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Model																																			
			HA006B	HA006L	HH7	HH010L	YP015-28	HH020	HH020L	HH030L	HH050	YS080	YS080L	HH100SL	HH130L	HP130	YS140	YS140D	HS160L	HP160	HS220	HS220S	HS200L	HS260	HH300	HX300L	HX400	HX400L	HX400S	HX500	HX500S	HX600			
Payload			6 kg	6 kg	7 kg	10 kg	15 kg	20 kg	20 kg	30 kg	50 kg	80 kg	80 kg	100 kg	130 kg	130 kg	140 kg	140 kg	160 kg	160 kg	220 kg	220 kg	200 kg	260 kg	300 kg	300 kg	400 kg	400 kg	400 kg	500 kg	500 kg	600 kg			
Max. Reach			1,425 mm	1,994 mm	932 mm	1,964 mm	2,800 mm	1,742 mm	3,281 mm	2,535 mm	2,239 mm	2,239 mm	2,635 mm	3,507 mm	3,082 mm	3,217 mm	2,339 mm	1,350 mm	3,036 mm	3,128 mm	2,666 mm	3,091 mm	3,070 mm	2,666 mm	2,666 mm	3,056 mm	2,573 mm	3,056 mm	3,106 mm	2,703 mm	3,068 mm	2,704 mm			
Degree of freedom			6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	4 Axes	6 Axes	6 Axes	6 Axes	6 Axes	4 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes	6 Axes			
Installation			Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Floor-Wall-Ceiling	Shelf	Floor	Floor	Floor-Wall-Ceiling	Floor	Floor	Floor	Floor	Shelf	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Shelf	Floor	Shelf	Floor		
Max. Motion Range	S	Swivel	±172°	±185°	±170°	±185°	±160°	±185°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°			
	H	For/Backward	+180° ~ -78°	+195° ~ -70°	+180° ~ -55°	+195° ~ -70°	+230° ~ -50°	+195° ~ -70°	+180° ~ -65°	+170° ~ -65°	+170° ~ -65°	+170° ~ -65°	+180° ~ -60°	+125° ~ -70°	+155° ~ -10°	+140° ~ -5°	+180° ~ -60°	+165° ~ -30°	+155° ~ -10°	+135° ~ -10°	+155° ~ -10°	+125° ~ -70°	+155° ~ -10°	+155° ~ -10°	+155° ~ -10°	+155° ~ -10°	+165° ~ -15°	+165° ~ -15°	+165° ~ -15°	+95° ~ -50°	+165° ~ -15°	+95° ~ -50°	+165° ~ -15°		
	V	Up/Downward	+180° ~ -82°	+180° ~ -80°	+213° ~ -70°	+180° ~ -80°	+260° ~ -70°	+180° ~ -80°	+180° ~ -80°	+180° ~ -80°	+180° ~ -80°	+180° ~ -80°	+180° ~ -80°	+180° ~ -80°	+190° ~ -80°	+190° ~ -80°	+17° ~ -115°	+180° ~ -80°	+205° ~ -55°	+190° ~ -80°	+75° ~ -65°	+190° ~ -80°	+190° ~ -80°	+190° ~ -80°	+190° ~ -80°	+190° ~ -80°	+190° ~ -80°	+60° ~ -70°	+60° ~ -70°	+60° ~ -70°	+60° ~ -60°	+60° ~ -70°	+60° ~ -60°	+60° ~ -70°	
	R2	Rotation 2	±180°	±195°	±190°	±195°	±360°	±195°	±195°	±195°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	
	B	Bending	±135°	±135°	±135°	±135°	±360°	±135°	±135°	±135°	±125°	±125°	±125°	±125°	±125°	±125°	-	±125°	±125°	±128°	-	±128°	±128°	±128°	±128°	±125°	±120°	±120°	±120°	±120°	±120°	±120°	±120°	±120°	±360°
	R1	Rotation 1	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	-	±360°	±360°	±360°	±360°	-	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°
Max. Speed	S	Swivel	230°/s	190°/s	375°/s	190°/s	160°/s	190°/s	175°/s	150°/s	175°/s	170°/s	140°/s	105°/s	105°/s	140°/s	140°/s	120°/s	120°/s	130°/s	120°/s	110°/s	95°/s	110°/s	95°/s	95°/s	95°/s	95°/s	85°/s	85°/s	90°/s	70°/s	70°/s		
	H	For/Backward	230°/s	180°/s	315°/s	180°/s	160°/s	180°/s	175°/s	140°/s	175°/s	140°/s	110°/s	85°/s	85°/s	140°/s	110°/s	120°/s	115°/s	120°/s	105°/s	94°/s	85°/s	106°/s	85°/s	95°/s	95°/s	85°/s	85°/s	80°/s	70°/s	60°/s	60°/s		
	V	Up/Downward	230°/s	190°/s	410°/s	190°/s	160°/s	190°/s	180°/s	150°/s	175°/s	160°/s	120°/s	95°/s	95°/s	140°/s	120°/s	120°/s	115°/s	120°/s	115°/s	110°/s	85°/s	110°/s	85°/s	95°/s	95°/s	85°/s	85°/s	80°/s	70°/s	60°/s	60°/s		
