GR6100-3100

Maxium Reach:3074 mm / Lemma Wrist / Max Payload:10 kg

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■ Highlights

Provides floor mount, invert mount, wall mount and other installation methods;
The three-segment of the upper arm and facilitate the disassembly, installation and integration;
Configuration of the lemma 3R wrist has no singularity in front, which facilitates the 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 general industrial painting applications, suitable for wood, furniture, ceramics, metal, hardware, containers, energy storage boxes, construction machinery, steel structure and other workpiece painting.

■ Industries

Suitable for wood, furniture, ceramics, metal, hardware, containers, energy storage boxes, construction machinery, steel structure and other industries.
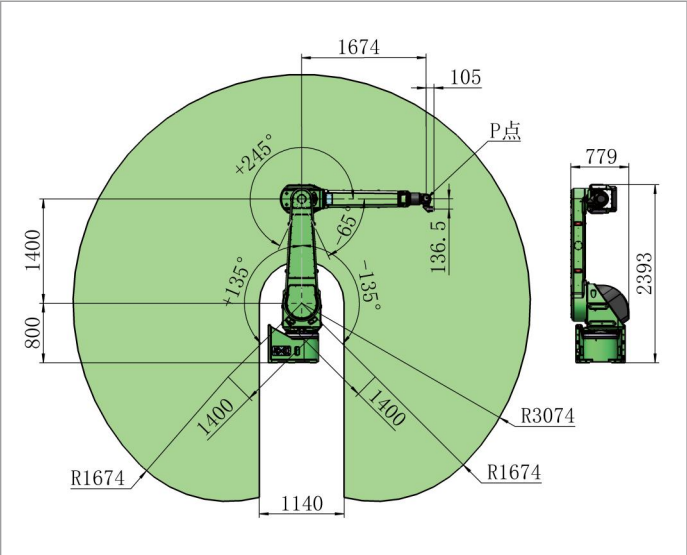
EFORT Intelligent Robot Co., Ltd.
PHONE: (00 86) 400-052-8877
ADDRESS: No. 96, Wanchun East Road, Wuhu, China
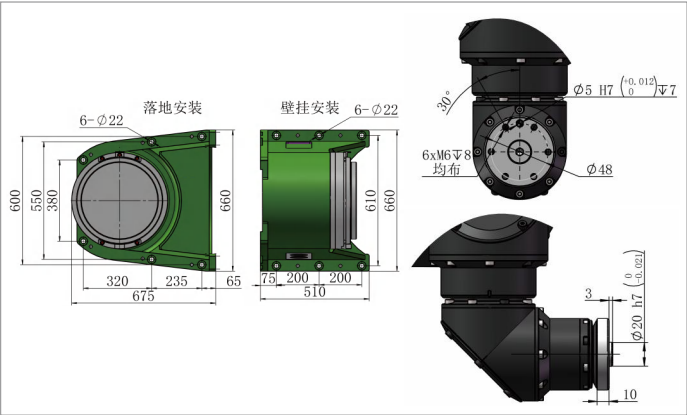(Anhui) Pilot Free Trade Zone
WWW.EFORT.COM.CN

SPECIFICATIONS

Max. Payload on Wrist		10 kg	
Reach		3074 mm	
Repeatability		±0.15 mm	

		Motion Range	Maximum Speed
Motion Range & Maximum Speed	J1	±160°	100°/sec
	J2	±135°	100°/sec
	J3	-70°/+250°	120°/sec
	J4	±360°	360°/sec
	J5	±360°	400°/sec
	J6	±360°	450°/sec
Allowable Load Moment at Wrist	J4	30 N·m	
	J5	25 N·m	
	J6	12 N·m	
Allowable Load Inertia at Wrist	J4	0.8 kg·m²	
	J5	0.59 kg·m²	
	J6	0.1 kg·m²	

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℃ Db
Environment Requirements	Voltage	AC400V(±10%)
	Power Capacity	11 kVA
	Temperature	0-45 ℃
	Humidity	RH≤80%(No Condensation)
Arm Payload	Outer Arm	15 kg
	Inner Arm	15 kg
Weight	Robot	660 kg
	Cabinet	160 kg

OPERATING SPACE

BASE& END FLANGE MOUNTING SIZE

CONTROL CABINET SIZE&WRIST END LOAD MAP

SELECTION&CONFIGURATION TABLE

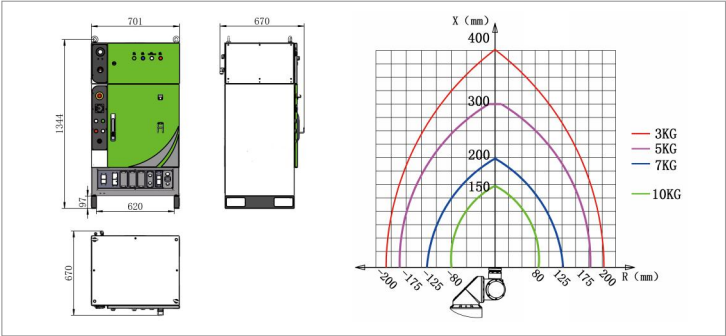| Item	Standard	Optional	
Driver	6 Axes	6+2 Axes	
Connecter Cable	Static:8 m	Max:30 m	
	/	Towing Cable:Max 30 m	
Pendant	8 m	Max:30 m	
DI/DO	16/16	/	
AI/AO	/	Customized:Max 4	
Communication Mode	Ethercat	ProfiNet	CClink
Memory Capacity	1GB	/	
Software Package	Painting Package	/	
Belt Tracking	/	Optional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

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

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