

QJAR

QJRB15-1

CE

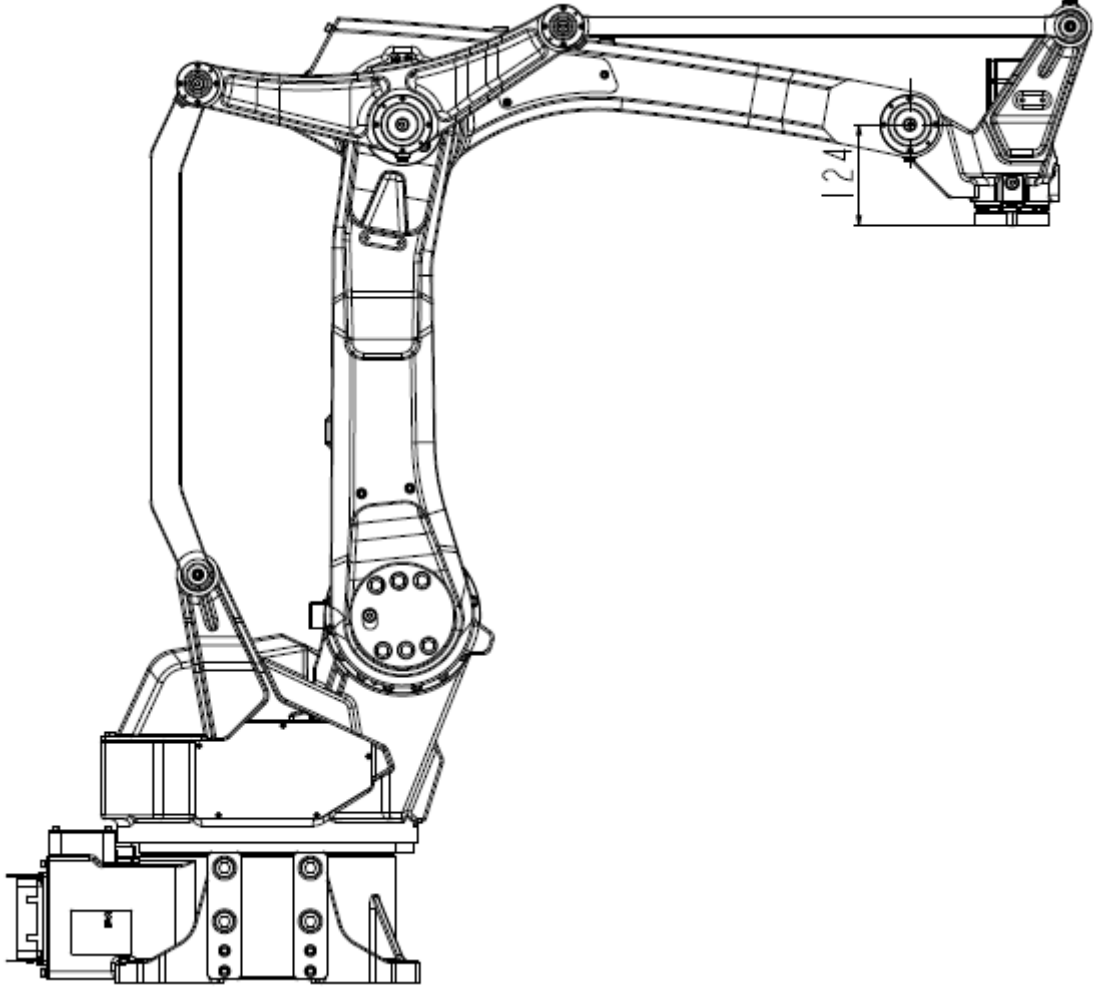


QJRB15-1'in Özellikleri ve Çizimleri

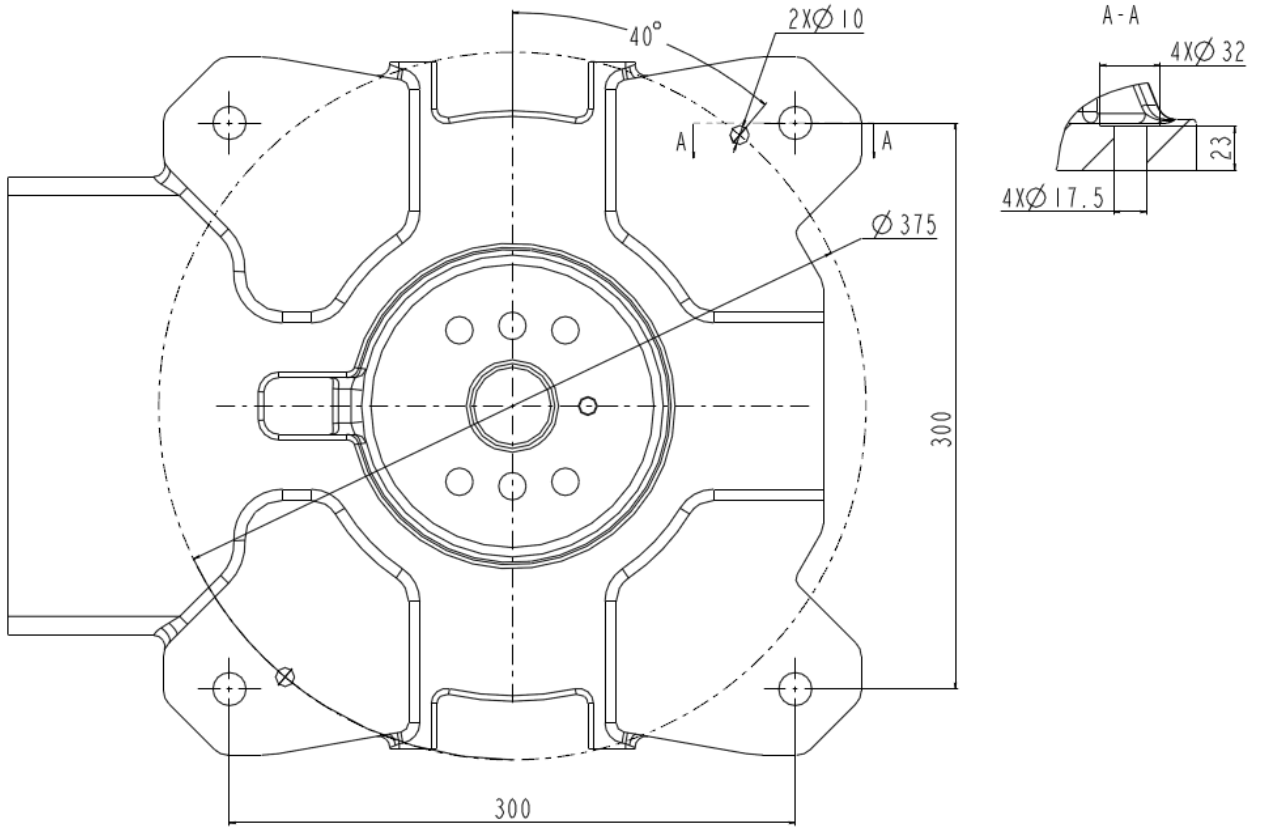
I. QJRB15-1 Robot Temel Özellikleri

QJRB15-1 Temel Özellikler			
Body shape		Vertical multiarticular	
Degrees of freedom		4	
The payload		15kg	
Arm span		1510mm	
Repeated positioning accuracy ^2		$\pm 0.05\text{mm}$	
Mechanical limit range	1axis	$\pm 168^\circ$	
	2axis	$+105^\circ, -50^\circ$	
	3axis	$+105^\circ, -25^\circ$	
	4axis	$\pm 360^\circ$	
Maximum speed	1axis	3.7 rad/s	211 °/s
	2axis	3.7 rad/s	211 °/s
	3axis	4.2 rad/s	240 °/s
	4axis	10 rad/s	572 °/s
Maximum acceleration	1axis	12rad/s ²	687 °/s ²
	2axis	12rad/s ²	687 °/s ²
	3axis	30 rad/s ²	1145 °/s ²
	4axis	60 rad/s ²	3437 °/s ²
Allow the torque	4axis	29.4 N.m	
Inertia moment	4axis	0.6 kg.m ²	
Body weight		160 kg	
Protection level		IP30/IP65	
Installation environment	tempe rature	0~45 °C	
	humid ity	20%~80% RH(No condensation)	
	vibrati on	<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	

