

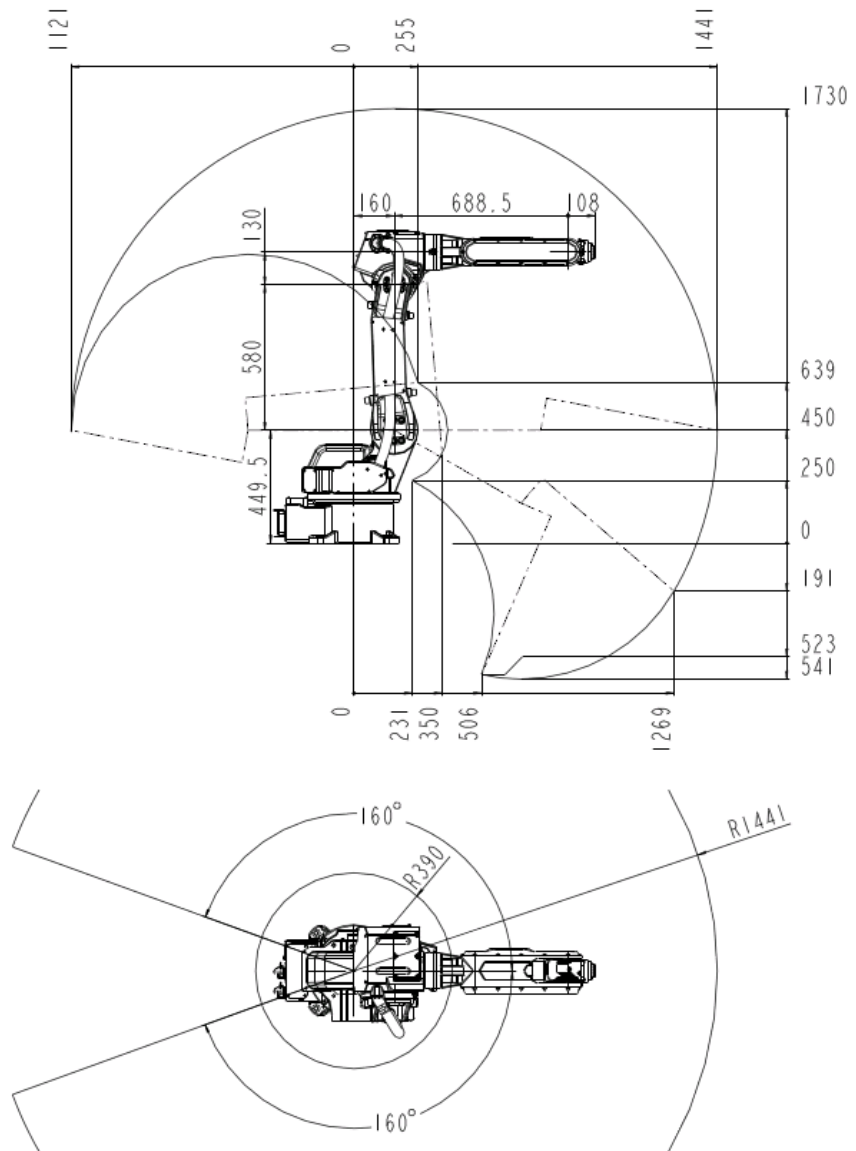
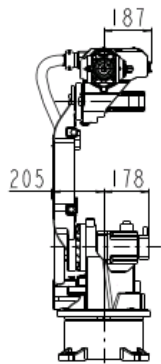
Specifications and Drawings of QJR6-1

