

## **Standard Specifications**

## RS005L-A

1st ed. 17-Nov-16 2nd ed. 12-Oct-20

> Kawasaki Heavy Industries, Ltd. Robot Business Division

Specification number: 90151-0186DEB

Materials and specifications are subject to change without notice.

## Robot specifications

T = === .					
	Articulated robot				
6 axes	6 axes				
5 kg					
903 mm					
±0.03 mm (v	vrist flang	e surface)	conforms to ISO	O 9283	
Operating axis		Motion range		Max. speed	
1				300 °/s	
Arm out-in	(JT2)	+135	°80°	300 °/s	
Arm up-dow	n (JT3)			300 °/s	
		±3	360 °	460 °/s	
Wrist bend	(JT5)	±1	45 °	460 °/s	
Wrist twist	(JT6)			740 °/s	
	3.6		37	C :	
YTD 4			_		
			$0.4 \text{ kg} \cdot \text{m}^2$		
			$0.4 \text{ kg} \cdot \text{m}^2$		
JT6	7.0	N•m	0.12 kg	g·m <sup>2</sup>	
JT	4/JT5/JT6 w	nen max. allowe	d torque is applied	to each axis. If more	
37 kg (without options)					
Floor or Ceiling mounting					
Ambient temperature: 0 - 45 °C					
Relative humidity: 35 - 85 %(with no dew condensation					
Munsell 10GY9/1 equivalent					
Wrist: IP67 equivalent, Arm: IP65 equivalent					
Pneumatic piping ( $\phi$ 6 × 2 lines )					
Mounting		Wall mounting			
Degree of protection		Arm: IP67 equivalent			
			12 circuits, wired inside robot arm		
Sensor harne	ess	12 circuits,	wirea inside rot	oot arm	
Sensor harne Solenoid val		Double sole	noid / Single so		
Solenoid val	ve	Double sole (3 units ma	noid / Single so ax.)	lenoid valves	
Solenoid val	ve equipment	Double sole (3 units ma Filter, Regu	noid / Single so ax.) lator, Mist sepa	lenoid valves	
Solenoid val  Air cleaning  Mechanical	ve equipment	Double sole (3 units ma	noid / Single so ax.) lator, Mist sepa	lenoid valves	
Air cleaning Mechanical Color	ve equipment stopper	Double sole (3 units ma Filter, Regu Adjustable s	noid / Single so ax.) lator, Mist sepa stopper JT1	lenoid valves	
Solenoid val  Air cleaning  Mechanical  Color  Installation s	ve equipment stopper	Double sole (3 units ma Filter, Regu Adjustable s	noid / Single so ax.) lator, Mist sepa stopper JT1 0 mm height	lenoid valves	
Air cleaning Mechanical Color	ve equipment stopper	Double sole (3 units ma Filter, Regu Adjustable s	noid / Single so ax.) lator, Mist sepa stopper JT1 0 mm height	lenoid valves	
	6 axes 5 kg 903 mm ±0.03 mm (v Operation Arm rotation Arm out-in Arm up-dow Wrist swive! Wrist bend Wrist twist  JT4 JT5 JT6 Note* Ea JT det 37 kg (without Floor or Cei Ambient ten Relative hum Munsell 100 Wrist: IP67 Pneumatic p Mounting	Articulated robot  6 axes  5 kg  903 mm  ±0.03 mm (wrist flange)  Operating axis  Arm rotation (JT1)  Arm out-in (JT2)  Arm up-down (JT3)  Wrist swivel (JT4)  Wrist bend (JT5)  Wrist twist (JT6)   Max.:  JT4 12.3  JT5 12.3  JT6 7.01  Note* Each value in the JT4/JT5/JT6 when detailed data is  37 kg (without options)  Floor or Ceiling mount  Ambient temperature:  Relative humidity:  Munsell 10GY9/1 equivalent  Pneumatic piping (\$6 > Mounting)	Articulated robot 6 axes 5 kg 903 mm ±0.03 mm (wrist flange surface)  Operating axis Motic Arm rotation (JT1) ±1 Arm out-in (JT2) +135° Arm up-down (JT3) +118° Wrist swivel (JT4) ±3 Wrist bend (JT5) ±1 Wrist twist (JT6) ±3  Max. torque JT4 12.3 N·m JT5 12.3 N·m JT6 7.0 N·m  Note* Each value in this table shows a JT4/JT5/JT6 when max. allowed detailed data is required for your 37 kg (without options) Floor or Ceiling mounting Ambient temperature: 0 - 45 Relative humidity: 35 - 85 Munsell 10GY9/1 equivalent Wrist: IP67 equivalent, Arm: IP65 e Pneumatic piping (\$\phi \times 2\$ lines ) Mounting Wall mounts	Articulated robot 6 axes 5 kg 903 mm ±0.03 mm (wrist flange surface) conforms to ISO  Operating axis Motion range Arm rotation (JT1) ±180° Arm out-in (JT2) +135°80° Arm up-down (JT3) +118°172° Wrist swivel (JT4) ±360° Wrist bend (JT5) ±145° Wrist twist (JT6) ±360°   Max. torque Moment of the state o	

Consult Kawasaki about maintenance parts and spare parts.

