














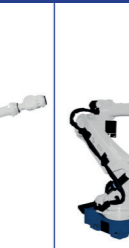



# HYUNDAI ROBOT SERIES

Model		HIGH SPEED							HIGH RELIABILITY					WIDE WORKING ENVELOPE				
																		
		HA006B	HA006L	HH010L	HH020	HH020L	HH030L	HH050	YS080	HH130L	YS140	HS160L	HP160	HS220	HS200L	HH300	HX300L	HX400
Payload		6 kg	6 kg	10 kg	20 kg	20 kg	30 kg	50 kg	80 kg	130 kg	140 kg	160 kg	160 kg	220 kg	200 kg	300 kg	300 kg	400 kg
Max. Reach		1,425 mm	1,994 mm	1,964 mm	1,742 mm	3,281 mm	2,535 mm	2,239 mm	2,239 mm	3,082 mm	2,339 mm	3,036 mm	3,128 mm	2,666 mm	3,070 mm	2,666 mm	3,056 mm	2,573 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	4 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	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
Max. Motion Range	S Swivel	±172°	±185°	±185°	±185°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°
	H For/Backward	+180°~-78°	+195°~-70°	+195°~-70°	+195°~-70°	+180°~-65°	+180°~-65°	+180°~-65°	+180°~-65°	+155°~+10°	+180°~-60°	+180°~65°	+135°~-10°	+155°~+10°	±75°	±75°	+165°~+15°	+165°~+15°
	V Up/Downward	+180°~-82°	+180°~-80°	+180°~-80°	+180°~-80°	+180°~-80°	+180°~-80°	+180°~-80°	+180°~-80°	+190°~-80°	+230°~-150°	+230°~-135°	+75°~-65°	+190°~-80°	+30°~-125°	+30°~-125°	+60°~-70°	+60°~-70°
	R2 Rotation 2	±180°	±195°	±195°	±195°	±195°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	-	±360°	±360°	±360°	±360°
	B Bending	±135°	±135°	±135°	±135°	±135°	±125°	±125°	±125°	±125°	±125°	±125°	±130°	-	±128°	±120°	±120°	±120°
	R1 Rotation 1	±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	190°/s	190°/s	175°/s	150°/s	175°/s	170°/s	105°/s	140°/s	95°/s	130°/s	120°/s	95°/s	95°/s	95°/s	95°/s
	H For/Backward	230°/s	180°/s	180°/s	180°/s	175°/s	140°/s	175°/s	140°/s	85°/s	110°/s	95°/s	120°/s	105°/s	95°/s	95°/s	95°/s	95°/s
	V Up/Downward	230°/s	190°/s	90°/s	190°/s	180°/s	150°/s	175°/s	160°/s	95°/s	120°/s	95°/s	120°/s	115°/s	95°/s	95°/s	95°/s	95°/s
	R2 Rotation 2	430°/s	380°/s	380°/s	380°/s	360°/s	250°/s	250°/s	230°/s	170°/s	165°/s	150°/s	-	145°/s	120°/s	110°/s	100°/s	100°/s
	B Bending	430°/s	430°/s	380°/s	380°/s	380°/s	250°/s	250°/s	230°/s	155°/s	165°/s	145°/s	-	145°/s	120°/s	110°/s	100°/s	100°/s
	R1 Rotation 1	640°/s	640°/s	600°/s	600°/s	600°/s	350°/s	350°/s	350°/s	270°/s	250°/s	220°/s	300°/s	220°/s	180°/s	180°/s	160°/s	160°/s
Allowable Moment	R2 Rotation 2	1.2 kgf.m	4.0 kgf.m	2.5 kgf.m	4 kgf.m	4 kgf.m	20.4 kgf.m	22 kgf.m	40.8 kgf.m	105 kgf.m	70 kgf.m	105 kgf.m	-	145 kgf.m	131.5 kgf.m	170 kgf.m	170 kgf.m	200 kgf.m
	B Bending	1.0 kgf.m	1.0 kgf.m	2.5 kgf.m	4 kgf.m	4 kgf.m	20.4 kgf.m	22 kgf.m	40.8 kgf.m	105 kgf.m	70 kgf.m	105 kgf.m	-	145 kgf.m	131.5 kgf.m	170 kgf.m	170 kgf.m	200 kgf.m
	R1 Rotation 1	0.6 kgf.m	0.6 kgf.m	1.1 kgf.m	2 kgf.m	2 kgf.m	10.2 kgf.m	15 kgf.m	20.4 kgf.m	50 kgf.m	35 kgf.m	50 kgf.m	50 kgf.m	79 kgf.m	61.6 kgf.m	70 kgf.m	70 kgf.m	84 kgf.m
Repeatability		±0.04 mm	±0.06 mm	±0.06 mm	±0.06 mm	±0.08 mm	±0.08 mm	±0.06 mm	±0.06 mm	±0.15 mm	±0.06 mm	±0.15 mm	±0.2 mm	±0.06 mm	±0.2 mm	±0.15 mm	±0.2 mm	±0.15 mm
Ambient Temperature		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)	0~45°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)
Approximate Weight		150 kg	224 kg	230 kg	225 kg	535 kg	650 kg	645 kg	645 kg	1,400 kg	670 kg	985 kg	1,495 kg	955 kg	1,223 kg	1,250 kg	2,685 kg	2,620 kg
Max. Rated Power		4.4 kVA	4.4 kVA	4.4 kVA	4.4 kVA	4.4 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
Controller Model		Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a	Hi5a
Option			Wrist IP54	Wrist IP67	Wrist IP67	Wrist IP67	Wrist IP67	Wrist IP67	Wrist IP67									
Application	Arc Welding	•	•	•	•													
	Spot Welding								•	•	•	•	•	•	•	•	•	•
	Handling	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Sealing	•	•	•	•	•	•	•										
	Others				Press Handling		Press Handling	Press Handling		Press Handling			Palletizing					