

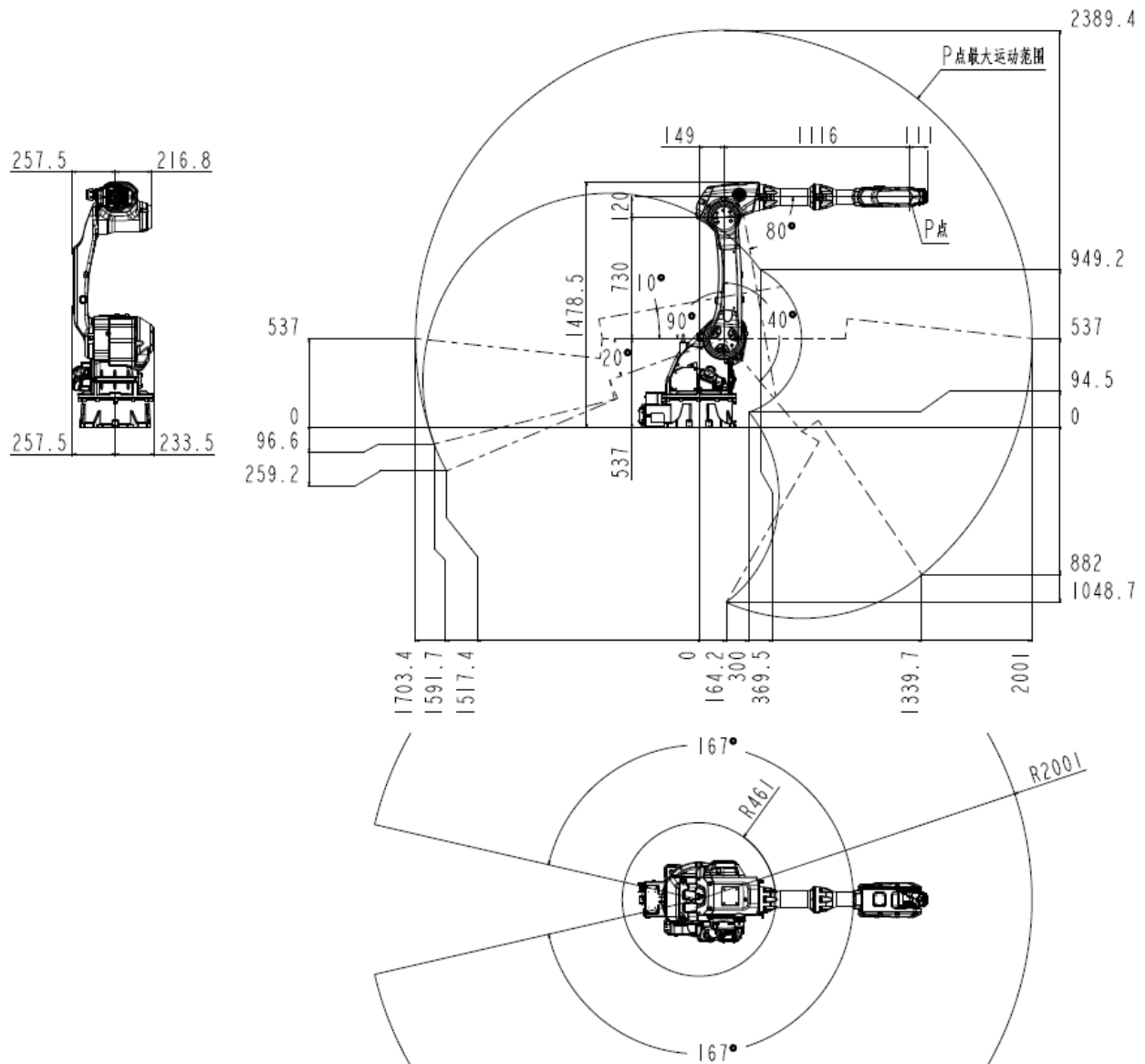
Specifications and Drawings of QJR10-2000

