QJAR

QJRP6-2



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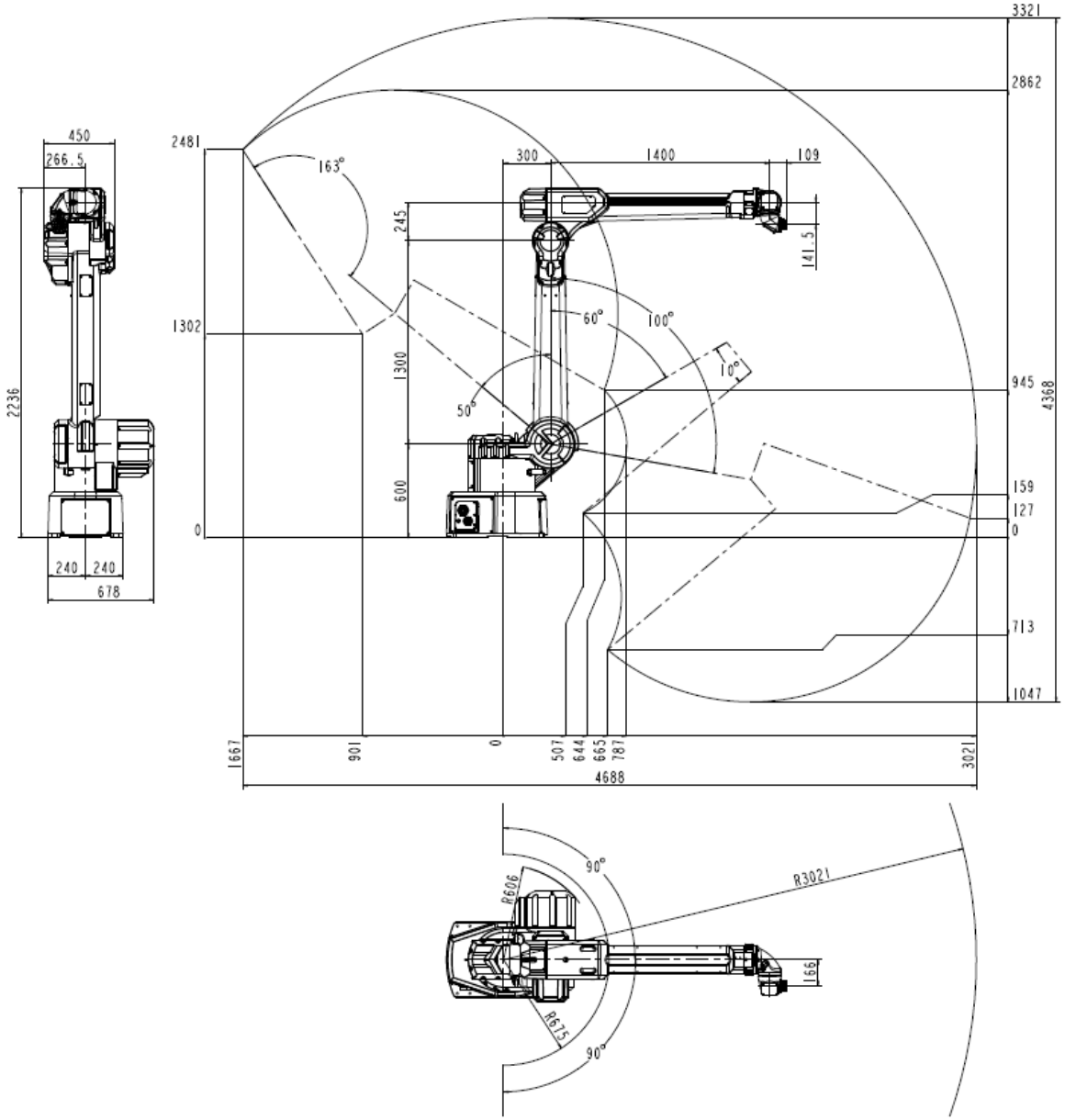
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Specifications and Drawings of QJRP6-2

