubing (C	Outer diameter	r)	ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m				
Weight			30 kg				

200: 200mm No entry: None 300: 300mm F: With tool flange

■ Controller Controller | Power capacity (VA) | Operation method Programming / I/O point trace / RCX340 Remote command / 1700 RCX240-R3 Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

Note: Harmonic and Harmonic orive are the registered trademarks of Harmonic Drive Systems Inc.

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: http://global.yamaha-motor.com/business/robot/

Note 1. This is me value at a Constant emperature. (A, r axes) Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions. Note 3. There are limits to acceleration coefficient settings. See P.539. Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.	
YK500XGS	
71 300 200 89.5 D-sub connector for user wiring (No.1 to 20 usable) User tubing 1 (\$\darkappa B Black) D-sub connector for user wiring (No.1 to 20 usable)	\$3 \\ \frac{1}{160} \\
User tubing 2 (\$\phi\$ Red) User tubing 3 (\$\phi\$ Blue) User tubing 1 (\$\phi\$ Black) User tubing 2 (\$\phi\$ Red) User tubing 1 (\$\phi\$ Black) User tubing 2 (\$\phi\$ Red) User tubi	ork on the top
2200mm 374 Stroke 374 Stroke 4-69 4-69 4-69 4-69 4-69 4-69 4-72 4-72 4-72 4-72 4-72 4-72 4-72 4-72	Working envelope of left-handed system 6-ф11 M10 bolt for installation, 6bolts used 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
163.5 ±2	Working envelope of right-handed system X-axis mechanical stopper position: 107° Y-axis mechanical stopper position: 127°
mechanical stopper position 8mm rise during Z-axis lower end mechanical stopper position 7-axis lower end mechanical stopper end mechanical stopper end mech	TK500XGS Z200mm Stroke specification Note. Inverse type is installed upside down.

YK600XGS

Wall-mount / inverse type

Arm length 600mm
Maximum payload 10kg

YK600XGS-W (Wall-mount) YK600XGS-U (Inverse wall-mount) ■ Ordering method YK600XGS RCX340-4 W: Wall-mount (same as per external view) U: Inverse wall-mount 200: 200mm No entry: None F: With tool flange Specify various controller setting items. RCX340 ▶ P.508 U: Inverse wall (upside down) BB R3

Specify various controller setting items. RCX240/RCX240S▶ P.495

■ Controller

Note 1. When installing the robot, always follow the specifications When installing the robot, aways rollow the specimedors.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

■ Specifications								
			X-axis	Y-axis	Z-axis	R-axis		
Axis	is Arm length		300 mm	300 mm	200 mm 300 mm	-		
specifications	Rotation angl	е	+/-130 °	+/-145 °	-	+/-360 °		
AC servo motor output			400 W	200 W	200 W	200 W		
Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive			
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-coupled				
	method	Speed reducer to output		Dir	ect-coupled			
Repeatability	Note 1		+/-0.01 mm +/-0.01 mm			+/-0.004 °		
Maximum spe	ed		8.4 m/sec 2.3 1.7 1700 °/sec (wall-moments) 8.4 m/sec 2.3 m/sec m/sec 800 °/sec (inverse wall-round)					
Maximum pay	load		10 kg (Standard specification), 9 kg (Option specifications)					
Standard cycle	e time: with 2k	g payload ^{Note 2}	0.46 sec					
R-axis tolerab	le moment of	inertia ^{Note 3}	0.30 kgm ²					
User wiring			0.2 sq × 20 wires					
User tubing (C	User tubing (Outer diameter)			ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)					
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m					
Weight			31 kg					

Controller Power capacity (VA) Operation method Programming / I/O point trace RCX340 Remote command / 1700 RCX240-R3 Operation using RS-232C communication

ratizve unit - Expansion I/O - Network option - IVY System - Gripper - Battery

"Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

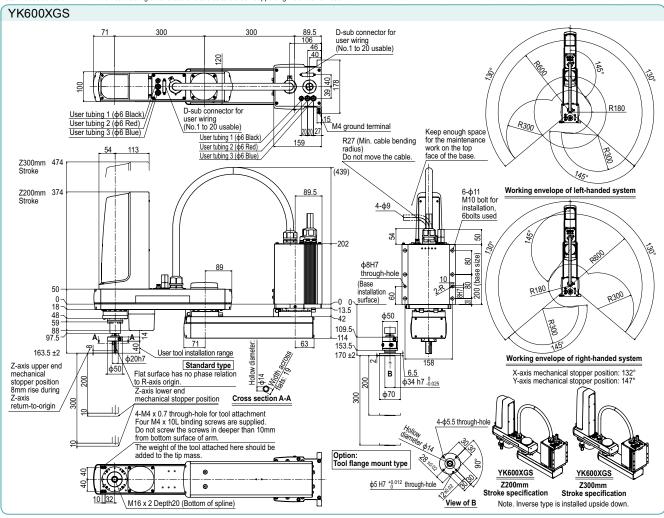
The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed

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

specifications Rotation angle			+/-130 °	+/-145°	_	+/-360 °	
AC servo mot	AC servo motor output			200 W	200 W	200 W	
Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive		
Deceleration mechanism	Transmission Motor to speed reducer			Dire	ect-coupled		
Illechamsin	method	Speed reducer to output		Dire	ect-coupled		
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		8.4 m/sec 2.3 1.7 1700 °/sec (wall m/sec m/sec 800 °/sec (inverse w			1700 °/sec (wall-mount) 800 °/sec (inverse wall-mount)	
Maximum pay	load		10 kg (Standard specification), 9 kg (Option specifications)				
Standard cycl	e time: with 2k	g payload Note 2	0.46 sec				
R-axis tolerab	le moment of	inertia Note 3	0.30 kgm ²				
User wiring				0.2 s	q × 20 wires		
User tubing (C	Outer diameter	r)	ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			31 kg				

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.