I. QJR10-2000 Robot basic specification table

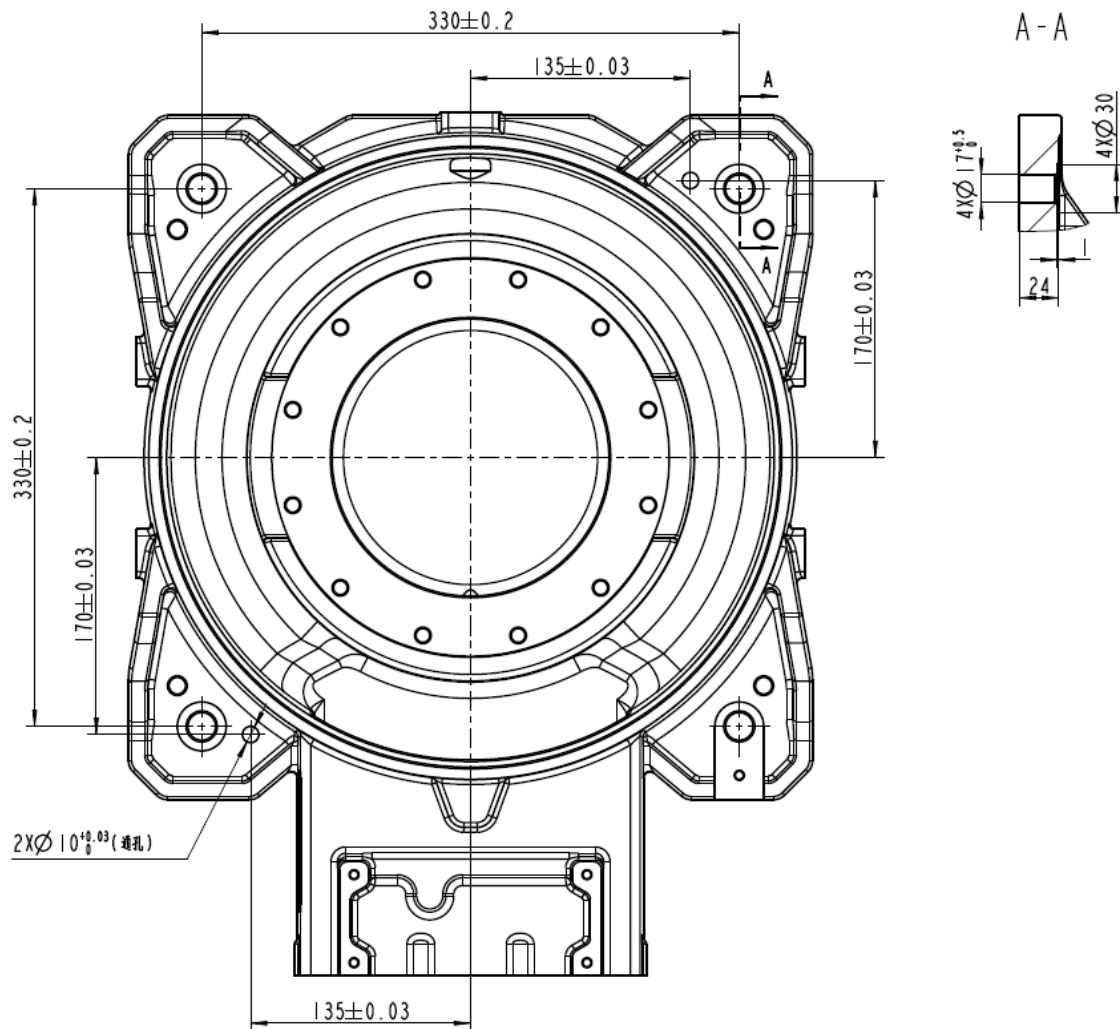
QJR10-2000 Basic specification sheet			
Body shape		Vertical multiarticular	
Degrees of freedom		6	
The payload		10kg	
Arm span		2001mm	
Repeated positioning accuracy $\wedge^2$		$\pm 0.05\text{mm}$	
Mechanical limit range	1axis	$\pm 172^\circ$	
	2axis	$+147^\circ, -115^\circ$	
	3axis	$+83^\circ, -98^\circ$	
	4axis	$\pm 167^\circ$	
	5axis	$\pm 115^\circ$	
	6axis	$\pm 360^\circ$	
Maximum speed	1axis	2.7 rad/s	154 $^\circ/\text{s}$
	2axis	2.7 rad/s	154 $^\circ/\text{s}$
	3axis	3 rad/s	171 $^\circ/\text{s}$
	4axis	7 rad/s	401 $^\circ/\text{s}$
	5axis	9 rad/s	515 $^\circ/\text{s}$
	6axis	11.5 rad/s	658 $^\circ/\text{s}$
Maximum acceleration	1axis	14 rad/s^2	802 $^\circ/\text{s}^2$
	2axis	10 rad/s^2	572 $^\circ/\text{s}^2$
	3axis	15 rad/s^2	859 $^\circ/\text{s}^2$
	4axis	35 rad/s^2	2005 $^\circ/\text{s}^2$
	5axis	25 rad/s^2	1432 $^\circ/\text{s}^2$
	6axis	60 rad/s^2	3437 $^\circ/\text{s}^2$
Allow the torque	4axis	24.6 N.m	
	5axis	24.6 N.m	
	6axis	9.8 N.m	
Inertia moment	4axis	0.63 kg.m^2	
	5axis	0.63 kg.m^2	
	6axis	0.1 kg.m^2	
Body weight		275 kg	
Protection level		IP65、ExdpXIIBT4Gb	
Installation environment	temperature	0~45 $^\circ\text{C}$	
	humidity	20%~80% RH(No condensation)	
	vibration	<4.9 m/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		3.6 kVA

