SYNTEC TECHNOLOGY CO.,LTD.

R-Series 25/35kg-1813mm Articulated Robot Arm

匯出日期：2024-11-21
修改日期：2024-07-03

25kg-1813mm 35kg-1813mm

Robot Standard Parameters

Part Number		**R41-LA1813-25-R**
Robot Picture		
No. Control Axes		6
Max Load Capacity		25
Maximum Reach (mm)		1813
Repeatability (mm)		±0.05
Motion Range (°)	J1 Axis (With Brake)	±180
	J2 Axis (With Brake)	+156/-99

Part Number		**R41-LA1813-25-R**
	J3 Axis (With Brake)	+75/-200
	J4 Axis (With Brake)	±180
	J5 Axis (With Brake)	±135
	J6 Axis (With Brake)	±360
Motor Output (kw)	J1 Axis	3
	J2 Axis	3
	J3 Axis	1.5
	J4 Axis	0.4
	J5 Axis	0.4
	J6 Axis	0.4
Max. Speed* (°/s)	J1 Axis	204
	J2 Axis	186
	J3 Axis	182
	J4 Axis	492
	J5 Axis	450
	J6 Axis	705
Weight (kg)		≈256

Part Number	**R41-LA1813-25-R**
Installation**	Floor Mounting, Ceiling Mounting, Inclined Mounting
Level of protection	IP65 (Wrist IP67)
Working Environment	1. Temperature： 0 ~ 45°C 2. Humidity: a. Generally 75%RH and below (Non-Condensed) b. Short Term 90%RH and below (Within One Month) 3. Vibration: 4.9m/s2 (0.5G) and below
Remarks	* Short-distance movements may not reach the maximum speed of each axis. ** For inverted and side mounting, please specify when ordering. 1. Controller: Syntec 2. Servo Drive: Tsino-Dynatron 3. Servo Motor: Servotronix 4. Gear Reducer: Chietom RV, TC Drive Harmonic Reducer
3D Model	LA1813-25&35_2404.STEP
Product Packaging Details	Robot: 256 KG Cabinet: 35 KG Wooden Crate: 64 KG Total: 355 KG Dimension: 1600mm×800mm×1645mm