Specify various controller setting items. RCX240/RCX240S▶ P.495

■ Controller

Note 1. When installing the robot, always follow the specifications.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	xis Arm length		300 mm	400 mm	200 mm 400 mm	-	
specifications	Rotation angle		+/-130 °	+/-130 °	_	+/-360 °	
AC servo mot	or output		750 W	400 W	400 W	200 W	
Deceleration	Speed reduce	r	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
mechanism	Transmission	Motor to speed reducer		Dir	ect-coupled		
	method	Speed reducer to output		Dir	ect-coupled		
Repeatability	Note 1		+/-0.02 mm		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		8.4 m/sec 2.3 1.7 920 °/sec (wal m/sec m/sec 480 °/sec (inverse			920 °/sec (wall-mount) 480 °/sec (inverse wall-mount	
Maximum pay	load		20 kg (Standard specification), 19 kg (Option specifications)				
Standard cycl	e time: with 2k	g payload ^{Note 2}	0.42 sec				
R-axis tolerab	le moment of	inertia ^{Note 3}	1.0 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (C	Outer diameter	·)	ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m				
Weight			Z axis 200 mm: 50 kg Z axis 400 mm: 52 kg				

Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

Controller | Power capacity (VA) | Operation method

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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: http://global.yamaha-motor.com/business/robot/

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

te 1. This is the value at a constant ambient te te 2. When reciprocating 300mm in horizontal te 3. There are limits to acceleration coefficien te. Please consult YAMAHA when connecting	and 25mm in vertical directions. t settings. See P.539. other tubes and cables to the self-supporting made	chine harness.	
YK700XGS			
User tubing 1 (\$\phi 6 Black)\) User tubing 2 (\$\phi 6 Red)\) User tubing 3 (\$\phi 6 Blue)\) Z400mm 585 Stroke	User (ubility 3 (Wo Blue)	O-sub connector for ser wiring No.1 to 20 usable) M4 ground terminal R27 (Min. cable bending radius) Do not move the cable. (500)	work on
Z200mm 385 Stroke 355 771.5 85.5 132 196.3±2 196.3±2 196.3±2	98 98 98 17 User tool installation range Standard type	247 4-69	6-0-14 M12 bolt for installation, febolts used 150 992 993 993 993 993 993 993 993 993 993
osition 6mm rise during 2-axis return-to-origin 2 Z-exis return-to-origin 4-	lat surface has no phase elation to R-axis origin. xis lower end chanical stopper position M4 x 0.7 through-hole for tool attachment for the chanical stopper some form of the chanical stopper with the chanical stopper position. Cross M4 x 0.7 through-hole for tool attachment for the chanical stopper stopped to the chanical stopper stopped to the chanical stopper stopped to the chanical stopped to the chanic	Section A-A Option: Tool flange mount type	Working envelope of right-handed system X-axis mechanical stopper position: 132° Y-axis mechanical stopper position: 132°
15 [38]	ded to the tip mass. 0 x 2.5 Depth20 (Bottom of spline)	4-6.6 through-hole 4-6.6 through-hole 4-6.6 through-hole Wiew of B	YK700XGS Z200mm Stroke specification Note. Inverse type is installed upside down.

YK800XGS

Wall-mount / inverse type

Arm length 800mm
Maximum payload 20kg

■ Ordering method

YK800XGS W: Wall-mount (same as per external view) U: Inverse wall-mount U: Inverse wall (upside down)

200: 200mm No entry: None 400: 400mm F: With tool flange

RCX340-4

R3

- CE Marking - Rege

Specify various controller setting items. RCX340 ▶ P.508

BB eratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S▶ P.495

■ Controller

Note 1. When installing the robot, always follow the specifications When installing the robot, aways rollow the specimedors.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

Specifi	cations						
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		400 mm	400 mm	200 mm 400 mm	-	
specifications	Rotation angl	е	+/-130 °	+/-145 °	_	+/-360 °	
AC servo motor output			750 W	400 W	400 W	200 W	
Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive		
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-coupled			
method		Speed reducer to output	Direct-coupled				
Repeatability	Note 1		+/-0.02 mm +/-0.01		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		9.2 m/sec 2.3 1.7 920 °/sec (wal m/sec m/sec 480 °/sec (inverse			920 °/sec (wall-mount) 480 °/sec (inverse wall-mount)	
Maximum pay	load		20 kg (Standard specification), 19 kg (Option specifications)				
Standard cycle	e time: with 2k	g payload Note 2	0.48 sec				
R-axis tolerab	le moment of	inertia ^{Note 3}	1.0 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (Outer diameter)			φ6×3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m				
Weight			Z axis 200 mm: 52 kg Z axis 400 mm: 54 kg				

Controller Power capacity (VA) Operation method Programming / I/O point trace RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

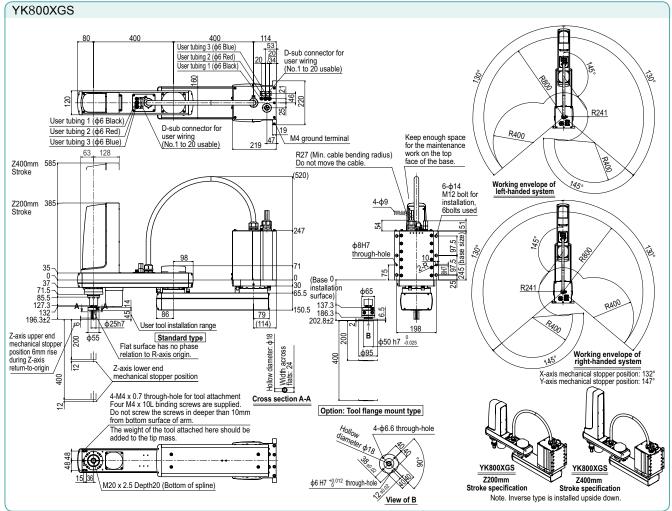
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The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

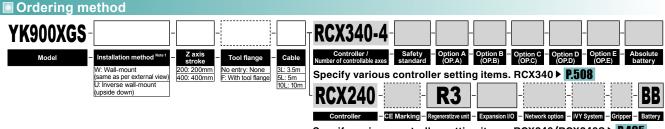
See our robot manuals (installation manuals) for detailed

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

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.



Arm length 900mm
Maximum payload 20kg



Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Controller

Note 1. When installing the robot, always follow the specifications.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		500 mm	400 mm	200 mm 400 mm	-	
specifications	Rotation angl	е	+/-130 °	+/-150 °	-	+/-360 °	
AC servo mot	or output		750 W	400 W	400 W	200 W	
D I 4!	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer		Dir	ect-coupled		
moonamam	method	Speed reducer to output	Direct-coupled				
Repeatability	Note 1		+/-0.02 mm +/-0.01 mm		+/-0.01 mm	+/-0.004 °	
Maximum spe	ed		9.9 m/sec 2.3 1.7 920 °/sec (wall-mo m/sec m/sec (inverse wall-m				
Maximum pay	load		20 kg (Standard specification), 19 kg (Option specifications)				
Standard cycl	e time: with 2k	g payload ^{Note 2}	0.49 sec				
R-axis tolerab	le moment of	inertia Note 3	1.0 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (C	Outer diameter	')	ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			Z axis 200 mm: 54 kg Z axis 400 mm: 56 kg				

Controller | Power capacity (VA) | Operation method Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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: http://global.yamaha-motor.com/business/robot/

