

Note. Thanks to the higher control rate of the YAC100 controller and vibration-damping control of the arm, we have reduced the residual vibration when the arm stops moving, while shortening the cycle time and achieving the fastest speed in this class. Note. Longest reach in a respective class (706 mm)

Note. Floor-mounted, wall-mounted, and ceiling-mounted types are available. Please contact us separately regarding wall-mounted or ceiling-mounted installations. Note. This unit can also be used in combination with a travel axis or other external axis. Please contact us.

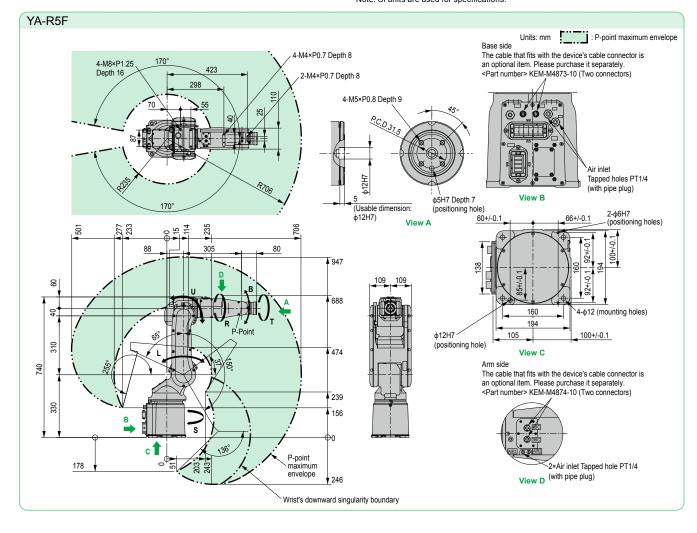
Controlled Axis Payload Repeatability		6		R-axis (wrist roll)	
		5 kg +/-0.02 mm	Allowable Moment	B-axis (wrist pich/yaw)	
				T-axis (wrist twist)	
Range of Motion	S-axis (turning)	-170° to +170° Note 1		R-axis (wrist roll)	
	L-axis (lower Arm)	-65° to +150°		B-axis (wrist pich/yaw)	
	U-axis (upper arm)	-136° to +255°		T-axis (wrist twist)	
	R-axis (wrist roll)	-190° to +190°	Mass	Mass	
	B-axis (wrist pich/yaw)	-135° to +135°		Temperature	
	T-axis (wrist twist)	-360° to +360°		Humidity	
Maximum Speed	S-axis (turning)	6.56 rad/s, 376°/s	Ambient	Vibration	
	L-axis (lower Arm)	6.11 rad/s, 350°/s	Conditions		۰Fr
	U-axis (upper arm)	6.98 rad/s, 400°/s		Others	• Fr
	R-axis (wrist roll)	7.85 rad/s, 450°/s			•Fr
	B-axis (wrist pich/yaw)	7.85 rad/s, 450°/s	Power Requirements Note 2		
	T-axis (wrist twist)	12.57 rad/s, 720°/s	Note 1. For wall-mounted installation, the S-		<u> </u>

Allowable Moment	B-axis (wrist pich/yaw)	12 N·m
	T-axis (wrist twist)	7 N∙m
Allowable	R-axis (wrist roll)	0.3 kg·m ²
Inertia	B-axis (wrist pich/yaw)	0.3 kg·m ²
(GD ² /4)	T-axis (wrist twist)	0.1 kg·m ²
Mass		27 kg
	Temperature	0 to +45°C
	Humidity	20 to 80%RH (non-condensing)
Ambient	Vibration	4.9 m/s ² or less
Conditions	Others	Free from corrosive gasses or liquids, or explosive gasses Free from exposure to water, oil, or dust Free from excessive electrical noise (plasma)
Power Requirements ^{Note 2}		1.0 kVA

12 N·m

Note 1. For wall-mounted installation, the S-axis operating range is +/-30°. Note 2. Varies in accordance with applications and motion patterns. Note. SI units are used for specifications.

PB: PROFIBUS EP: EtherNet/IP[™] PM: Profinet master PT: Profinet slave ES: EtherCAT slave



Controller

YAC100 ► 157