Outer Dimension and Motion Range Unit:mm

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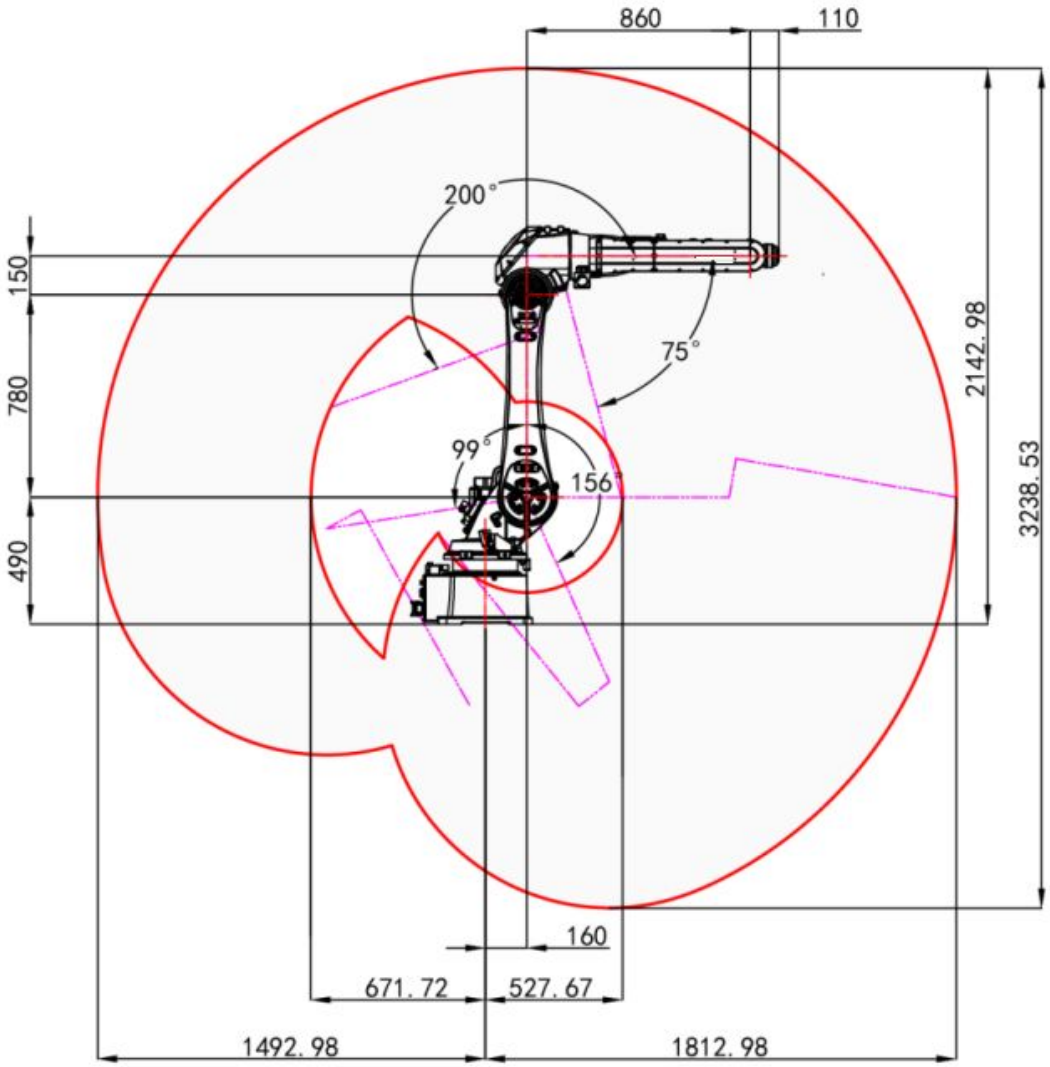