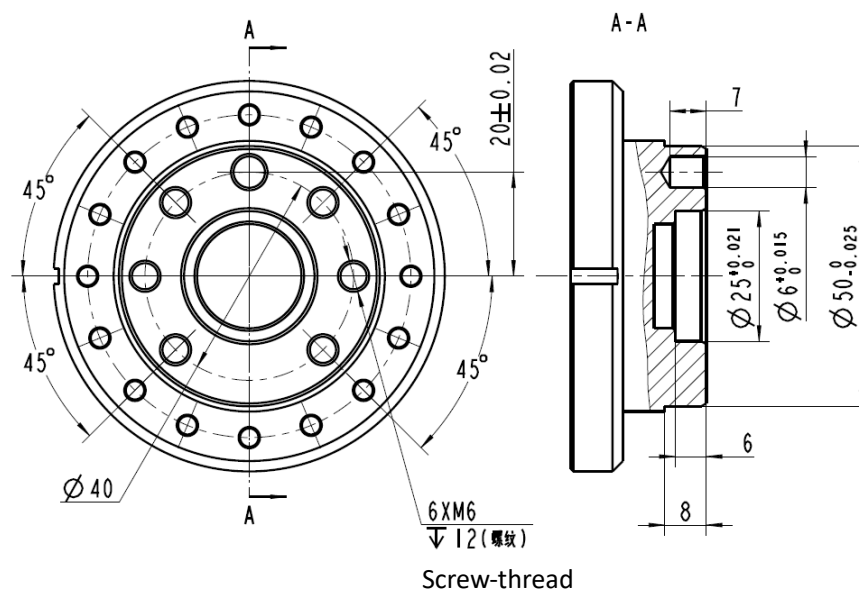
II. QJR10-2000 Diagram of the robot's overall size and maximum motion range



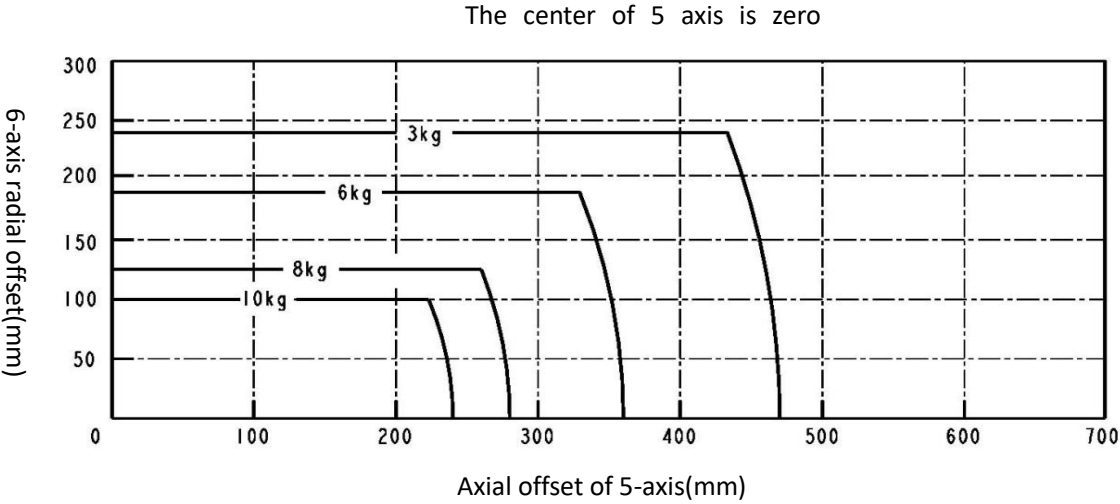
III. QJR10-2000 Robot base mounting dimension drawing