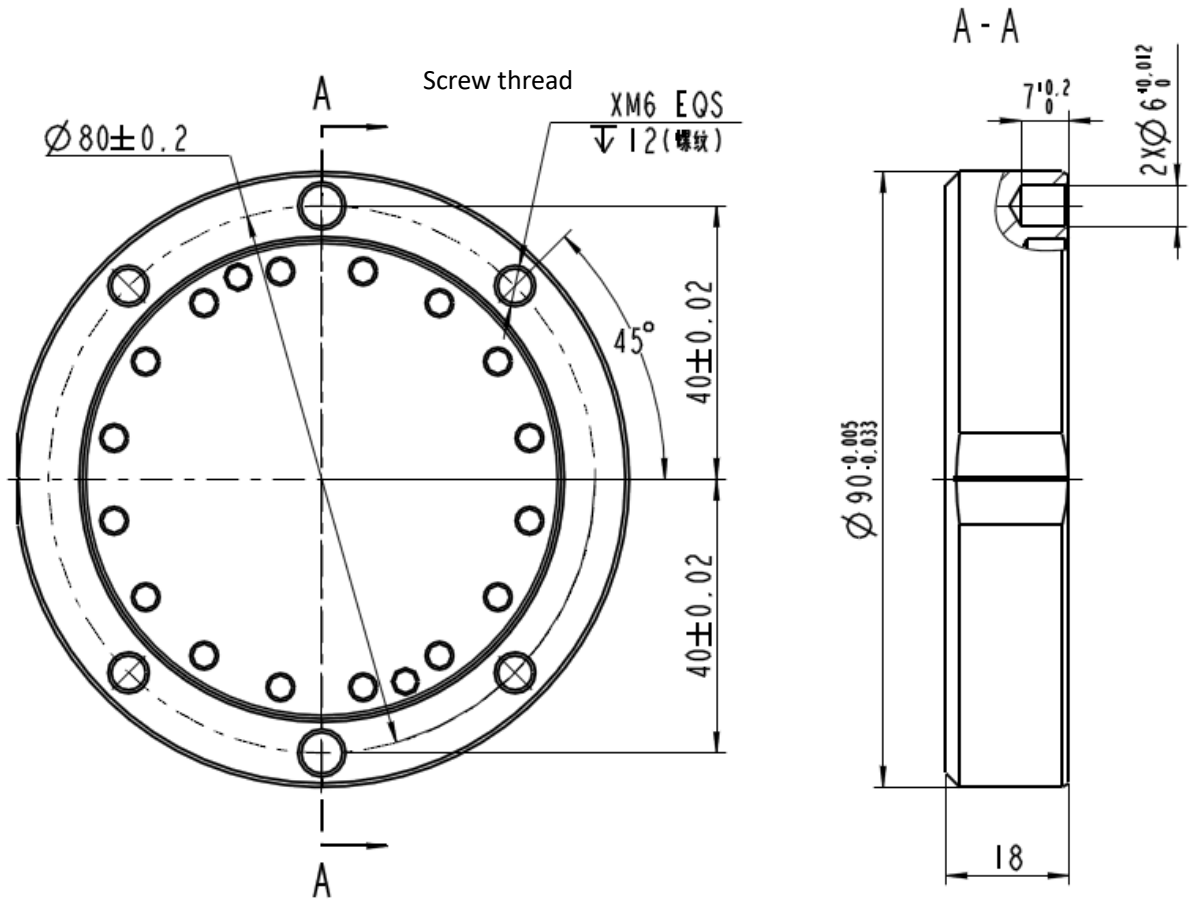
II. QJRB15-1 Robotun genel boyutunun ve maksimum hareket aralığının şeması