YK1000XGS

Wall-mount / inverse type

Arm length 1000mm
Maximum payload 20kg

Ordering method

YK1000XGS-	- RCX340-4
Model - Installation method Notes - Z axis stroke W: Wall-mount (same as per external view) - X00: 200mm F: With toof flar	and the state of t
U: Inverse wall-mount (upside down)	RCX240 - R3 BB
	Controller — CE Marking — Regeneratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Note 1. When installing the robot, always follow the specifications When installing the robot, aways rollow the specimedors.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Axis Arm length Rotation angle		600 mm	400 mm	200 mm 400 mm	-	
specifications			+/-130 °	+/-150 °	_	+/-360 °	
AC servo motor output			750 W	400 W	400 W	200 W	
-	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer		Dir			
	method	Speed reducer to output	Direct-coupled				
Repeatability	Note 1		+/-0.02 mm +/-0.01 r			+/-0.004 °	
Maximum spe	ed		10.6 m/sec 2.3 1.7 920 °/sec (wall-m m/sec 480 °/sec (inverse wall				
Maximum pay	load		20 kg (Standard specification), 19 kg (Option specifications)				
Standard cycl	e time: with 2k	g payload Note 2	0.49 sec				
R-axis tolerab	ole moment of	inertia Note 3	1.0 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (0	Outer diameter	r)	ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m				
Weight			Z axis 200 mm: 56 kg Z axis 400 mm: 58 kg				
Note 1. This is the	value at a constar	at ambient temperature (X)	V 0×00)				

■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

"Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.
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

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

> > Working envelope of right-handed system

X-axis mechanical stopper position: 132° Y-axis mechanical stopper position: 152°

YK1000XGS

Z400mm Stroke specification

Note. Inverse type is installed upside down.

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.

YK1000XGS D-sub connector for User tubing 3 (\$\phi 6 Blue) user wiring (No.1 to 20 usable) User tubing 2 (\$\phi6 \text{ Red}) User tubing 1 (φ6 Black **(** User tubing 1 (\$\dagger\$6 Black), 160 R324 User tubing 2 (φ6 Red) D-sub connector for user wiring (No.1 to 20 usable) M4 ground terminal User tubing 3 (φ6 Blue) R400 Keep enough space for the maintenance work on the top face of the base. RADO R27 (Min. cable bending 128 radius)

Do not move the cable Z400mm Stroke (520) 6-φ14 M12 bolt for installation, 6bolts used Z200mm Stroke ф8Н7 97.5 97.5 245 (base size) through-hole (Base installation surface) R324 71.5 85.5 127.3 132 196.3±2 137.3 150.5 R400

186.3

198

4-φ6.6 through-hole

View of B

YK1000XGS

7200mn

Stroke specification

ф50 h7-0.025

Option: Tool flange mount type

B

ф95

φ6 H7 +0.012 through-hole

202 8+2

(114)

Hollow diameter: ϕ 18

across

Width

0 Cross section A-A

A

ф55

15 36

200

400

Z-axis upper end mechanical stopper position 6mm rise during Z-axis

return-to-origin

ф25h7

User tool installation range

Standard type

4-M4 x 0.7 through-hole for tool attachment Four M4 x 10L binding screws are supplied. Do not screw the screws in deeper than 10mm from bottom surface of arm. The weight of the tool attached here should be added to the tip mass.

Flat surface has no phase relation to R-axis origin.

mechanical stopper position

M20 x 2.5 Depth20 (Bottom of spline)

Specifications

YK250XGF

Ordering method

RCX340-4 YK250XGP-150 No entry: None F: With tool flange Specify various controller setting items. RCX340 ▶ P.508 RCX240S BB

Specify various controller setting items. RCX240/RCX240S ▶ P.495

CE Marking Expansion I/O Network option iVY System Gripper Battery

Controller

Specific	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis			100 mm	150 mm	150 mm	-
specifications Rotation angl		le	+/-129 °	+/-134 °	-	+/-360 °
AC servo motor output (W)			200	150	50	100
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled			
meenamen	method	Speed reducer to output				
Repeatability	Repeatability Note 1)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		4.5 n	n/sec	1.1 m/sec	1020 °/sec
Maximum pay	load		4 kg			
Standard cycl	e time: with 2k	g payload Note 2	0.57 sec			
R-axis tolerab	le moment of	inertia Note 3	0.05 kgm ²			
Protection cla	ISS Note 4		Equivalent to IP65 (IEC 60529)			
User wiring			0.2 sq × 10 wires			
User tubing (C	Outer diameter	r)	ф 4 × 4			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m			
Weight			21.5 kg			

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 1000 RCX240S Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

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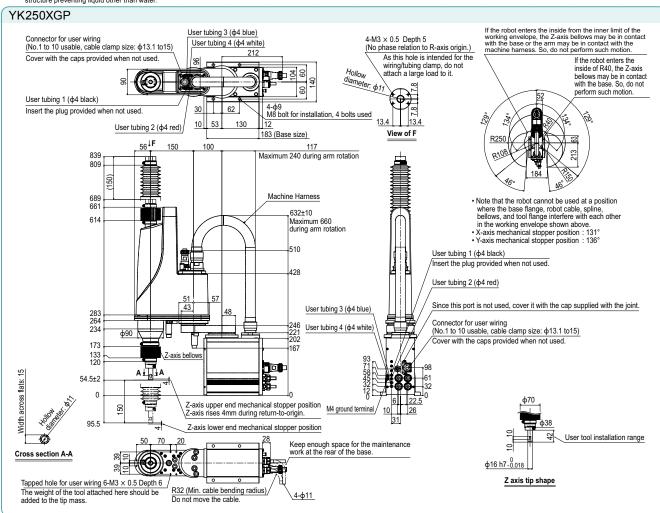
The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

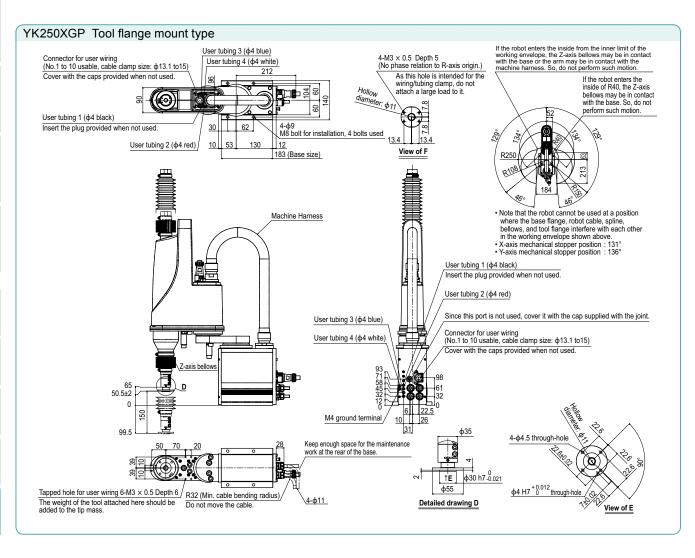
See our robot manuals (installation manuals) for detailed integration. information.

