

Expanding Possibility



reddot award 2019
best of the best

HYUNDAI ROBOTICS Robot Series

 **HYUNDAI ROBOTICS**

Collaboration Robot



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Model		YL005	YL012	YL015
Payload	kg	5	12	15
Max. Reach	mm	916	1,305	963
Degree of Freedom	Axes	6	6	6
Installation		Anywhere	Anywhere	Anywhere
Max. Motion Range	S	°	±180	±180
	H		+270 ~ -90	+270 ~ -90
	V		±180	±180
	R2		±180	±180
	B		±180	±180
	R1		±180	±180
Max. Speed	S	°/s	180	180
	H		180	125
	V		180	180
	R2		180	180
	B		180	180
	R1		180	180
Allowable Torque	R2	kgf.m	4.9	5.0
	B		2.7	5.6
	R1		2.8	2.8
Repeatability	mm	±0.1	±0.1	±0.1
Ambient Temperature	°C	0 ~ 45	0 ~ 45	0 ~ 45
Approximate Weight	kg	27	43	41
Max. Rated Power ¹⁾	Kw	Max. 3.3	Max. 3.3	Max. 3.3
Controller Model		Hi6-H10	Hi6-H10	Hi6-H10
IP Grade		IP54	IP54	IP54
Application	Arc Welding	●	●	●
	Spot Welding			
	Handling	●	●	●
	Sealing	●	●	●
	Assembly	●	●	●
	Press Handling	●	●	●
	Palletizing	●	●	●
	Painting			

※ 1) It is based on the maximum permissible output of the controller. Power consumption differs depending on the robot's usage and motion pattern.

Electronic Small Robot



Painting Robot



Model		HH4L	HH7	HH8	YP015A-22 ²⁾	YP015A-28 ²⁾
Payload	kg	4	7	8	15	15
Max. Reach	mm	1,131	932	832	2,200	2,800
Degree of Freedom	Axes	6	6	6	6	6
Installation		Floor/Wall/Ceiling	Floor/Wall/Ceiling	Floor/Wall/Ceiling	Floor/Wall	Floor/Wall
Max. Motion Range	S	°	±170	±170	±170	±160
	H		+180 ~ -55	+180 ~ -55	+180 ~ -55	+220 ~ -40
	V		+213 ~ -70	+213 ~ -70	+213 ~ -66	+250 ~ -70
	R2		±190	±190	±190	±360
	B		±135	±135	±135	±360
	R1		±360	±360	±360	±360
Max. Speed	S	°/s	300	375	455	160
	H		230	315	385	160
	V		360	410	520	160
	R2		550	550	550	450
	B		550	550	550	540
	R1		1,000	1,000	1,000	600
Allowable Torque	R2	kgf.m	0.61	1.73	1.73	7
	B		0.61	1.73	1.73	5.5
	R1		0.30	1.02	1.02	0.7
Repeatability	mm	±0.03	±0.03	±0.03	±0.1	±0.1
Ambient Temperature	°C	0 ~ 45	0 ~ 40	0 ~ 45	0 ~ 40	0 ~ 40
Approximate Weight	kg	43	42	41	575	590
Max. Rated Power ¹⁾	KVA/Kw	Max. 1.5 / Max. 1.2	Max. 4.4	Max. 4.4	Max. 8	Max. 8
Controller Model		Hi5a-T10, Hi5a-S20	Hi5a-T10, Hi5a-S20	Hi5a-T10, Hi5a-S20	Hi5a-P10	Hi5a-P10
IP Grade		IP20	IP54	IP54	IP65	IP65
Application	Arc Welding					
	Spot Welding					
	Handling	●	●	●		
	Sealing	●	●	●		
	Assembly	●	●	●		
	Press Handling					
	Palletizing					
	Painting				●	●

※ 1) It is based on the maximum permissible output of the controller. Power consumption differs depending on the robot's usage and motion pattern.

2) Explosive proof.

