3A5







Note 1. The robot cable is flexible and resists bending. Note 2. When the motor specification is the standard (S, BK), whether to use the battery needs to be selected.

Specifications								
AC servo motor output		50 W						
Repeatability Note 1		+/-0.01 mm						
Deceleration mechanis	m	Shifting position ball screw φ 10 (C7 class)						
Stroke		50 mm to 800 m	m (50mm pitch)					
Maximum speed Note 2		800 mm/sec	400 mm/sec					
Ball screw lead		12 mm	6 mm					
Maximum navia ad	Horizontal	12 kg	20 kg					
waximum payload	Vertical	2 kg	5 kg					
Rated thrust		71 N	141 N					
Maximum dimensions of o section of main unit	cross	W 44 mm × H 52 mm						
Overall length	Straight	ST + 277.5 mm						
Overall length	Bending	ST + 1	96 mm					
Position detector		Absolute encoder Battery-less absolute encoder						
Resolution		23 bits						
Using ambient temperatu humidity	re and	0 to 40 °C, 35 to 80 %RH (non-condensing)						

lote	1.	Positioning	repeatability	in	one	direction
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Note 2. When a moving distance is short and depending on an operation condition, it may not reach the maximum speed. If the effective stroke exceeds 500 mm, the ball screw may resonate. (Critical

At this time, make the adjustment to decrease the speed while referring to the

maximum speed shown in the table.

Note	500	P106	for	2	CCC C	اماد	ratio	n/de	اماد	rat	ion
NOIC.	occ	1.100	101	a			auo	in/uc		a	ion.

Controller

Operation method
I/O point trace/Remote command

Allowable overhang Note



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Horizon	tal insta	llation	(Unit: mm)	Wall installation (Unit: mm)			Vertical installation (Unit: mm)			
	Α	в	С		Α	в	С		Α	С
2kg	1187	271	325	2kg	325	271	1187	1kg	534	534
8kg	473	62	77	8kg	77	62	473	2kg	265	265
12kg	431	41	53	12kg	53	41	431			

ADAGU	4-0									
Horizontal installation (Unit: mm)			Wall installation (Unit: mm)			Vertical installation (Unit: mm)				
	Α	в	С		Α	в	С		Α	С
4kg	1808	155	217	4kg	217	155	1808	1kg	639	639
12kg	801	47	65	12kg	65	47	801	3kg	208	208
20kg	546	25	35	20kg	35	25	546	5kg	122	122

Note. Distance from center of slider upper surface to carrier center-of-gravity at a guide service life of 10,000 km. Note. Service life is calculated for 500mm stroke models.

Static loading moment



		(Unit: N⋅m)
MY	MP	MR
54	54	75

Basic model ABAS

YAMAH.

The cycle time simulation and service life calculation can be performed easily from our member site. For details, see P.12.

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ABAS04



Controller

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90%

75%

60%

50%

45%

40%

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Controller