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://global.vamaha-motor.com/business/robot/

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

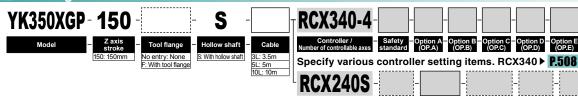




YK350XGP

Arm length 350mm Maximum payload 4kg

■ Ordering method



CE Marking — Expansion I/O — Network option — iVY System — Gripper — Battery Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Controller

Dust-proof & drip-proof type

Specifi	Cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		200 mm	150 mm	150 mm	-
specifications	Rotation ang	е	+/-129 °	+/-134 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
conumon	method	Speed reducer to output		Direct-o	coupled	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		5.6 n	n/sec	1.1 m/sec	1020 °/sec
Maximum pay	load			4	kg	
Standard cycl	e time: with 2k	g payload Note 2		0.57	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}		0.05	kgm²	
Protection cla	ISS Note 4			Equivalent to IP	65 (IEC 60529)	
User wiring				0.2 sq ×	10 wires	
User tubing (C	Outer diameter	•)		ф 4	× 4	
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			,Z axis)
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m			m
Weight				22	ka	

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 1000 RCX240S Operation using RS-232C communication

BB

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

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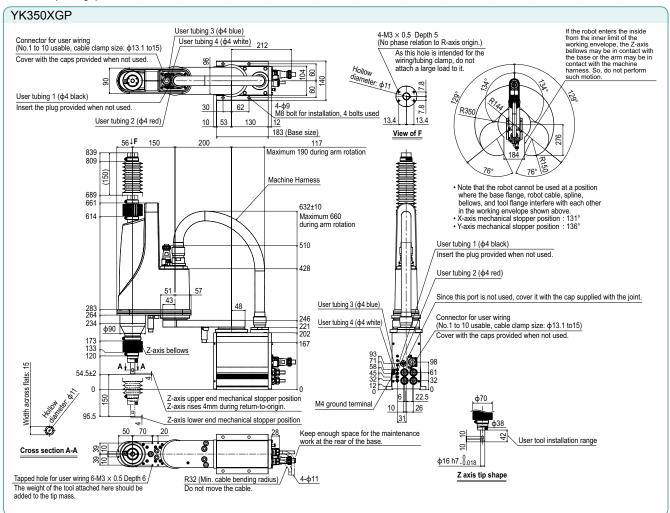
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

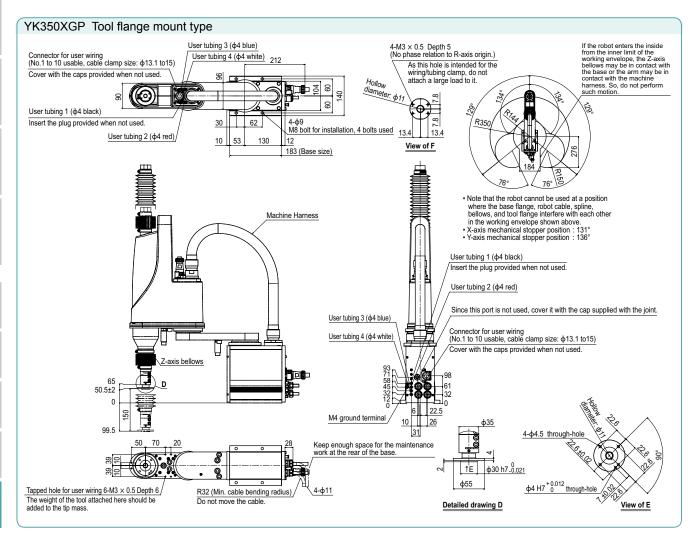
See our robot manuals (installation manuals) for detailed information.

Note. To set the standard coordinates with high accuracy, use a standard coordinate solding in the upon a standard coordinate of the property of the purpose.

standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

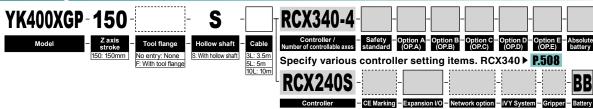
Our robot manuals (installation manuals) can be downloaded from our website at the address below: http://global.yamaha-motor.com/business/robot/





YK400XGP Arm length 400mm Maximum payload 4kg

■ Ordering method



Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Controller

Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		250 mm	150 mm	150 mm	-
specifications	Rotation ang	le	+/-129 °	+/-144 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
conumom	method	Speed reducer to output		Direct-o	coupled	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		6.1 n	n/sec	1.1 m/sec	1020 °/sec
Maximum pay	load			4 1	kg	
Standard cycle	e time: with 2k	g payload Note 2		0.57	sec	
R-axis tolerab	le moment of	inertia Note 3		0.05	kgm²	
Protection cla	SS Note 4			Equivalent to IP	65 (IEC 60529)	
User wiring				0.2 sq ×	10 wires	
User tubing (C	Outer diameter	r)		ф 4	× 4	
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			,Z axis)
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m			m
Weight				22.5	5 kg	

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 1000 RCX240S Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

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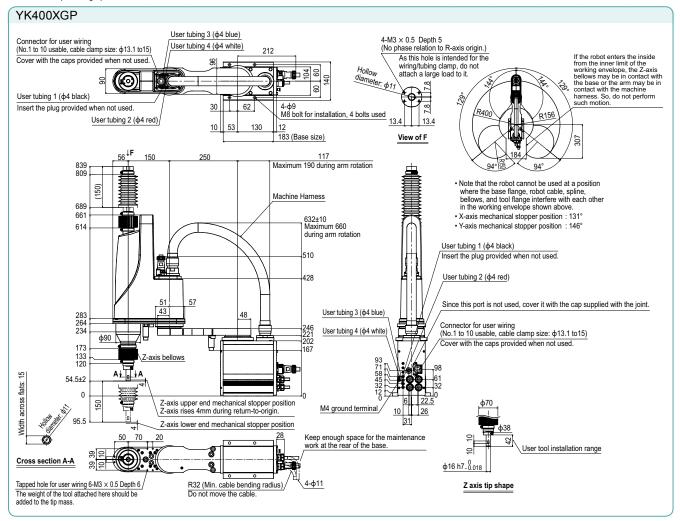
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