Industrial Robot



Model		HA006B	HA006L	HH010L	HH012	HH020	HH020L	
Payload	kg	6	6	10	12	20	20	
Max. Reach	mm	1,425	1,994	1,964	1,425	1,742	3,281	
Degree of Freedom	Axes	6	6	6	6	6	6	
Installation		Floor/Wall/Ceiling	Floor/Wall/Ceiling	Floor/Wall/Ceiling	Floor/Wall/Ceiling	Floor/Wall/Ceiling	Floor/Wall/Ceiling	
Max. Motion Range	S	°	±172	±185	±185	±185	±180	
	H		+180 ~ -78	+195 ~ -70	+195 ~ -70	+195 ~ -70	+180 ~ -65	
	V		+180 ~ -82	+180 ~ -80	+180 ~ -80	+180 ~ -80	+180 ~ -80	
	R2		±180	±195	±195	±195	±195	
	B		±135	±135	±135	±135	±135	
	R1		±360	±360	±360	±360	±360	
Max. Speed	S	°/s	230	190	190	190	175	
	H		230	180	180	180	175	
	V		230	190	190	190	180	
	R2		430	380	380	380	360	
	B		430	430	380	380	380	
	R1		640	640	600	600	600	
Allowable Torque	R2	kgf.m	1.2	4.0	2.5	2.5	4	4
	B		1.0	1.0	2.5	2.5	4	4
	R1		0.6	0.6	1.1	1.1	2	2
Repeatability	mm	±0.05	±0.08	±0.08	±0.08	±0.06	±0.08	
Ambient Temperature	°C	0 ~ 45	0 ~ 45	0 ~ 45	0 ~ 45	0 ~ 45	0 ~ 45	
Approximate Weight	kg	145	224	230	230	225	535	
Max. Rated Power ¹⁾	KVA	Max. 4.4	Max. 4.4	Max. 4.4	Max. 4.4	Max. 4.4	Max. 8	
Controller Model		Hi5a-S30	Hi5a-S30	Hi5a-S30	Hi5a-S30	Hi5a-S30	Hi5a-S61	
IP Grade	Body / Option	IP54 / IP64	IP54 / IP64	IP54 / IP64	IP54 / IP64	IP54 / IP64	IP54 / IP65	
	Wrist	IP54	IP54	IP65	IP65	IP65	IP67	
Application	Arc Welding	●	●	●	●	●		
	Spot Welding							
	Handling	●	●	●	●	●	●	
	Sealing	●	●	●	●	●	●	
	Assembly	●	●	●	●	●	●	
	Press Handling					●		
	Palletizing							
	Painting							

※ 1) It is based on the maximum permissible output of the controller. Power consumption differs depending on the robot's usage and motion pattern.

※ The color of industrial robot can be changed at the request of the customer.



HX300L	HX400	HX400L	HX400S	HX500	HX500S	HX600
300	400	400	400	500	500	600
3,056	2,573	3,056	3,106	2,703	3,068	2,704
6	6	6	6	6	6	6
Floor	Floor	Floor	Shelf	Floor	Shelf	Floor
±180	±180	±180	±180	±180	±180	±180
+165 ~ +15	+165 ~ +15	+165 ~ +15	+95 ~ -50	+165 ~ +15	+95 ~ -50	+165 ~ +15
+60 ~ -70	+60 ~ -70	+60 ~ -70	+60 ~ -60	+60 ~ -70	+60 ~ -60	+60 ~ -70
±360	±360	±360	±360	±360	±360	±360
±120	±120	±120	±120	±120	±120	±360
±360	±360	±360	±360	±360	±360	±360
95	95	85	85	90	70	70
95	95	85	85	80	70	60
95	95	85	85	80	70	60
100	100	100	100	100	80	80
100	100	100	100	100	80	80
160	160	160	160	160	130	125
170	200	200	200	304	304	334
170	200	200	200	304	304	334
70	84	84	84	175	175	192
±0.3	±0.08	±0.3	±0.5	±0.08	±0.3	±0.08
0 ~ 45	0 ~ 45	0 ~ 40	0 ~ 45	0 ~ 45	0 ~ 45	0 ~ 40
2,685	2,620	2,950	2,910	3,130	3,240	3,200
Max. 10.5	Max. 10.5	Max. 10.5	Max. 10.5	Max. 10.5	Max. 10.5	Max. 10.5
Hi5a-S80	Hi5a-S80	Hi5a-S80	Hi5a-S80	Hi5a-S80	Hi5a-S80	Hi5a-S80
IP54	IP54	IP54	IP54	IP54	IP54	IP54
IP67	IP67	IP67	IP67	IP67	IP67	IP67
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●



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