



Item		Model	MOTOMAN-AR1730
Configuration		Articulated Robot	
Degree of Freedom		6	
Payload	Wrist	25kg	
	On U-arm(※1)	12kg	
Repeatability(※2)		±0.06mm	
Range of Motion	S-Axis	-180° ~ +180°	
	L-Axis	-105° ~ +155°	
	U-Axis	-86° ~ +160°	
	R-Axis	-200° ~ +200°	
	B-Axis	-150° ~ +150°	
	T-Axis	-455° ~ +455°	
Max Speed	S-Axis	3.67rad/s, 210° /s	
	L-Axis	3.67rad/s, 210° /s	
	U-Axis	4.63rad/s, 265° /s	
	R-Axis	7.33rad/s, 420° /s	
	B-Axis	7.33rad/s, 420° /s	
	T-Axis	15.44rad/s, 885° /s	
Allowable Moment	R-Axis	52N・m (5.3kgf・m)	
	B-Axis	52N・m (5.3kgf・m)	
	T-Axis	32N・m (3.3kgf・m)	
Allowable Inertia (GD <sup>2</sup> /4)	R-Axis	2.3kg・m <sup>2</sup>	
	B-Axis	2.3kg・m <sup>2</sup>	
	T-Axis	1.2kg・m <sup>2</sup>	
Approx. Robot mass		250kg	
Protected structure		Body: IP54 Wrist: IP67	
Mounting method(※3)		Floor-mounted, Wall-mounted, Tilt-mounted, Ceiling-mounted	
Ambient Conditions	Temperature	0~45℃	
	Humidity	20~80%RH (Non-condensing)	
	Vibration	4.9m/s <sup>2</sup> (0.5G) or less	
	Altitude	1000m or less	
	Others	・Free from explosive or corrosive gas and liquid. ・Free from dust, soot, oil, or water. ・Free from electrical noise. ・Free from strong magnetic fields.	
Power Requirements		2.0KVA	
Controller		YRC1000	

Notes: ※1 Load on the U-arm will vary depending on the load weight of the wrist part.  
※2 Repeatability is conformed to ISO 9283.  
※3 When the manipulator is installed on a slope or a wall, the motion of S-axis will be limited.  
※4 The manipulator is in the home position. Units: mm