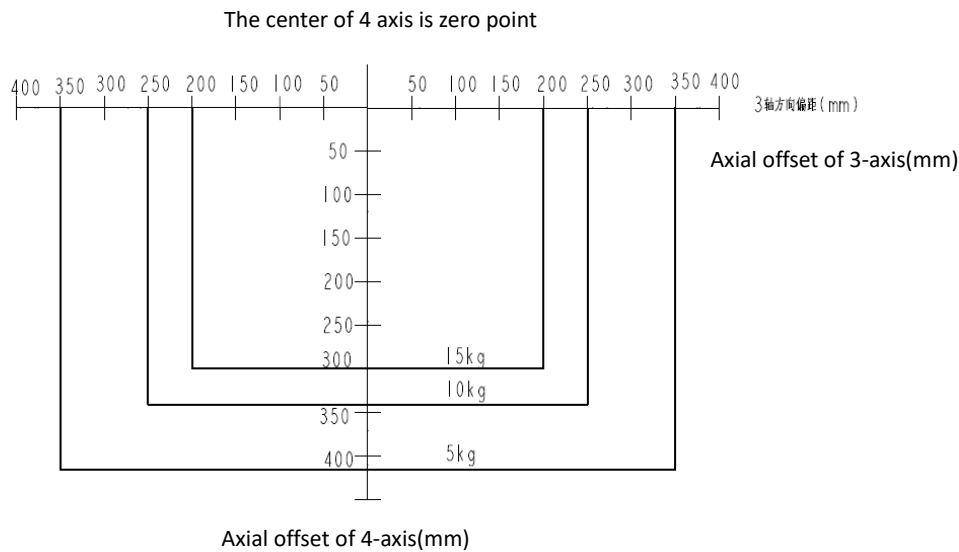
III. QJRB15-1 Robot tabanı montaj boyutu çizimi



IV. QJRB15-1 Robot ucunun montaj boyutu çizimi

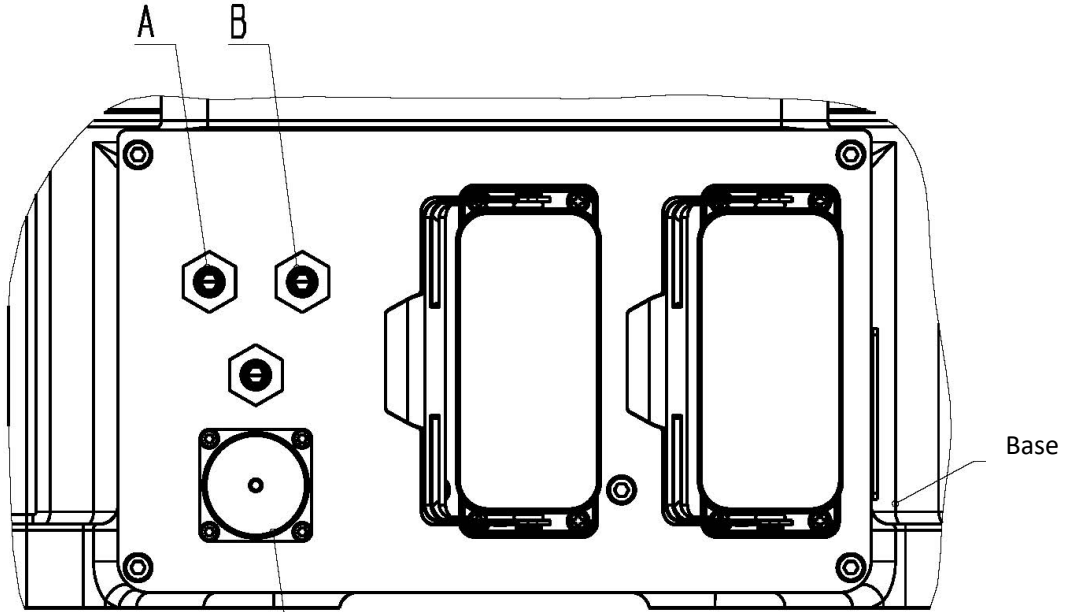
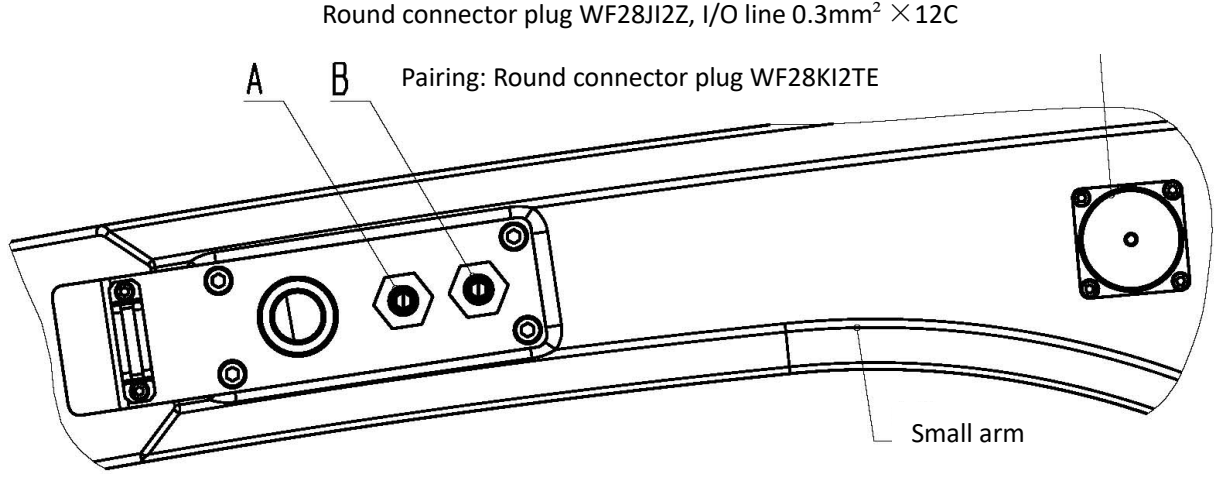


