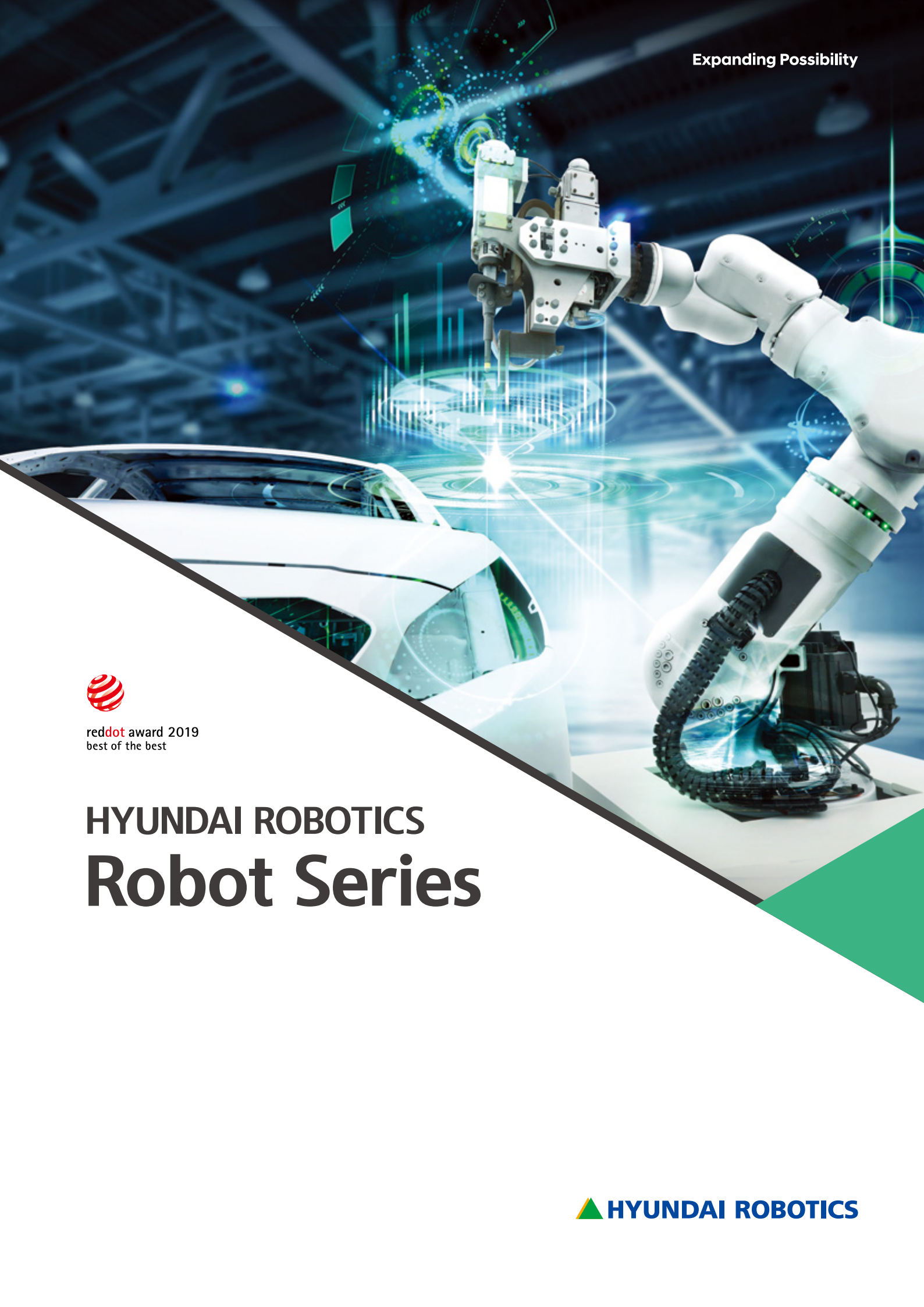


Expanding Possibility



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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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