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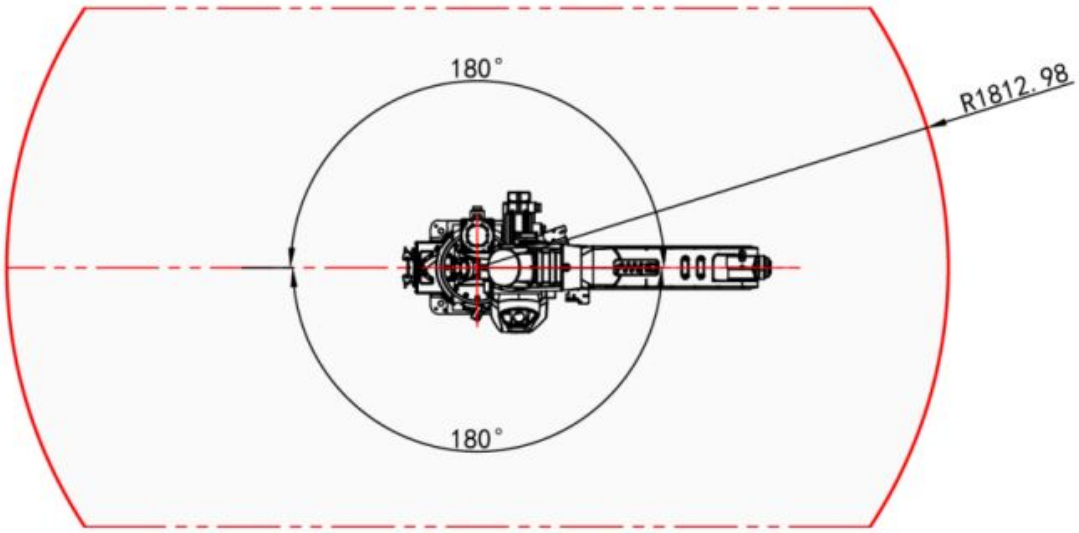
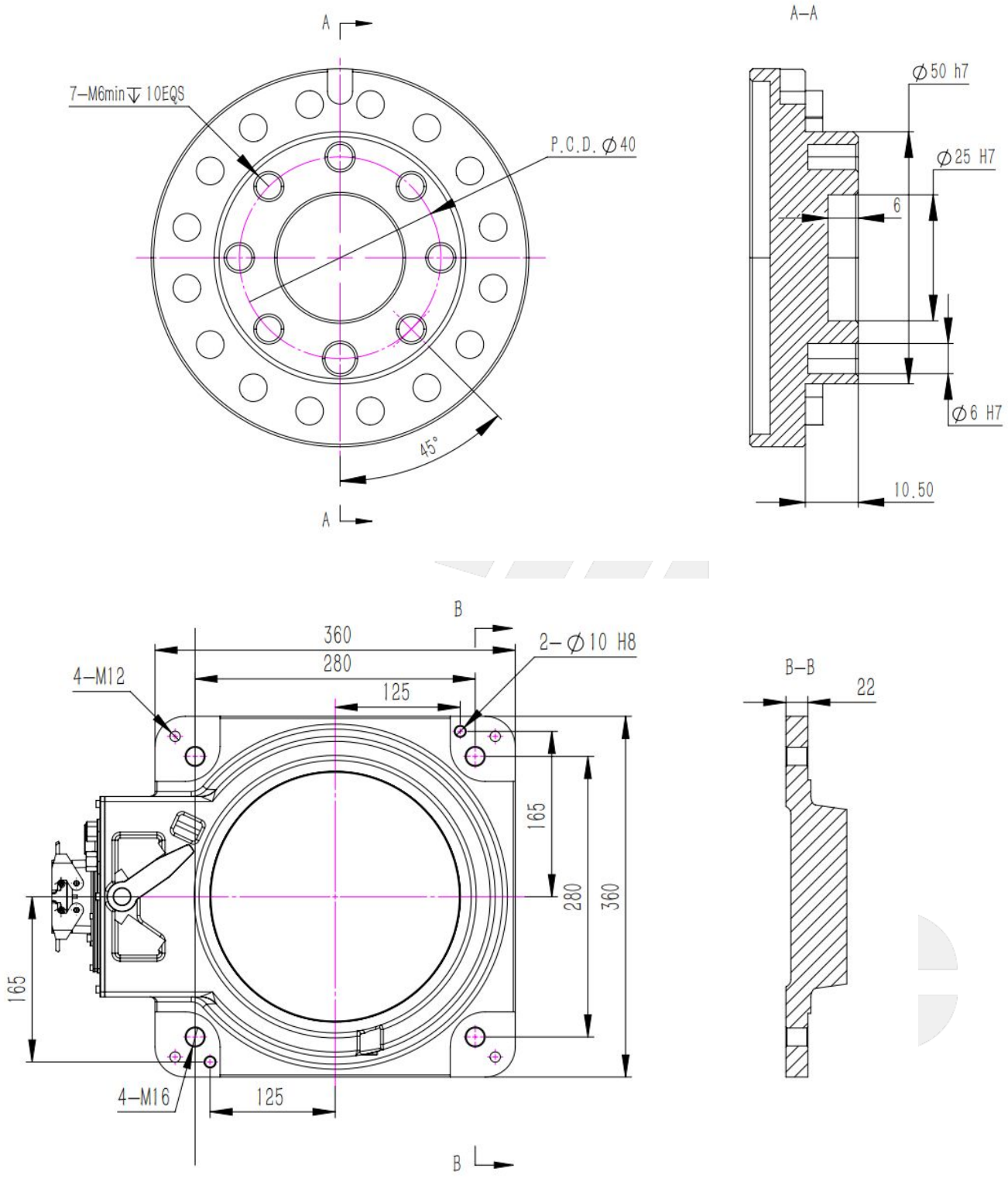
