

GR6150-2200

**Maximum Reach:2203 mm /
Hollow Wrist / Max Payload:15 kg**

Highlights

Provides floor mount, invert mount, wall mount and other installation methods;
The three-segment design of the upper arm cover and facilitate the disassembly, installation and integration;
The large diameter hollow wrist is configured and the paint pipe can be arranged inside the wrist for easy integration;
It supports the expansion of additional axis;
Optional offline programming studio, standard painting process application, built-in peripheral equipment I/O, easy to program and integrate;
Through the explosion-proof certification of China, EU and ITTC, it can be used in zone 1 gas and zone 21 dust hazardous working environment.

Applications

Developed for automotive painting is suitable for interior and exterior parts of auto and other automotive parts painting;
suitable for automotive and parts, engineering vehicles, special vehicles and other large workpiece painting.

Industries

Suitable for auto and auto parts, commercial vehicles, special vehicles, two-wheeled and three-wheeled vehicles, rail transit, construction machinery, aviation, ships and other industries.



EFORT Intelligent Robot Co., Ltd.

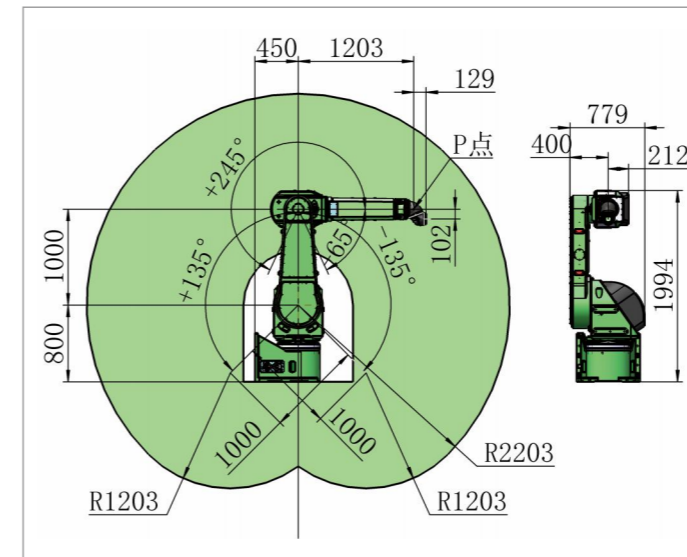
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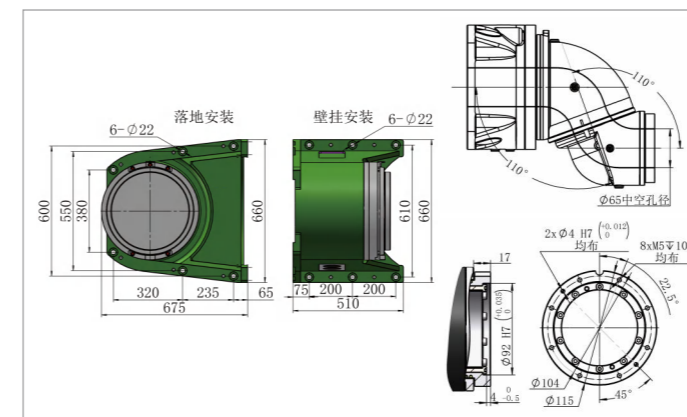
SPECIFICATIONS

Max. Payload on Wrist		15 kg	
Reach		2203 mm	
Repeatability		±0.15 mm	
Motion Range & Maximum Speed	Motion Range	Maximum Speed	
	J1	±160°	100°/sec
	J2	±135°	100°/sec
	J3	-65°/+245°	120°/sec
	J4	±540°	360°/sec
	J5	±540°	420°/sec
Allowable Load Moment at Wrist	J4	44.2 N·m	
	J5	28.8 N·m	
	J6	15.1 N·m	
Allowable Load Inertia at Wrist	J4	1.17 kg·m ²	
	J5	0.87 kg·m ²	
	J6	0.15 kg·m ²	

OPERATING SPACE



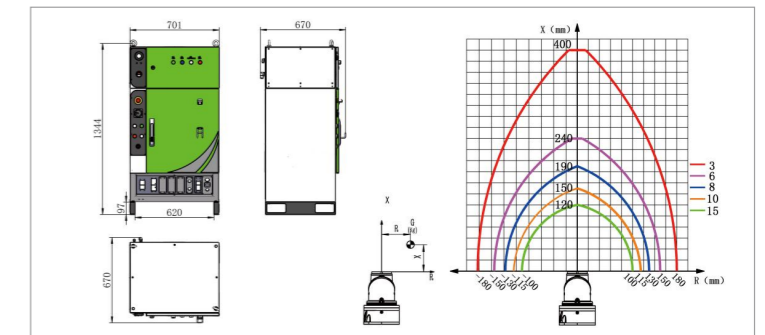
BASE & END FLANGE MOUNTING SIZE



GR-Series Painting Robot

Structure		6-Axis Series Structure
Installation		Floor, Upside-down, Wall
IP Grade	Robot	IP 65
	Cabinet	IP 54
Explosion-Proof	Gas	Ex db ib pxb IIC T4 Gb
	Dust	Ex ib pxb tb IIIC T135°C Db
Environment Requirements	Voltage	AC400V(±10%)
	Power Capacity	11 kVA
	Temperature	0-45 °C
Arm Payload	Outer Arm	15 kg
	Inner Arm	15 kg
Weight	Robot	635 kg
	Cabinet	160 kg

CONTROL CABINET SIZE & WRIST END LOAD MAP



SELECTION & CONFIGURATION TABLE

Item	Standard	Optional	
Driver	6 Axes	6+2 Axes	
Connector Cable	Static: 8 m	Max: 30 m	
	/	Towing Cable: Max 30 m	
Pendant	8 m	Max: 30 m	
DI/DO	16/16	/	
AI/AO	/	Customized: Max 4	
Communication Mode	Ethercat	ProfiNet	CCLink
Memory Capacity	1GB	/	
Software Package	Painting Package	/	
Belt Tracking	/	Optional	
Color	RAL6018	Customized	

*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.