V. QJRB15-1 Yk kapasitesi diyagramı



VI. Robotun ayrılmış gaz yolunun ve G/Ç arayüzü konumunun şematik diyagramı

1. Koruma seviyesi IP30 durumu:



Round connector plug WF28JI2Z-3, I/O line: $0.3\text{mm}^2 \times 12\text{C}$

Pairing: Round connector plug WF28KI2TE-3,

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

(1.OAU is optional according to the need)

explain:

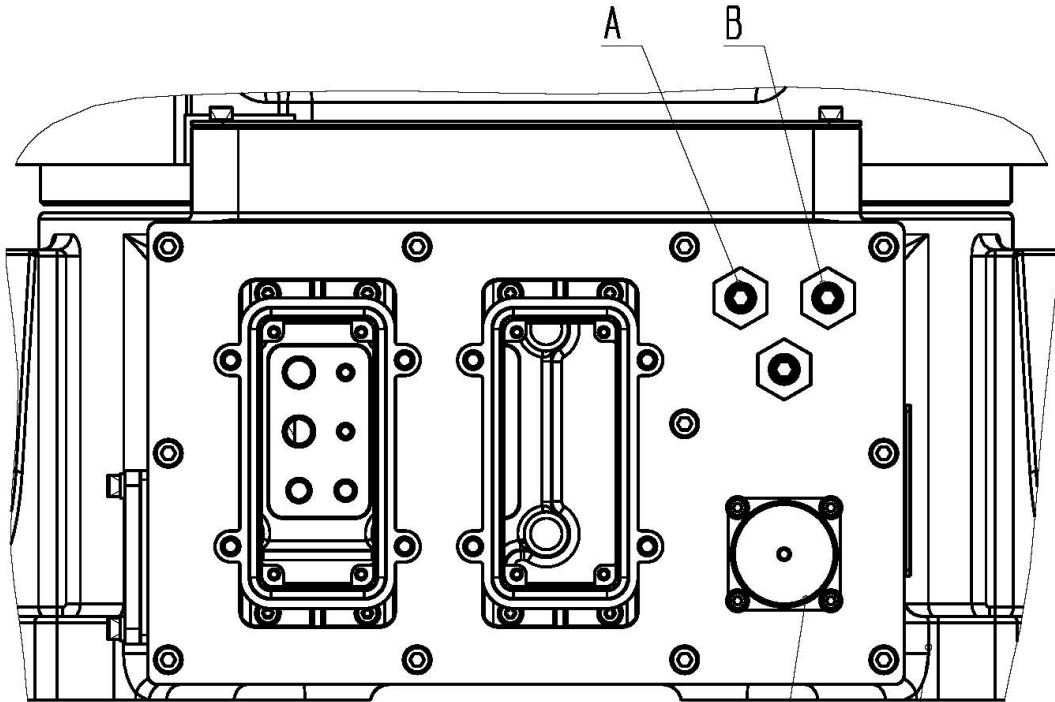
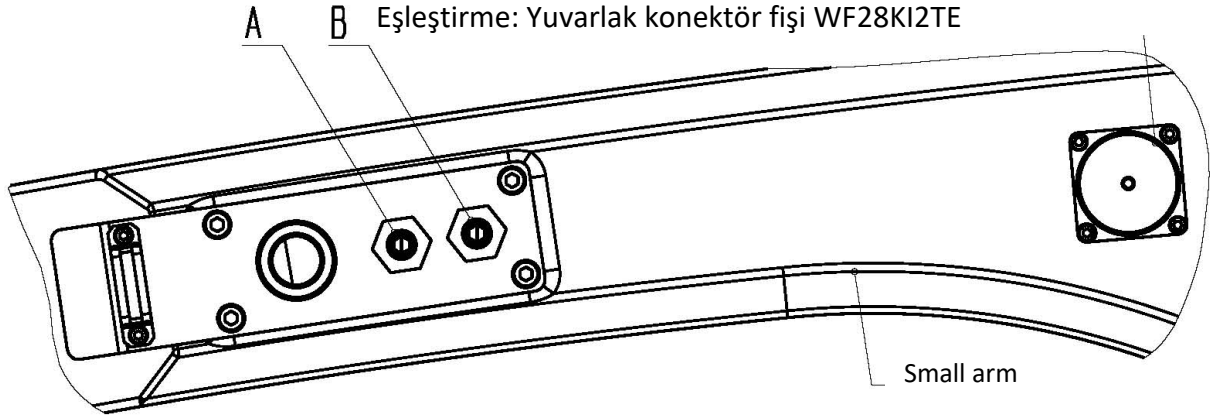
- 1、 Base A and B are air inlet, R1/8 screw thread, with cone plug, the external diameter is $\phi 8\text{mm}$
- 2、 Small arm A and B are air outlet, R1/8 screw thread, with cone plug, the external diameter is $\phi 8\text{mm}$
- 3、 Base and the small arm position circular connector plug are connected in the same position