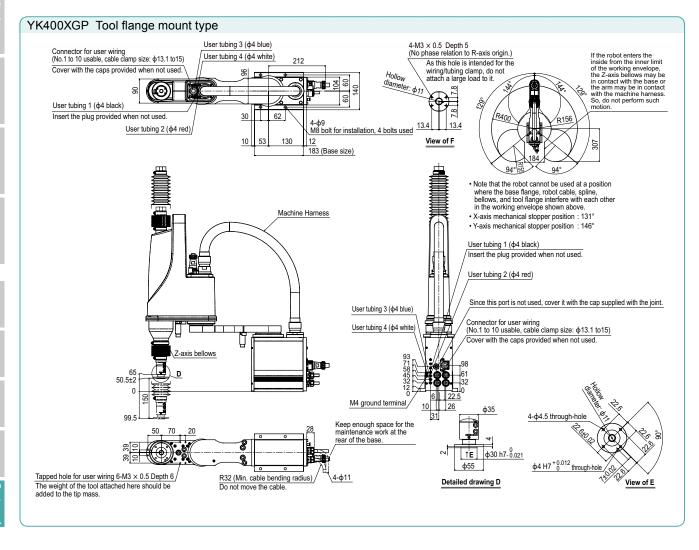
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standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

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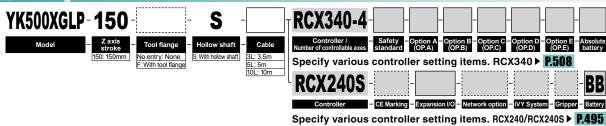




YK500XGLP

Arm length 500mm Maximum payload 4kg

Ordering method



25 kg

Specific	ications					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		250 mm	250 mm	150 mm	-
specifications	Rotation angl	е	+/-129 °	+/-144 °	_	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	coupled	
conumon	method	Speed reducer to output		Direct-o	coupled	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		5.1 n	n/sec	1.1 m/sec	1020 °/sec
Maximum pay	load			4	kg	
Standard cycl	e time: with 2k	g payload Note 2		0.74	sec	
R-axis tolerab	le moment of	inertia Note 3		0.05	kgm²	
Protection cla	ISS Note 4			Equivalent to IP	65 (IEC 60529)	
User wiring				0.2 sq ×	10 wires	
User tubing (0	Duter diameter	•)	φ 4 × 4			
Travel limit			1.Soft	limit 2.Mechani	cal stopper (X,Y	,Z axis)
Robot cable le	enath		S	Standard: 3.5 m	Ontion: 5 m 10	m

Controller Power capacity (VA) Operation method Programming /

■ Controller

Dust-proof & drip-proof type

I/O point trace / RCX340 Remote command / 1000 RCX240S Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

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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 integration. information.

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.

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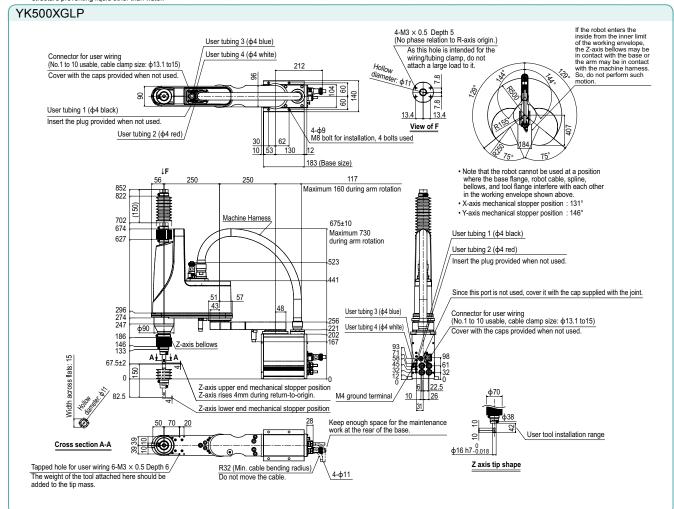
Weight

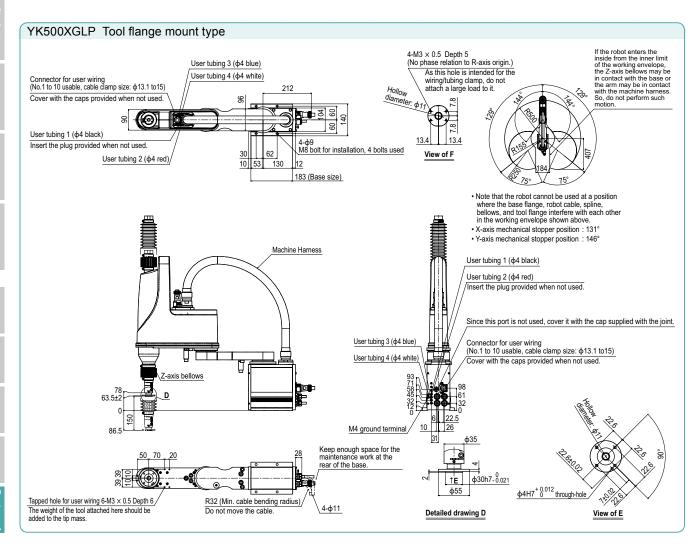
- Note 1. This is the value at a constant ambient temperature. (X,Y axes)

 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.538.

 Note 4. Do not use robots where the bellows section is directly exposed to water jet. Contact our distributor for information on drip-proof structure preventing liquid other than water.







Arm length 500mm
Maximum payload 8kg

Ordering method

YK500XGP-	- F -	RCX340-4-
Model – Z axis stroke 200: 200mm 300: 300mm		Number of Controllable axes Standard (OF.A) (OF.B) (OF.B)
	10L: 10m	RCX240 - R3 - BB

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Dust-proof & drip-proof type

Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
	Arm length		200 mm	300 mm	200 mm 300 mm	-
specifications	Rotation angl	le	+/-130 °	+/-145 °	-	+/-360 °
AC servo moto	or output		400 W	200 W	200 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled	
conumom	method	Speed reducer to output		Direct-	coupled	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		7.6 n	n/sec	2.3 m/sec 1.7 m/sec	1700 °/sec
Maximum pay	load			8	kg	
Standard cycle	time: with 2k	g payload Note 2		0.55	sec	
R-axis tolerab	le moment of	inertia Note 3		0.3	kgm²	
Protection cla	SS Note 4			Equivalent to IF	65 (IEC 60529)	
User wiring				0.2 sq ×	20 wires	
User tubing (C	uter diameter	r)		ф 6	× 3	
Travel limit	t 1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			Z axis)		
Robot cable le	ngth		Standard: 3.5 m Option: 5 m, 10 m			n
Weight			Z axis	200 mm: 32 kg	Z axis 300 mm:	33 kg

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 1700 RCX240-R3 Operation using RS-232C communication