	R2	Rotation 2	430°/s	380°/s	550°/s	380°/s	450°/s	380°/s	360°/s	250°/s	250°/s	230°/s	230°/s	170°/s	170°/s	400°/s	165°/s	165°/s	174°/s	400°/s	145°/s	145°/s	120°/s	140°/s	115°/s	100°/s	100°/s	100°/s	100°/s	100°/s	100°/s	80°/s	80°/s	80°/s	
	B	Bending	430°/s	430°/s	550°/s	380°/s	540°/s	380°/s	380°/s	250°/s	250°/s	230°/s	230°/s	155°/s	155°/s	-	165°/s	165°/s	172°/s	-	145°/s	145°/s	120°/s	140°/s	110°/s	100°/s	100°/s	100°/s	100°/s	100°/s	100°/s	80°/s	80°/s	80°/s	
	R1	Rotation 1	640°/s	640°/s	1000°/s	600°/s	600°/s	600°/s	600°/s	350°/s	350°/s	350°/s	350°/s	270°/s	270°/s	-	250°/s	250°/s	260°/s	-	220°/s	220°/s	190°/s	210°/s	190°/s	160°/s	160°/s	160°/s	160°/s	160°/s	130°/s	125°/s	125°/s	125°/s	
Allowable Moment	R2	Rotation 2	1.2 kgf.m	4.0 kgf.m	1.73 kgf.m	2.5 kgf.m	7 kgf.m	4 kgf.m	4 kgf.m	20.4 kgf.m	22 kgf.m	40.8 kgf.m	40.8 kgf.m	105 kgf.m	105 kgf.m	50 kgf.m	70 kgf.m	70 kgf.m	110 kgf.m	50 kgf.m	145 kgf.m	145 kgf.m	145 kgf.m	165 kgf.m	180 kgf.m	170 kgf.m	200 kgf.m	200 kgf.m	200 kgf.m	304 kgf.m	304 kgf.m	334 kgf.m	334 kgf.m		
	B	Bending	1.0 kgf.m	1.0 kgf.m	1.73 kgf.m	2.5 kgf.m	5.5 kgf.m	4 kgf.m	4 kgf.m	20.4 kgf.m	22 kgf.m	40.8 kgf.m	40.8 kgf.m	105 kgf.m	105 kgf.m	-	70 kgf.m	70 kgf.m	110 kgf.m	-	145 kgf.m	145 kgf.m	145 kgf.m	165 kgf.m	180 kgf.m	170 kgf.m	200 kgf.m	200 kgf.m	200 kgf.m	304 kgf.m	304 kgf.m	334 kgf.m	334 kgf.m		
	R1	Rotation 1	0.6 kgf.m	0.6 kgf.m	1.02 kgf.m	1.1 kgf.m	0.7 kgf.m	2 kgf.m	2 kgf.m	10.2 kgf.m	15 kgf.m	20.4 kgf.m	20.4 kgf.m	50 kgf.m	50 kgf.m	-	35 kgf.m	35 kgf.m	58 kgf.m	-	79 kgf.m	79 kgf.m	78 kgf.m	81 kgf.m	81 kgf.m	70 kgf.m	84 kgf.m	84 kgf.m	84 kgf.m	175 kgf.m	175 kgf.m	192 kgf.m	192 kgf.m		
Repeatability			±0.05 mm	±0.08 mm	±0.03 mm	±0.08 mm	±0.01 mm	±0.08 mm	±0.08 mm	±0.1 mm	±0.1 mm	±0.1 mm	±0.1 mm	±0.15 mm	±0.15 mm	±0.12 mm	±0.15 mm	±0.06 mm	±0.15 mm	±0.09 mm	±0.11 mm	±0.15 mm	±0.06 mm	±0.05 mm	±0.05 mm	±0.08 mm	±0.08 mm	±0.08 mm	±0.08 mm	±0.08 mm	±0.08 mm	±0.08 mm	±0.12 mm	±0.12 mm	
Ambient Temperature			0-45°C (273-318K)	0-45°C (273-318K)	0-40°C (273-313K)	0-45°C (273-318K)	0-40°C (273-313K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-40°C (273-313K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-40°C (273-313K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-45°C (273-318K)	0-40°C (273-313K)		
Approximate Weight			145 kg	224 kg	42 kg	230 kg	600 kg	225 kg	535 kg	650 kg	645 kg	645 kg	684 kg	1,450 kg	1,400 kg	950 kg	670 kg	562 kg	985 kg	1,250 kg	955 kg	1,397 kg	1,223 kg	1,250 kg	1,250 kg	2,685 kg	2,620 kg	2,950 kg	2,910 kg	3,130 kg	3,240 kg	3,200 kg	3,200 kg		
Max. Rated Power			4.4 kVA	4.4 kVA	4.4 kVA	4.4 kVA	8 kVA	4.4 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	8 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	10,5 kVA	
Controller Model			Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	
Option					IP67	Wrist IP67		Wrist IP67	Wrist IP67	Wrist IP67	Wrist IP67	Wrist IP67	Wrist IP67																						
Application	Arc Welding		•	•		•		•																											
	Spot Welding												•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Handling		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Sealing																																		
	Assembly		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Others					Painting	Press Handling				Press Handling	Press Handling			Press Handling	Press Handling	Palletizing																		