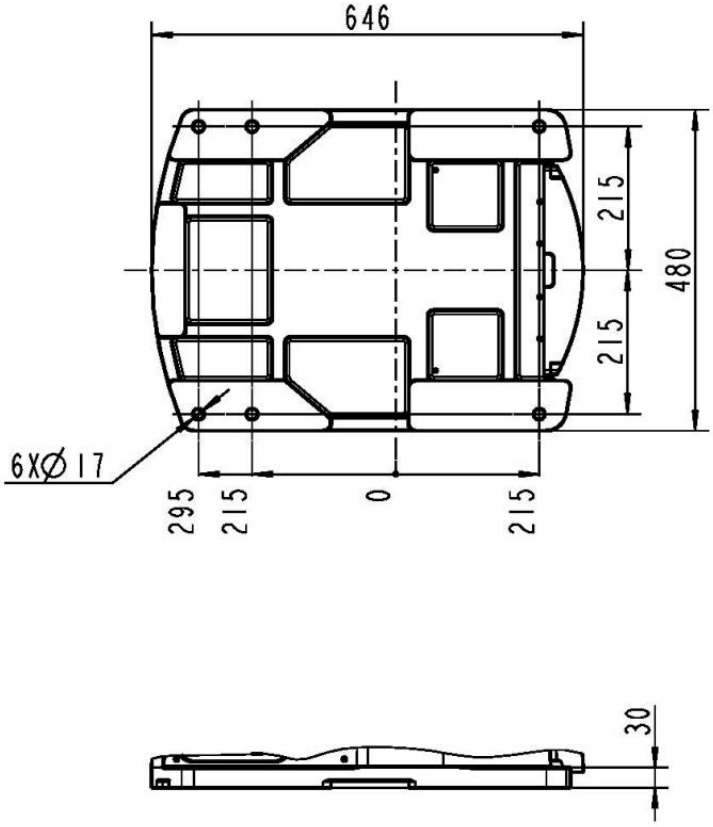
I. QJRP6-2 Robot basic specification table

QJRP6-2 Basic specification sheet			
Body shape		Vertical multiarticular	
Degrees of freedom		6	
The payload		6kg	
Arm span		3021mm	
Repeated positioning accuracy ^2		±0.5mm	
Mechanical limit range	1axis	±95°	
	2axis	+102° , -53°	
	3axis	+80° , -80°	
	4axis	±260°	
	5axis	±270°	
	6axis	±260°	
Maximum speed	1axis	1.9 rad/s	108.9 °/s
	2axis	1.8 rad/s	103.2 °/s
	3axis	1.9 rad/s	108.9 °/s
	4axis	6.3 rad/s	361.1 °/s
	5axis	6.3 rad/s	361.1 °/s
	6axis	6.3 rad/s	361.1 °/s
Maximum acceleration	1axis	4.5 rad/s2	258.0 °/s2
	2axis	3.5 rad/s2	200.6 °/s2
	3axis	5 rad/s2	286.6 °/s2
	4axis	30 rad/s2	1719.7 °/s2
	5axis	30 rad/s2	1719.7 °/s2
	6axis	26 rad/s2	1490.4 °/s2
Allow the torque	4axis	10.96 N.m	
	5axis	10.96 N.m	
	6axis	4.90 N.m	
Inertia moment	4axis	0.25 kg.m2	
	5axis	0.25 kg.m2	
	6axis	0.05 kg.m2	
Body weight		400 kg	
Installation environment	temperature	0~45 ℃	
	humidity	20%~80% RH(No condensation)	
	vibration	<4.9m/s2 (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		3.9kVA	