I. QJR6-1 Robot basic specification table

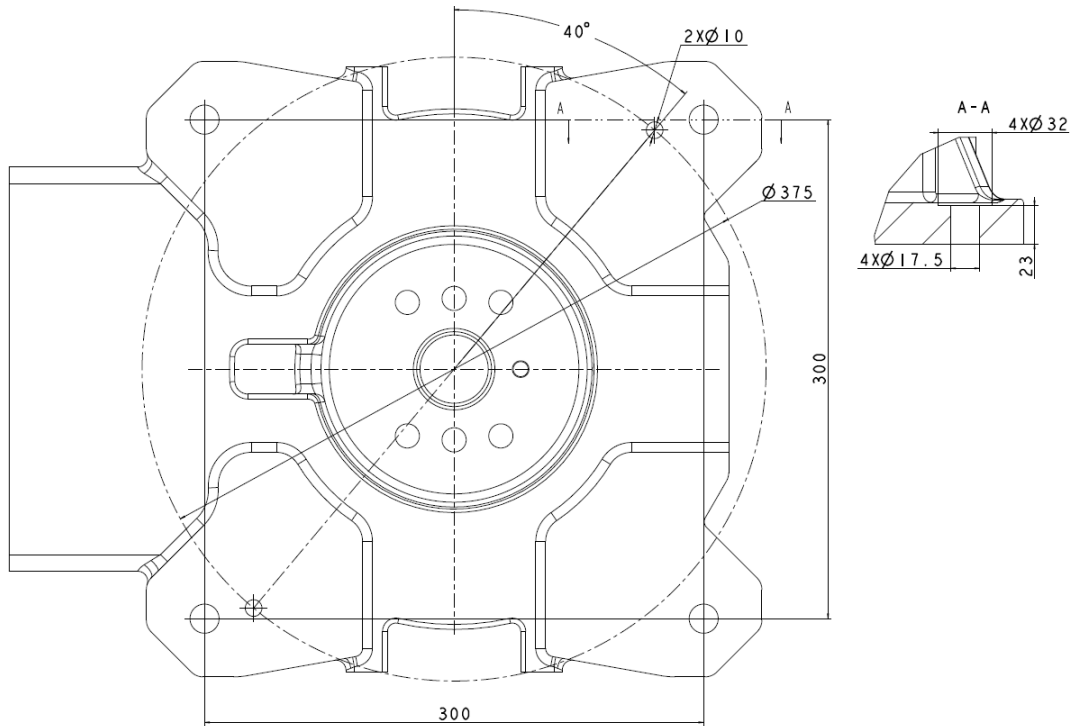
QJR6-1 Basic specification sheet			
Body shape		Vertical multiarticular	
Degrees of freedom		6	
The payload		6kg	
Arm span		1441mm	
Repeated positioning accuracy ^2		$\pm 0.03\text{mm}$	
Mechanical limit range	1axis	$\pm 168^\circ$	
	2axis	$+150^\circ, -86^\circ$	
	3axis	$+87^\circ, -110^\circ$	
	4axis	$\pm 170^\circ$	
	5axis	$\pm 125^\circ$	
	6axis	$\pm 360^\circ$	
Maximum speed	1axis	3.5 rad/s	200 °/ s
	2axis	3.1 rad/s	177 °/ s
	3axis	3.5 rad/s	200 °/ s
	4axis	7.5 rad/s	429 °/ s
	5axis	7.5 rad/s	429 °/ s
	6axis	10.5 rad/s	601 °/ s
Maximum acceleration	1axis	14 rad/s ²	802 °/s ²
	2axis	12 rad/s ²	687 °/s ²
	3axis	25 rad/s ²	1432 °/s ²
	4axis	50 rad/s ²	2864 °/s ²
	5axis	50 rad/s ²	2864 °/s ²
	6axis	70 rad/s ²	4010 °/s ²
Allow the torque	4axis	13.1 N.m	
	5axis	13.1 N.m	
	6axis	5.9 N.m	
Inertia moment	4axis	0.3 kg.m ²	
	5axis	0.3 kg.m ²	
	6axis	0.06 kg.m ²	

Body weight		170 kg
Installation environment	temperature	0~45 °C
	humidity	20%~80% RH(no condensation)
	vibration	<4.9m/s ² (0.5G)
	other	Avoid flammable, corrosive gases and liquids; Avoid contact with water, oil, dust, etc. Keep away from electrical noise sources.
The power capacity		2.7kVA