Controller

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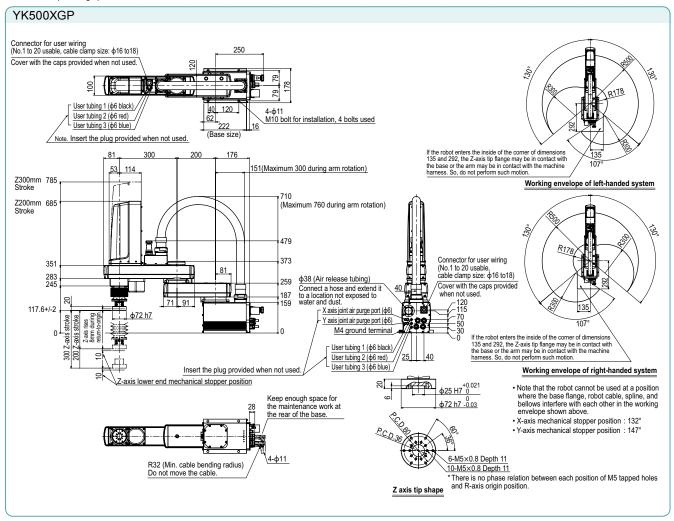
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.

Note. To set the standard coordinates with high accuracy, use a standard coordinate solding in the upon a standard coordinate of the property of the purpose.

standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

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YK600XGLP

Dust-proof & drip-proof type

Arm length 600mm
Maximum payload 4kg

■ Ordering method

YK600XGLP-150

No entry: None F: With tool flange

RCX340-4

Specify various controller setting items. RCX340 ▶ P.508 RCX240S

CE Marking — Expansion I/O — Network option — iVY System — Gripper — Battery Controller Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis Arm length		350 mm	250 mm	150 mm	-	
specifications	Rotation angl	Rotation angle		+/-144 °	-	+/-360 °
AC servo mot	or output		200 W	150 W	50 W	100 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-o	oupled	
	method	Speed reducer to output	Direct-coup		oupled	
Repeatability	Note 1		+/-0.0	11 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		4.9 m/sec 1.1 m/sec 1020 °/se			1020 °/sec
Maximum pay	load			4 1	kg	
Standard cycle	e time: with 2k	g payload ^{Note 2}		0.74	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}		0.05	kgm²	
Protection cla	SS Note 4			Equivalent to IP	65 (IEC 60529)	
User wiring (s	q × wires)			0.2	× 10	
User tubing (C	Outer diameter	•)	ф 4 × 4			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m			
Weight				26	kg	

■ Controller								
Controller	Power capacity (VA)	Operation method						
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command Operation using RS-232C communication						

BB

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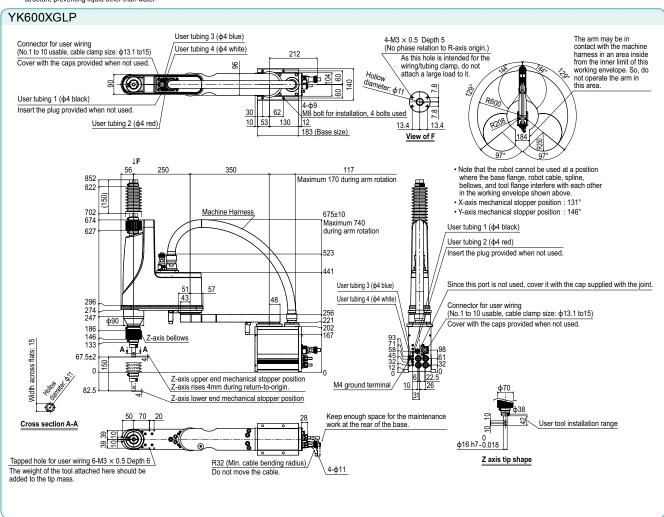
or Harmonic Drive Systems Inc.

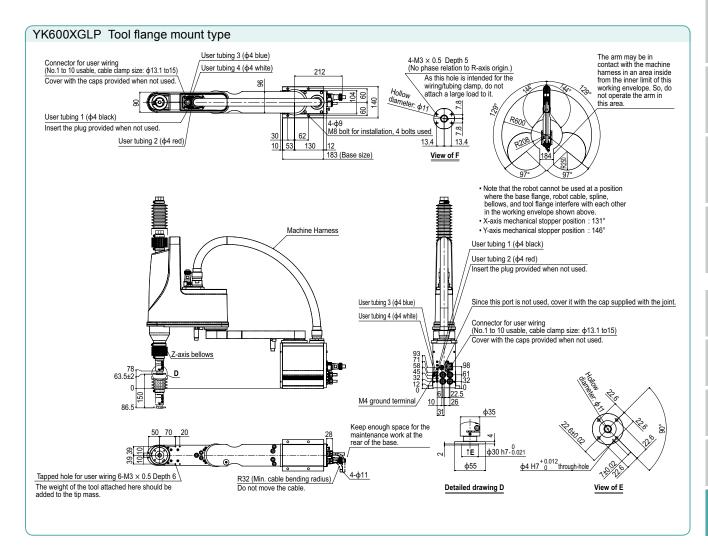
The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.

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.

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Dust-proof & drip-proof type

Arm length 600mm
Maximum payload 8kg

■ Ordering method



Specify various controller setting items. RCX240/RCX240S ▶ P.495

CE Marking - Regeneratizve unit - Expansion I/O - Network option - iVY System - Gripper - Battery

■ Specifi	ications					
			X-axis	Y-axis	Z-axis	R-axis
Axis Arm length		300 mm	300 mm	200 mm 300 mm	_	
specifications	Rotation angl	е	+/-130 °	+/-145 °	_	+/-360 °
AC servo mot	or output		400 W	200 W	200 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled	
mechanism	method	Speed reducer to output		Direct-	coupled	
Repeatability	Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		8.4 m/sec 2.3 m/sec 1.7 m/sec 1700 °/sec			1700 °/sec
Maximum pay	load			8	kg	
Standard cycl	e time: with 2k	g payload ^{Note 2}		0.56	sec	
R-axis tolerab	le moment of	inertia ^{Note 3}		0.31	kgm²	
Protection cla	ISS Note 4			Equivalent to IF	P65 (IEC 60529)	
User wiring (s	q × wires)			0.2	× 20	
User tubing (0	Outer diameter	•)		ф 6	× 3	
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis	200 mm: 33 kg	Z axis 300 mm:	34 kg
Note 1. This is the	value at a constar	at ambient temperature (Y.)	(avaa)			

Contr	oller	
Controller	Power capacity (VA)	Operation method
RCX340 RCX240-R3	1700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