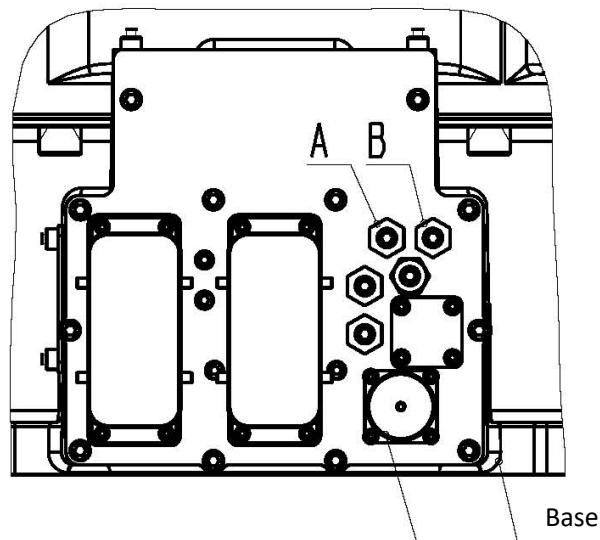
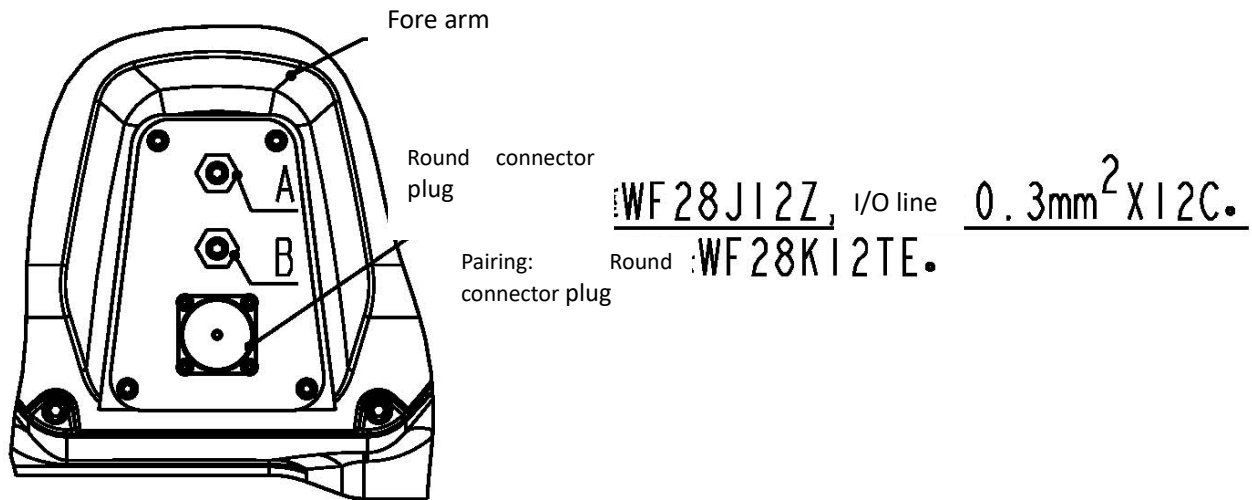
IV. QJR10-2000 Installation dimension drawing of robot end



V. QJR10-2000 Robot Load Chart



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



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

Pairing: Round connector plug **WF28K12TE**,

explain:

1. Base A and B are air inlets, R1/8 thread, with conical plug, and the outer diameter of the gas pipe is $\phi 8\text{mm}$
2. Forearm A and B are air outlets, R1/8 thread, with cone plug, and the outer diameter of the gas pipe is $\phi 8\text{mm}$
3. The base and the circular connector socket at the forearm position are connected at the same position

VII. QJR10-2000 Configuration table of robot products

QJR10-2 Configuration table of robot products	
Motor	TAMAGAWA/Gaohua
RV Reducer	Nabtesco/Domestic
Harmonic reducer	Shimpo
Controller	KEBA/QJAR
Drive	Tsino dynatron

VIII. QJR10-2 Controller cabinet

QJR10-2 controller cabinet	
Control hardware	QJAR controller
Control cabinet software	QJAR system
Power Supply	Three phase four wire AC380V (+ 10%, - 10%)
Rated power	6KW
Power capacity	3.6KVA
Size of control cabinet	580x600x960mm
Weight of control cabinet	130kg
ambient temperature	0-45°C
Maximum humidity	20%~80% RH (no condensation)
Protection level	IP54
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 15 input 21 output