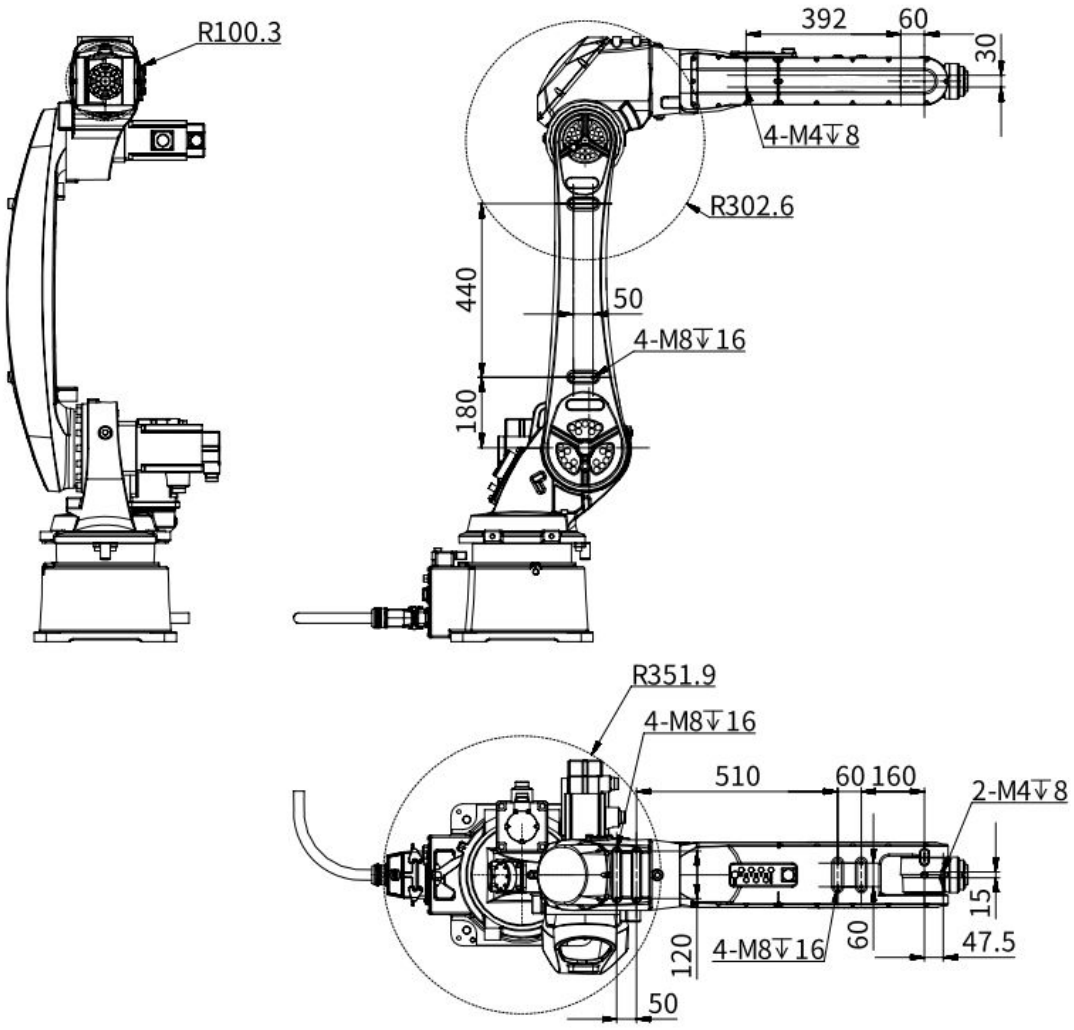
110
200°
150
780
490
75°
99°
156°
2142.98
3238.53
160
671.72
527.67
1492.98
1812.98