2. Koruma seviyesi IP65 durumu:

Yuvarlak konektör fişi WF28JI2Z-3,

G/Ç hattı: $0.3\text{mm}^2 \times 12\text{C}$

Eşleştirme: Yuvarlak konektör fişi WF28KI2TE



Round connector plug WF28JI2Z-3, I/O line: $0.3\text{mm}^2 \times 12\text{C}$

Pairing: Round connector plug WF28KI2TE-3,

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

(1.OAU is optional according to the need)

explain:

4、Base A and B are air inlet, R1/8 screw thread, with cone plug, the external diameter is $\phi 8\text{mm}$

5、Small arm A and B are air outlet, R1/8 screw thread, with cone plug, the external diameter is $\phi 8\text{mm}$

6、Base and the small arm position circular connector plug are connected in the same position

VII. QJRB15-1 Robot ürünlerinin konfigürasyon tablosu

QJRB15-1 Configuration table of robot products	
Motor	TAMAGAWA/Gaohuachuangeke
RV Reducer	Nabtesco/Chinese reducer
Harmonic reducer	Shimpo
Controller	QJAR
Drive	Tsino dynatron

VIII. QJRB15-1 Denetleyici kabini

QJRB15-1 controller cabinet	
Control hardware	QJAR controller
Control cabinet software	QJAR pulse operation system
Power Supply	Single phase AC220V(+10%,-10%)
Rated power	4.2KW
Power capacity	2.7KVA
Size of control cabinet	580x600x960mm
Weight of control cabinet	100kg
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

QJRB15-1 controller cabinet	
Control hardware	QJAR controller
Control cabinet software	QJAR Bus operating system
Power Supply	Three phase four wire AC380V (+ 10%, - 10%)
Rated power	4.2KW
Power capacity	2.7KVA
Size of control cabinet	580x600x960mm
Weight of control cabinet	100kg
ambient temperature	0-45℃
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 15 input 21output

QJRB15-1 controller cabinet	
Control hardware	KEBA controller
Control cabinet software	KEBA system
Power Supply	Three phase four wire AC380V (+ 10%, - 10%)
Rated power	4.2KW
Power capacity	2.7KVA
Size of control cabinet	580x600x960mm
Weight of control cabinet	100kg
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 26 input 32 output