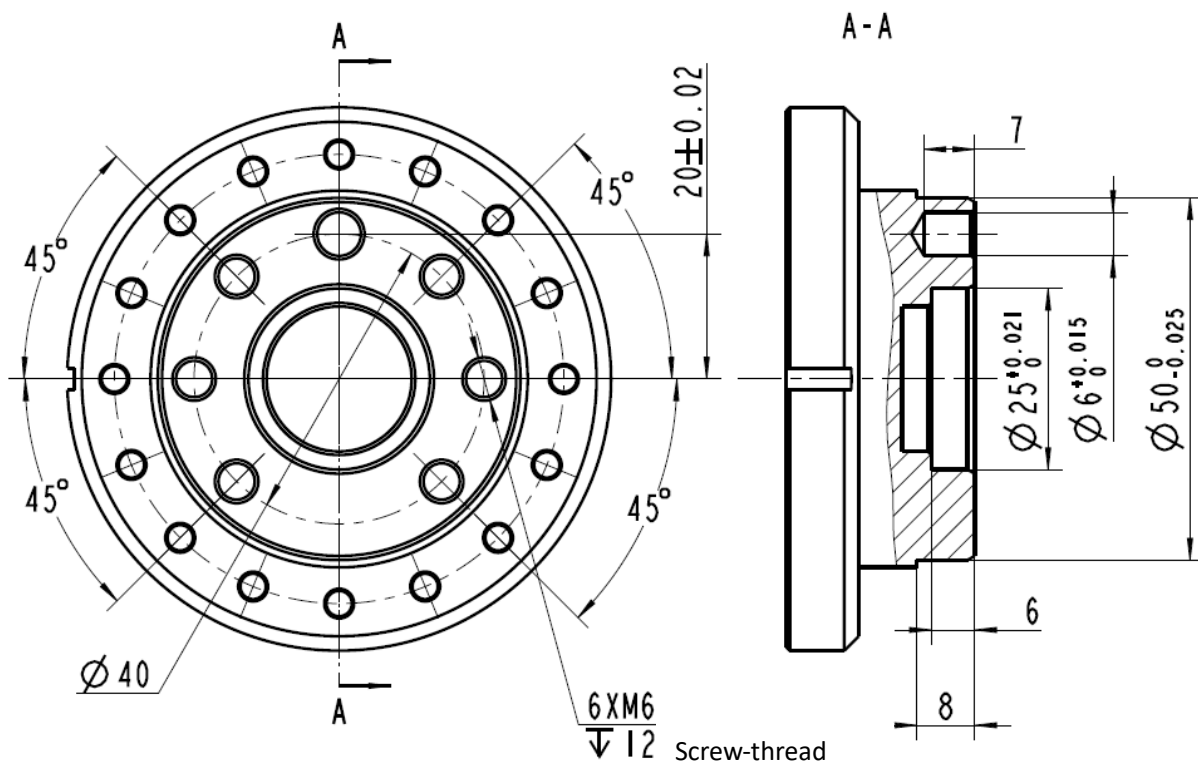
II. QJR6-1 Diagram of the robot's overall size and maximum motion range



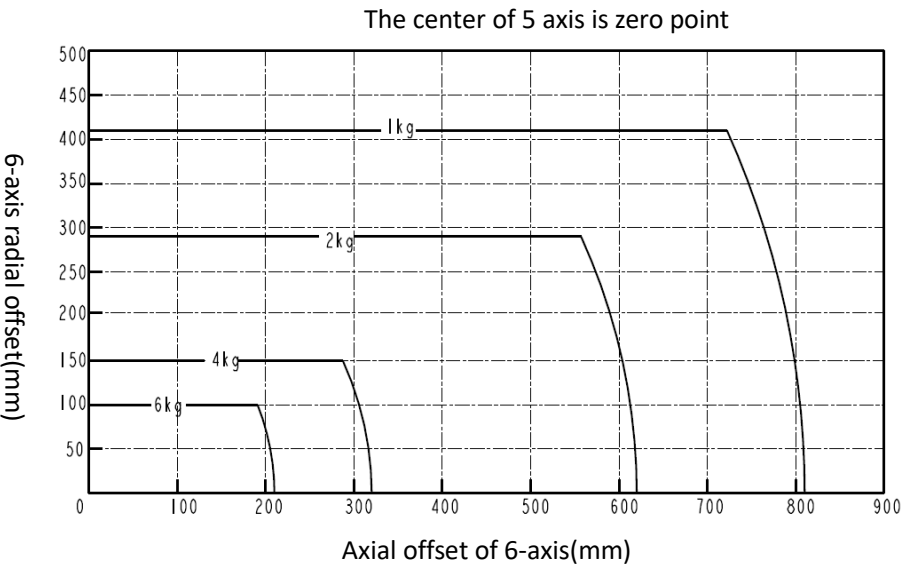
III. QJR6-1 Robot base mounting dimension drawing