180°
R1812.98
180°


A
7–M6min↧10EQS
P.C.D.∅40
45°
A
A–A
∅50 h7
∅25 H7
6
∅6 H7
10.50
B
360
280
125
4–M12
2–∅10 H8
165
280
360
165
4–M16
125
B
B–B
22



25kg-1813mm 35kg-1813mm

Robot Standard Parameters

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Part Number		**R41-LA1813-35-R**
Robot Picture		
No. Control Axes		6
Max Load Capacity		35
Max. Reach (mm)		1813
Repeatability (mm)		±0.05
Motion Range (°)	J1 Axis (With Brake)	±180
	J2 Axis (With Brake)	+156/-99
	J3 Axis (With Brake)	+75/-200

Part Number		**R41-LA1813-35-R**
	J4 Axis (With Brake)	±180
	J5 Axis (With Brake)	±135
	J6 Axis (With Brake)	±360
Motor Output (kw)	J1 Axis	3
	J2 Axis	3
	J3 Axis	1.5
	J4 Axis	0.4
	J5 Axis	0.4
	J6 Axis	0.4
Max. Speed* (°/s)	J1 Axis	204
	J2 Axis	186
	J3 Axis	182
	J4 Axis	310
	J5 Axis	360
	J6 Axis	444
Weight (kg)		≈256
Installation**		Floor Mounting, Ceiling Mounting, Inclined Mounting
Level of protection		IP65 (Wrist IP67)

