

GR6100-1700

**Maximum Reach:1674 mm /
Lemma Wrist / Max Payload:10 kg**

■ Highlights

Provides floor mount, invert mount, wall mount, angle mount and other installation methods;
The segmented design 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 is 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

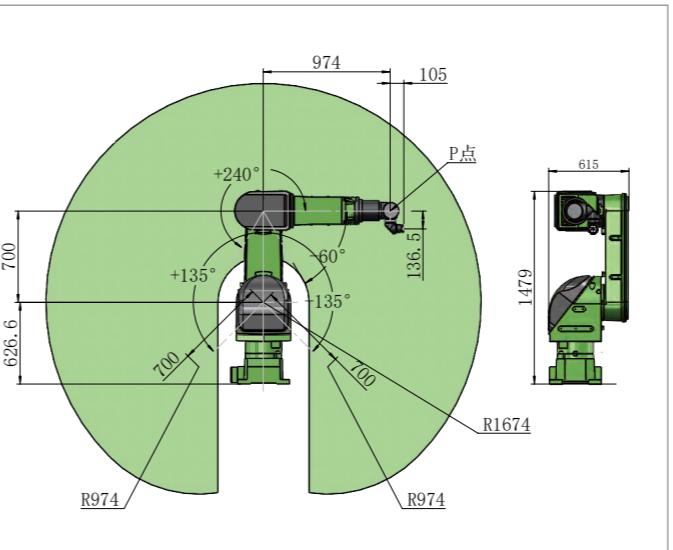
WWW.EFORT.COM.CN

EFORT

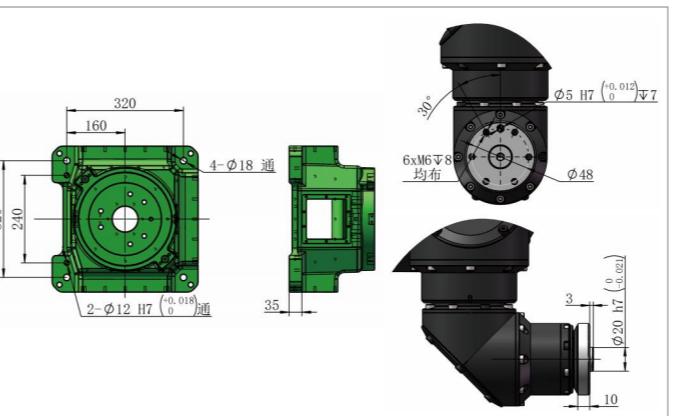
SPECIFICATIONS

Motion Range & Maximum Speed	Max. Payload on Wrist	10 kg	
	Reach	1674 mm	
	Repeatability	±0.15 mm	
		Motion Range	Maximum Speed
J1	±160°	180°/sec	
J2	±135°	180°/sec	
J3	-60°/+240°	180°/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	
	J4	0.8 kg·m ²	
	J5	0.59 kg·m ²	
	J6	0.1 kg·m ²	

OPERATING SPACE



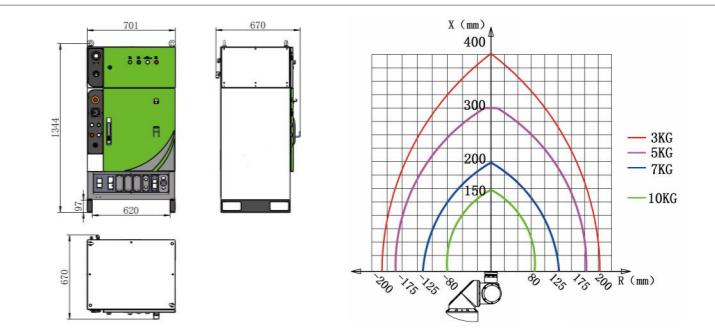
BASE& END FLANGE MOUNTING SIZE



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

IP Grade	Structure	6-Axis Series Structure
	Installation	Floor,Up-side-down,Wall,Angle mount
Environment Requirements	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
Voltage	AC400V(±10%)	
	Power Capacity	11 kVA
Temperature	0-45 °C	
	Humidity	RH≤80% (No Condensation)
Outer Arm	15 kg	
	Inner Arm	10 kg
Weight	Robot	280 kg
	Cabinet	140 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

Information Release Time 2025/12