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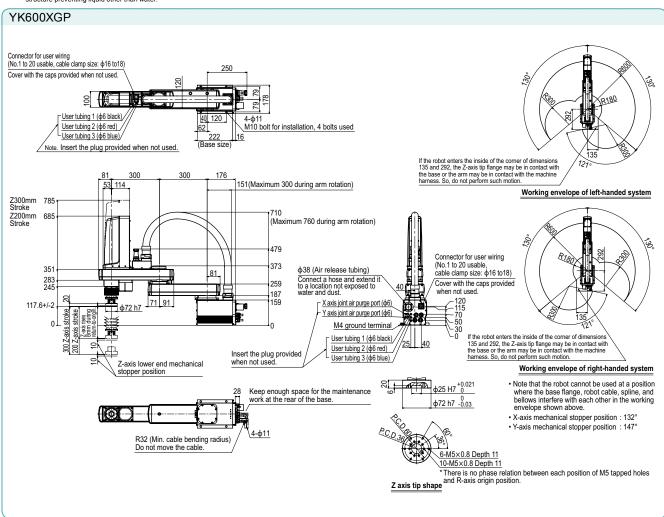
The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.

To set the standard coordinates with high accuracy, use a standard expedience setting line (exiting). Pefor to the pupping

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://global.yamaha-motor.com/business/robot/



YK600XGHI Dust-proof & drip-proof type

Ordering method

Arm length 600mm Maximum payload 18kg



Specify various controller setting items. RCX240/RCX240S ▶ P.495

			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		200 mm	400 mm	200 mm 400 mm	-
specifications	Rotation ang	le	+/-130 °	+/-150 °	_	+/-360 °
AC servo mot	or output		750 W	400 W	400 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled	
mechanism	method	Speed reducer to output		Direct-	coupled	
Repeatability	Note 1		+/-0.0)2 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		7.7 n	n/sec	2.3 m/sec 1.7 m/sec	920 °/sec
Maximum pay	load			18	kg	
Standard cycl	e time: with 2k	g payload Note 2		0.57	' sec	
R-axis tolerab	le moment of	inertia Note 3		1.0	kgm²	
Protection cla	ISS Note 4			Equivalent to IF	P65 (IEC 60529)	
User wiring (s	q × wires)			0.2	× 20	
User tubing (C	Outer diameter	r)		ф 6	× 3	
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			Z axis)
Robot cable le	ength		S	Standard: 3.5 m	Option: 5 m, 10 r	n
Weight			Z axis	s 200 mm: 52 kg	Z axis 400 mm:	54 ka

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

Controller

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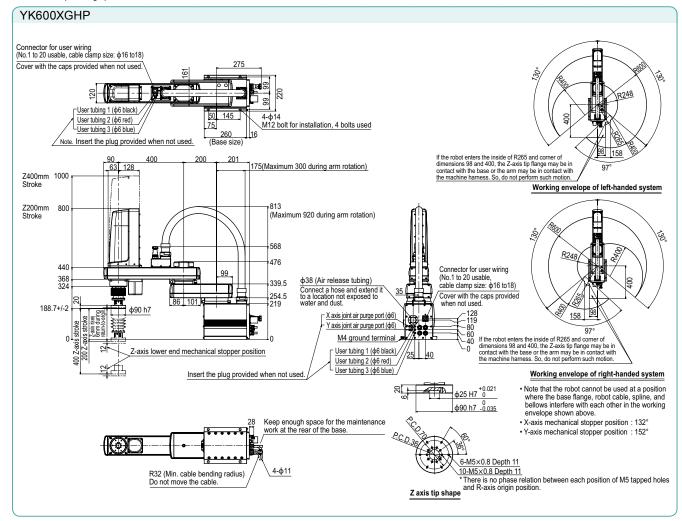
. Harmonic and Harmonic arrive are the registered trademarks of Harmonic Drive Systems Inc.

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 integrating.

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://global.vamaha-motor.com/business/robot



Dust-proof & drip-proof type

Arm length 700mm
Maximum payload 18kg

Ordering method YK700XGP RCX340-4 F: With tool flange

Specify various controller setting items. RCX340 ▶ P.508

BB eratizve unit - Expansion I/O - Network option - iVY System - Gripper - Battery - CE Marking - Rege

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		300 mm	400 mm	200 mm 400 mm	-
specifications	Rotation ang	le	+/-130 °	+/-150 °	_	+/-360 °
AC servo mot	or output		750 W	400 W	400 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled	
	method	Speed reducer to output	Direct-coupled			
Repeatability	Note 1		+/-0.02 mm +/-0.01 mm		+/-0.004 °	
Maximum spe	ed		8.4 m/sec 2.3 m/sec 1.7 m/sec 920 °/sec			920 °/sec
Maximum pay	load		18 kg			
Standard cycl	e time: with 2k	g payload Note 2		0.52	2 sec	
R-axis tolerab	le moment of	inertia ^{Note 3}		1.0	kgm²	
Protection cla	SS Note 4			Equivalent to IF	P65 (IEC 60529)	
User wiring				0.2 sq ×	20 wires	
User tubing (Outer diameter)		ф 6 × 3				
Travel limit		1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis	200 mm: 54 kg	Z axis 400 mm:	56 kg

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2500

Controller Power capacity (VA) Operation method

Programming / I/O point trace

Remote command /

Operation using RS-232C communication

Controller

RCX340

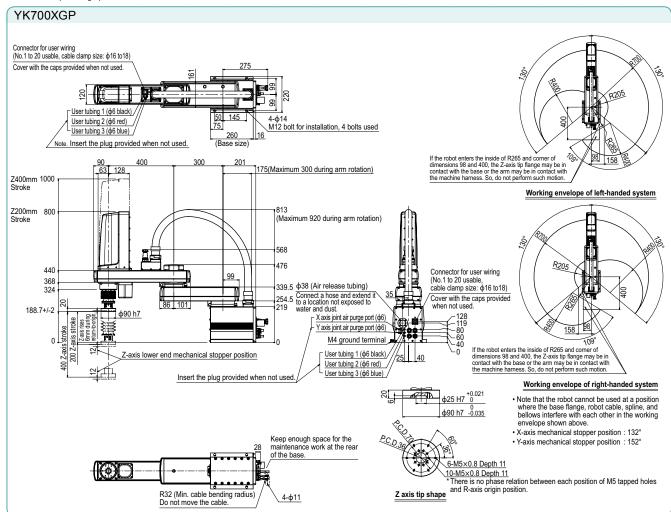
RCX240-R3

of Harmonic Drive Systems Inc.

