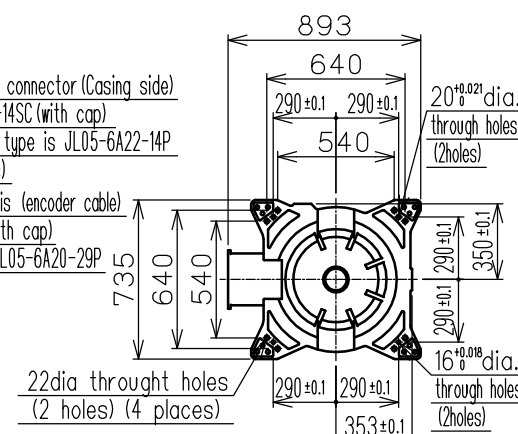


Item	Model	MOTOMAN-GP120RL
Configuration	Vertically articulated	
Degree of Freedom	6	
Payload	Wrist	120 kg
	On U-arm	30 kg
Repeatability (※1)	±0.2 mm	
Range of Motion	S-Axis(Turning)	-180° - +180°
	L-Axis(Lower Arm)	-130° - +80°
	U-Axis(Upper Arm)	-78.4° - +90°
	R-Axis(Roll)	-360° - +360°
	B-Axis(Pitch/Yaw)	-130° - +130°
	T-Axis(Twist)	-360° - +360°
Max Speed	S-Axis	1.57rad/s,90°/s
	L-Axis	1.48rad/s,85°/s
	U-Axis	1.48rad/s,85°/s
	R-Axis	3.05 rad/s,175°/s
	B-Axis	2.62 rad/s,150°/s
	T-Axis	4.19 rad/s,240°/s
Allowable Moment	R-Axis	833 N・m (85 kgf・m)
	B-Axis	833 N・m (85 kgf・m)
	T-Axis	490 N・m (50 kgf・m)
Allowable Inertia (GD ² /4)	R-Axis	75 kg・m ²
	B-Axis	75 kg・m ²
	T-Axis	25 kg・m ²
Approx.Robot mass	1830 kg	
Protected structure	Body:IP54 Wrist:IP67	
Mounting method	Shelf-mounted	
Ambient Conditions	Temperature	0 to +45℃
	Humidity	20 to 80%RH (Non-condensing)
	Vibration	4.9m/s ² (0.5G) or less
	Altitude	1000m or less
	Others	<ul style="list-style-type: none"> •Free from explosive and corrosive gas or liquid •Free from dust,soot,oil,or water. •Free from excessive electrical noise (plasma). •Free from strong magnetic field.
Power Requirements	5.0KVA	
Controller	YRC1000	

es) *2 The manipulator is in the home position.

Units : mm



View A

Type	Note
YR-1-06VRL120-A00	STANDARD