IV. QJR6-1 Installation dimension drawing of robot end



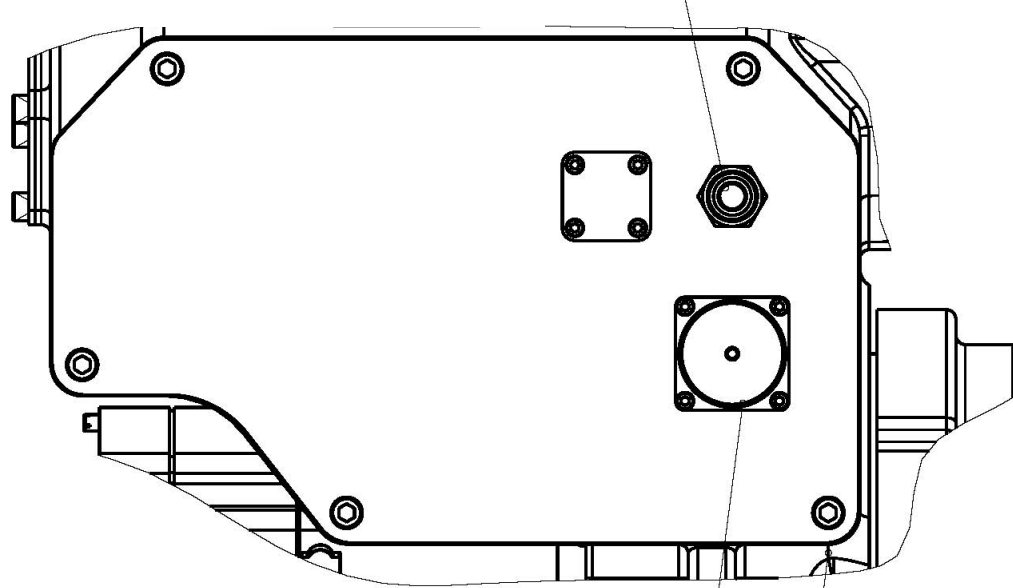
V. QJR6-1 Robot Load Chart



VI. Schematic diagram of robot reserved gas path and I / O interface position

1. Non-welded condition :

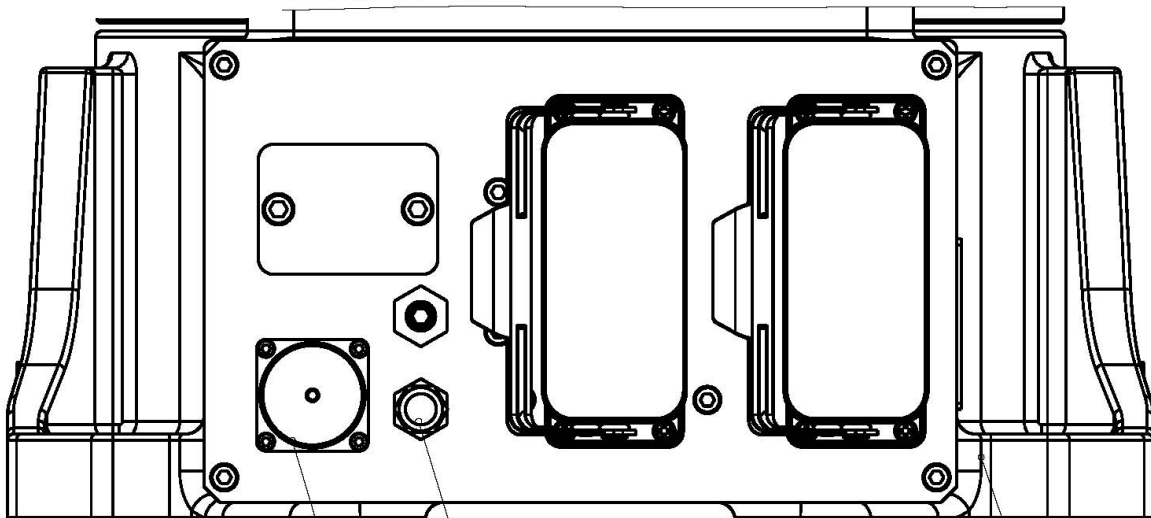
Air outlet: the external diameter of air pipe is $\phi 8\text{mm}$.



Round connector plug WF28J12Z I/O line $0.3\text{mm}^2 \times 12\text{C}$.

Fore arm

Pairing: Round connector plug WF28K12TE.



Air outlet: the external diameter of air pipe is $\phi 8\text{mm}$ Base

Round connector plug WF28J12Z-3, I/O line: $0.3\text{mm}^2 \times 12\text{C}$

Pairing: Round connector plug WF28K12TE-3,

10A cold pressing female YK1.5-20.4-1.OAU

(1.OAU is optional according to the need)

explain:

The base and the fore arm position circular connector plug are connected in the same position

VI. QJR6-1 Configuration table of robot products

QJR6-1 Configuration table of robot products	
Motor	GAOHUA
RV Reducer	Domestic reducer
Harmonic reducer	Shimpo
Controller	QJAR
Drive	Tsino dynatron

VII. QJR6-1 Controller cabinet

QJR6-1 controller cabinet	
Control hardware	QJAR controller
Control cabinet software	QJAR system
Power Supply	Three phase four wire AC380V (+ 10%, - 10%)
Rated power	4.5KW
Power capacity	2.7KVA
Size of control cabinet	580x600x960mm
Weight of control cabinet	130kg
ambient temperature	0-45°C
Maximum humidity	20%~80% RH (no condensation)
Protection level	IP21
operation panel	On the control cabinet
Programming unit	Color touch screen teaching box
Security	Emergency stop, automatic mode stop, remote mode stop
Input and output	Digital IO 7 input 13 output, analog 2 output