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

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://global.vamaha-motor.com/business/robot/



YK800XGF

Arm length 800mm Maximum payload 18kg

Specifications

Ordering method RCX340-4 YK800XGP F: With tool flange 200: 200mm 400: 400mm Specify various controller setting items. RCX340 ▶ P.508 BB R3

- CE Marking - Rege

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Dust-proof & drip-proof type

Specific	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		400 mm	400 mm	200 mm 400 mm	-
specifications	Rotation angl	le	+/-130 °	+/-150 °	-	+/-360 °
AC servo mot	or output		750 W	400 W	400 W	200 W
	Speed reduce	er	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission	Motor to speed reducer		Direct-	coupled	
moonamom	method	Speed reducer to output		Direct-	coupled	
Repeatability	Note 1		+/-0.0)2 mm	+/-0.01 mm	+/-0.004 °
Maximum spe	ed		9.2 r	n/sec	2.3 m/sec 1.7 m/sec	920 °/sec
Maximum pay	load			18	kg	
Standard cycl	e time: with 2k	g payload Note 2		0.58	3 sec	
R-axis tolerab	le moment of	inertia Note 3		1.0	kgm²	
Protection cla	ISS Note 4			Equivalent to IF	65 (IEC 60529)	
User wiring				0.2 sq ×	20 wires	
User tubing (C	Outer diameter	r)		ф 6	× 3	
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable le	ength		Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis	200 mm: 56 kg	Z axis 400 mm:	58 kg

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

ratizve unit - Expansion I/O - Network option - iVY System - Gripper - Battery

Controller

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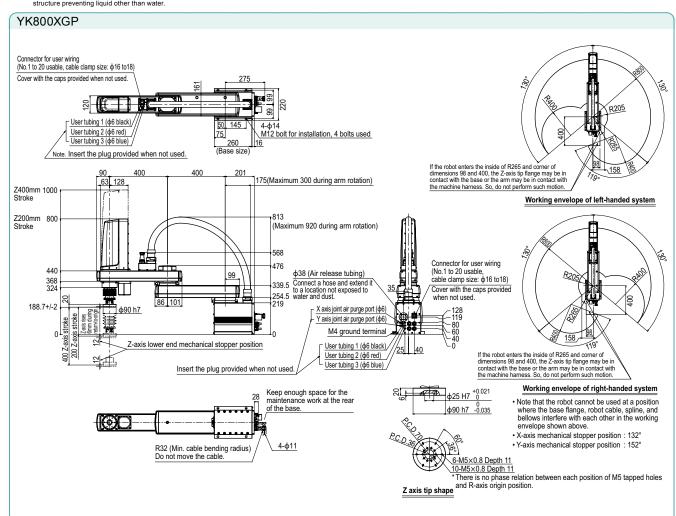
Trialmonic and Taimonic drive are the registered trademark of Harmonic Drive Systems Inc.

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 integration. 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://global.vamaha-motor.com/business/robot/



Dust-proof & drip-proof type

Arm length 900mm
Maximum payload 18kg

■ Ordering method



Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifications									
			X-axis	Y-axis	Z-axis	R-axis			
Axis Arm length specifications Rotation angle		500 mm	400 mm	200 mm 400 mm	_				
		е	+/-130 °	+/-150 °	_	+/-360 °			
AC servo motor output			750 W	400 W	400 W	200 W			
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive			
	Transmission	Motor to speed reducer	Direct-coupled						
	method	Speed reducer to output	Direct-coupled						
Repeatability Note 1			+/-0.02 mm		+/-0.01 mm	+/-0.004 °			
Maximum speed			9.9 n	n/sec	2.3 m/sec 1.7 m/sec	920 °/sec			
Maximum payload			18 kg						
Standard cycle time: with 2kg payload Note 2			0.59 sec						
R-axis tolerable moment of inertia Note 3			1.0 kgm ²						
Protection class Note 4			Equivalent to IP65 (IEC 60529)						
User wiring (sq × wires)			0.2 × 20						
User tubing (Outer diameter)			ф 6 × 3						
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)						
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m						
Weight			Z axis 200 mm: 58 kg Z axis 400 mm: 60 kg						
Note 1. This is the	value at a constar	at ambient temperature (Y)	(avaa)						

■ Controller								
Controller	Power capacity (VA)	Operation method						
RCX340 RCX240-R3	2500	Programming / I/O point trace / Remote command / Operation using RS-232C communication						

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc

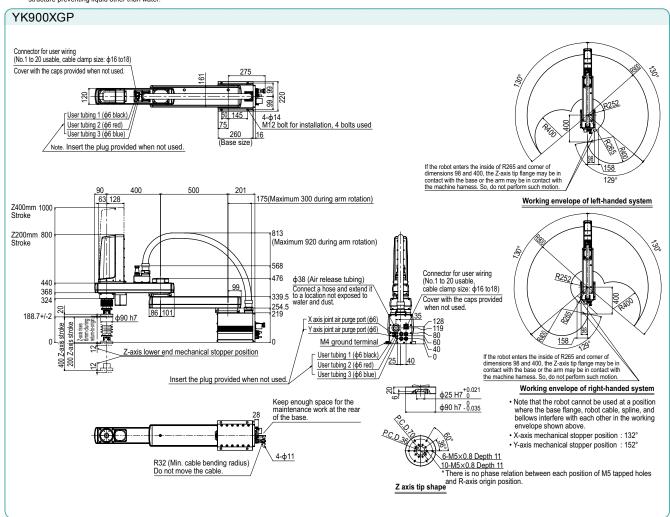
or Harmonic Drive Systems Inc.

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.

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://global.yamaha-motor.com/business/robot/



YK1000XGP

Arm length 1000mm Maximum payload 18kg

Ordering method **YK1000XGP** RCX340-4 Tool flange F: With tool flange Specify various controller setting items. RCX340 ▶ P.508 RCX240 **R**3 - CE Marking - Reg ratizve unit - Expansion I/O - Network option - IVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Dust-proof & drip-proof type

			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		600 mm	400 mm	200 mm 400 mm	-
specifications	Rotation angle		+/-130 °	+/-150 °	_	+/-360 °
AC servo motor output		750 W	400 W	400 W	200 W	
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.0	12 mm	+/-0.01 mm	+/-0.004 °
Maximum speed		10.6 ו	m/sec	2.3 m/sec 1.7 m/sec	920 °/sec	
Maximum payload			18 kg			
Standard cycle time: with 2kg payload Note 2			0.59 sec			
R-axis tolerable moment of inertia Note 3			1.0 kgm ²			
Protection class Note 4			Equivalent to IP65 (IEC 60529)			
User wiring (sq × wires)			0.2 × 20			
User tubing (Outer diameter)			ф 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis 200 mm: 60 kg Z axis 400 mm: 62 kg			

using RS-232C communication

2500

Controller Power capacity (VA) Operation method

Programming / I/O point trace /

Remote command /

Operation

Controller

RCX340

RCX240-R3

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