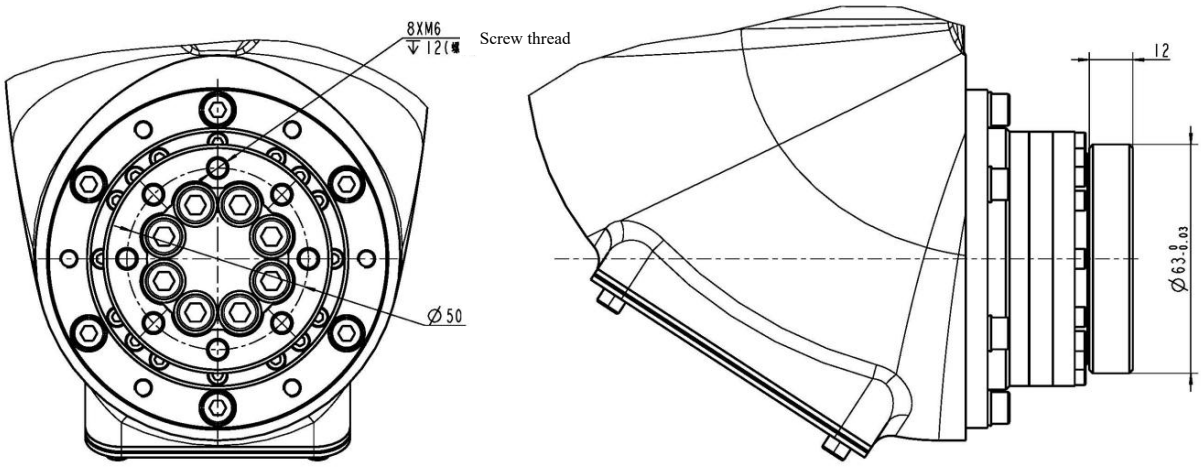
II. QJRP6-2 Diagram of the robot's overall size and maximum motion range



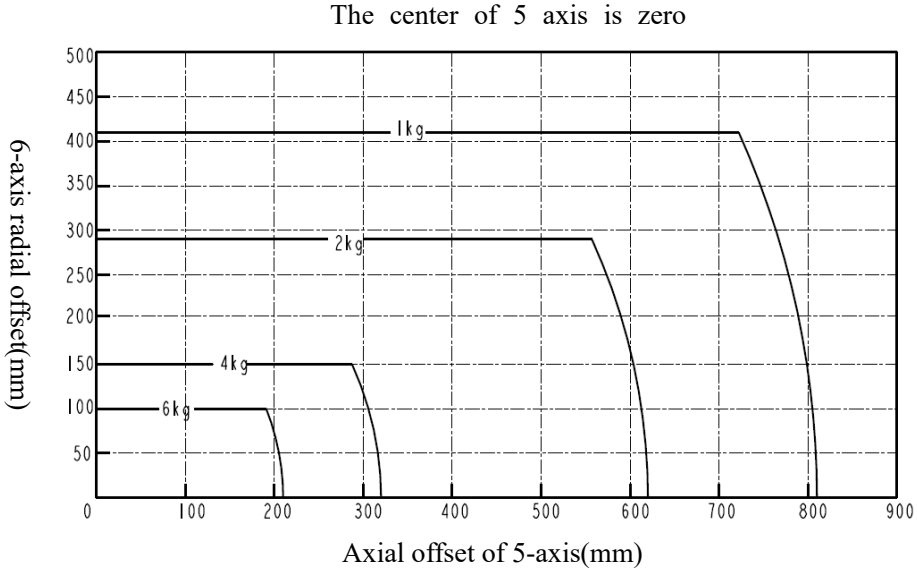
III. QJRP6-2 Robot base mounting dimension drawing



IV. QJRP6-2 Installation dimension drawing of robot end



V. QJRP6-2 load capacity diagram



VI. QJRP6-2 Configuration table of robot products

QJRP6-2 Configuration table of robot products	
Motor	TAMAGAWA
RV Reducer	Nabtesco
Harmonic reducer	Leaderdrive
Planetary reducer	Shimpo
Controller	KEBA
Drive	Tsino dynatron

VII. QJRP6-2 Controller cabinet

QJRP6-2 controller cabinet	
Control hardware	KEBA
Control cabinet software	KEBA
Power Supply	Three phase four wire AC380V(+10%,-10%)
Rated power	6.5KW
Power capacity	3.9KVA
Size of control cabinet	650x750x1150mm
Weight of control cabinet	120kg
ambient temperature	0-45℃
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 21 input 24 output