Part Number	**R41-LA1813-35-R**
Working Environment	1. Temperature： 0 ~ 45°C 2. Humidity: a. Generally 75%RH and below (Non-Condensed) b. Short Term 90%RH and below (Within One Month) 3. Vibration: 4.9m/s2 (0.5G) and below
Remarks	* Short-distance movements may not reach the maximum speed of each axis. ** For inverted and side mounting, please specify when ordering. 1. Controller: Syntec 2. Servo Drive: Tsino-Dynatron 3. Servo Motor: Servotronix 4. Gear Reducer: Chietom RV, TC Drive Harmonic Reducer
3D Model	LA1813-25&35_2404.STEP
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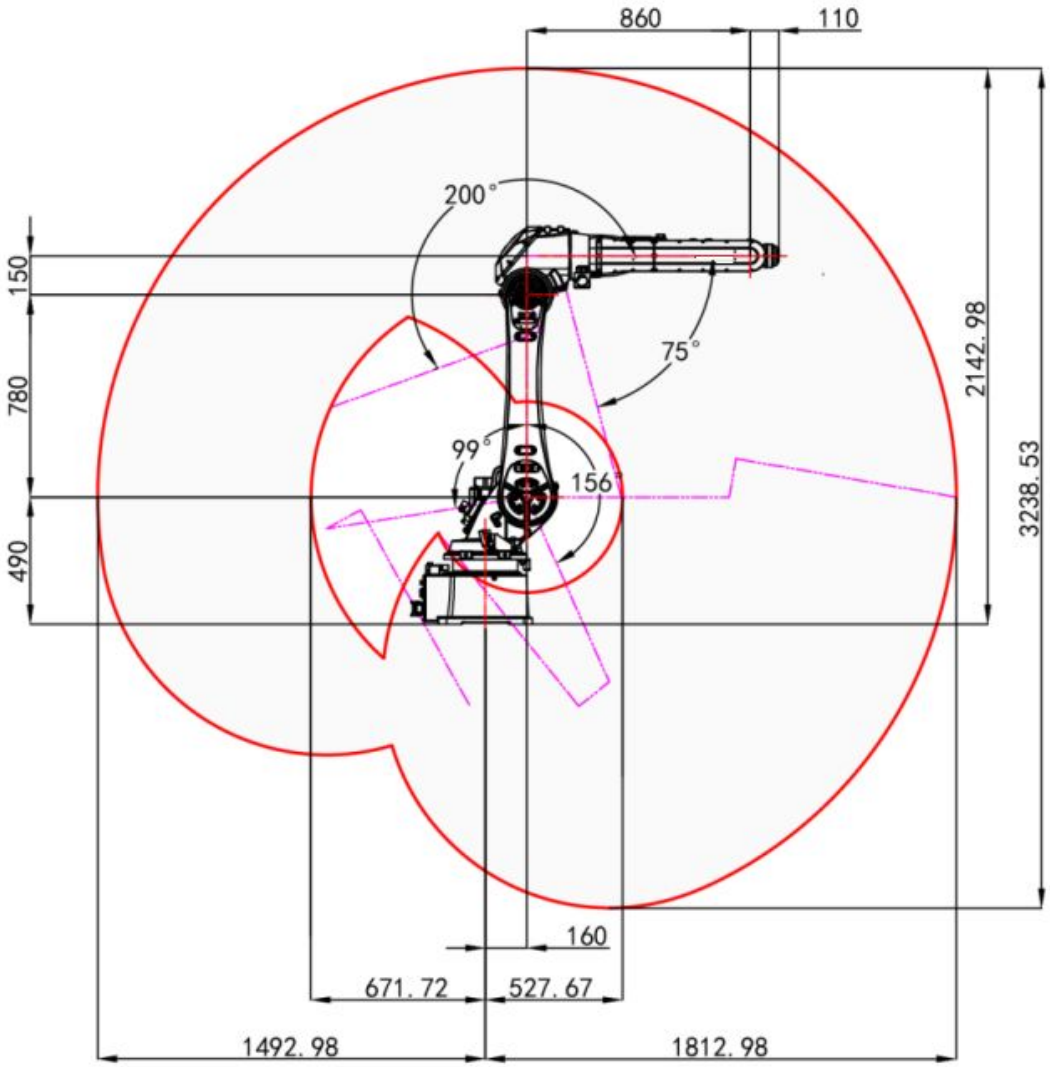
860
110
200°
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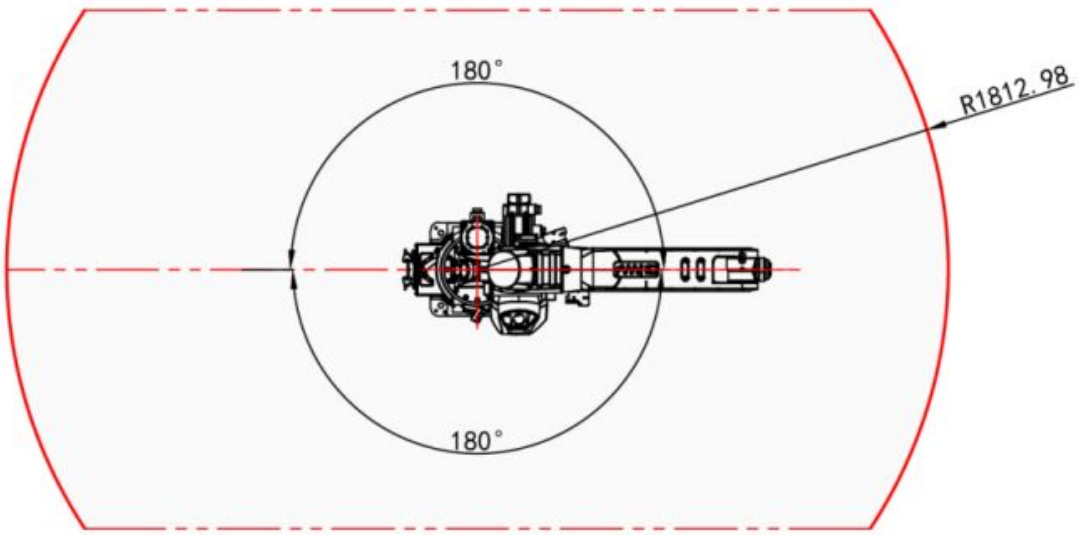
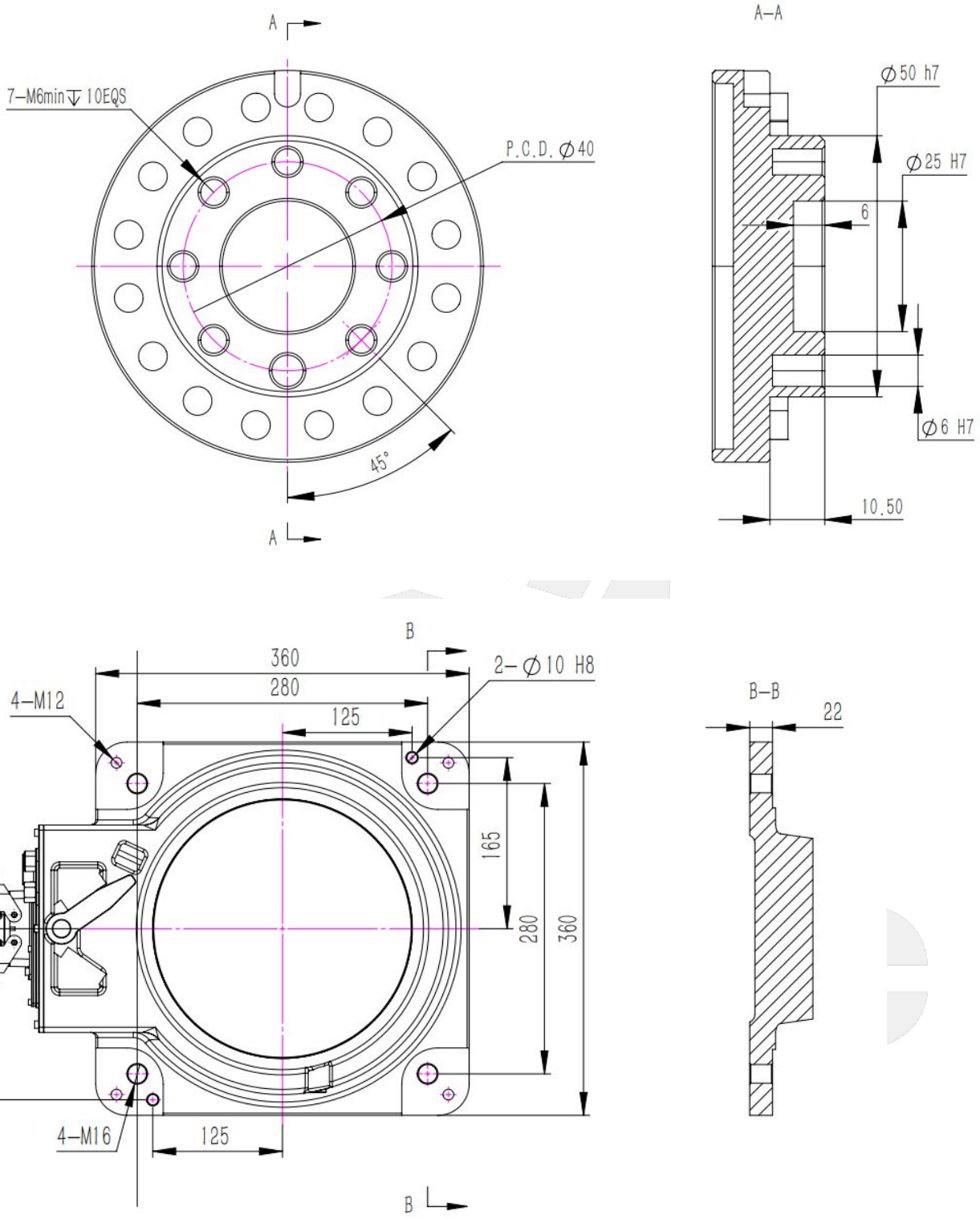

180°
R1812.98
180°


A
7–M6min↧10EQS
P.C.D. ∅40
45°
A
A–A
∅50 h7
∅25 H7
6
∅6 H7
10.50
B
360
280
125
2–∅10 H8
4–M12
165
280
360
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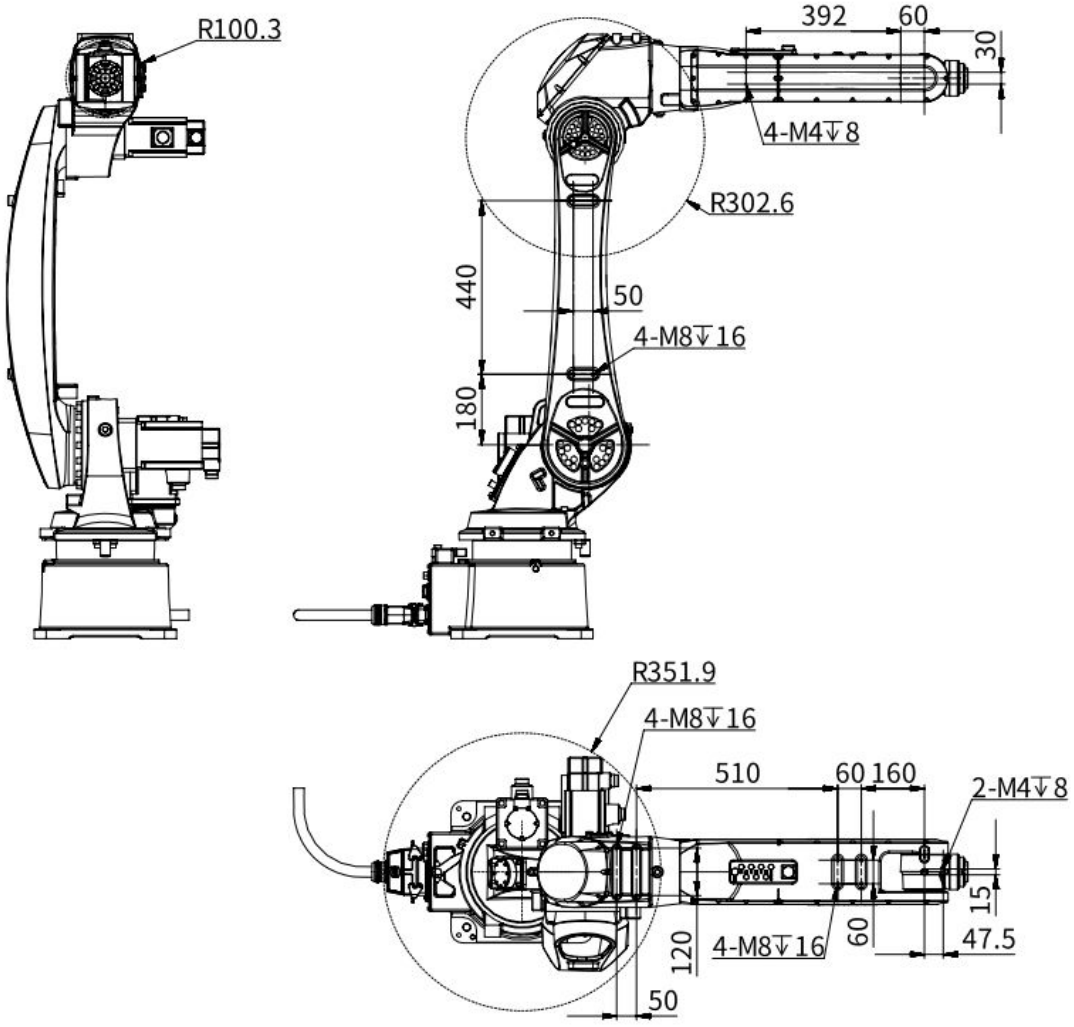
4–M16
125
B
B–B
22


R100.3
392
60
30
4-M4↧8
R302.6
440
50
4-M8↧16
180
R351.9
4-M8↧16
510
60
160
2-M4↧8
15
120
4-M8↧16
60
47.5
50

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