

HA₀₀₆

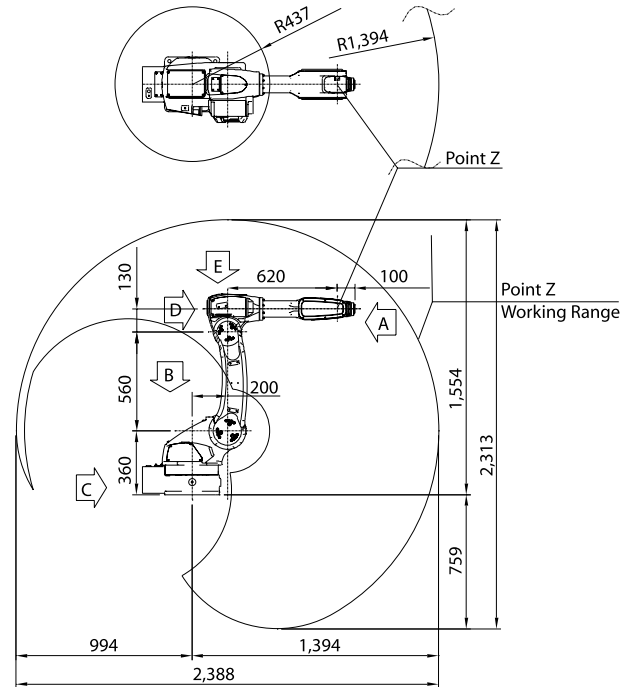


HA006

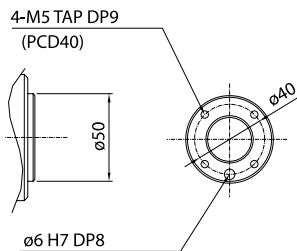
Manipulator Specifications

Item		Specification
Model		HA006
Payload		6Kg
Mechanical Structure		Articulated
Max. Reach		1,394mm
Degree of freedom		6
Installation		Floor/Wall/Ceiling
Max. Working Envelope	Arm	S Swivel $\pm 180^\circ$
		H For/Backward $+150^\circ \sim -90^\circ$
		V Up/Downward $+200^\circ \sim -160^\circ$
	Wrist	R2 Rotation 2 $\pm 180^\circ$
		B Bending $\pm 135^\circ$
Max. Speed	Arm	S Swivel 170°/s
		H For/Backward 170°/s
		V Up/Downward 170°/s
	Wrist	R2 Rotation2 335°/s
		R1 Rotation 1 500°/s
Wrist Torque	R2 Rotation 2 1.0Kgf·m	
	B Bending 1.0Kgf·m	
	R1 Rotation 1 0.5Kgf·m	
Accuracy of position repeatability		$\pm 0.05\text{mm}$
Ambient Temperature		0 ~ 45°C (273~318K)
Relative Humidity		20 ~ 85%RH
Robot's Weight		155Kg
Working Envelope Section Area		2.71m ²

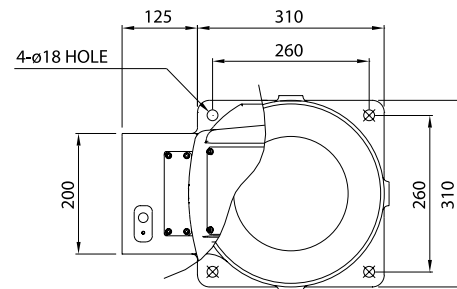
Working Envelope



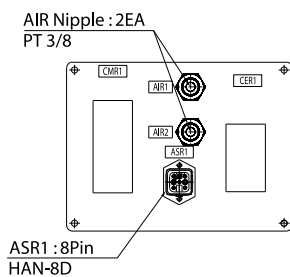
View "A" For Tool Attachment



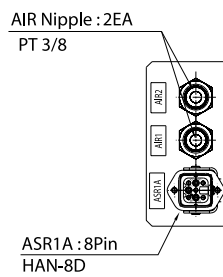
View "B" For Installation



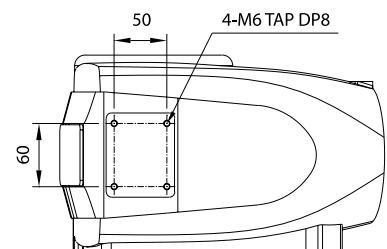
View "C" For User Application



View "D" For User Application (Option)



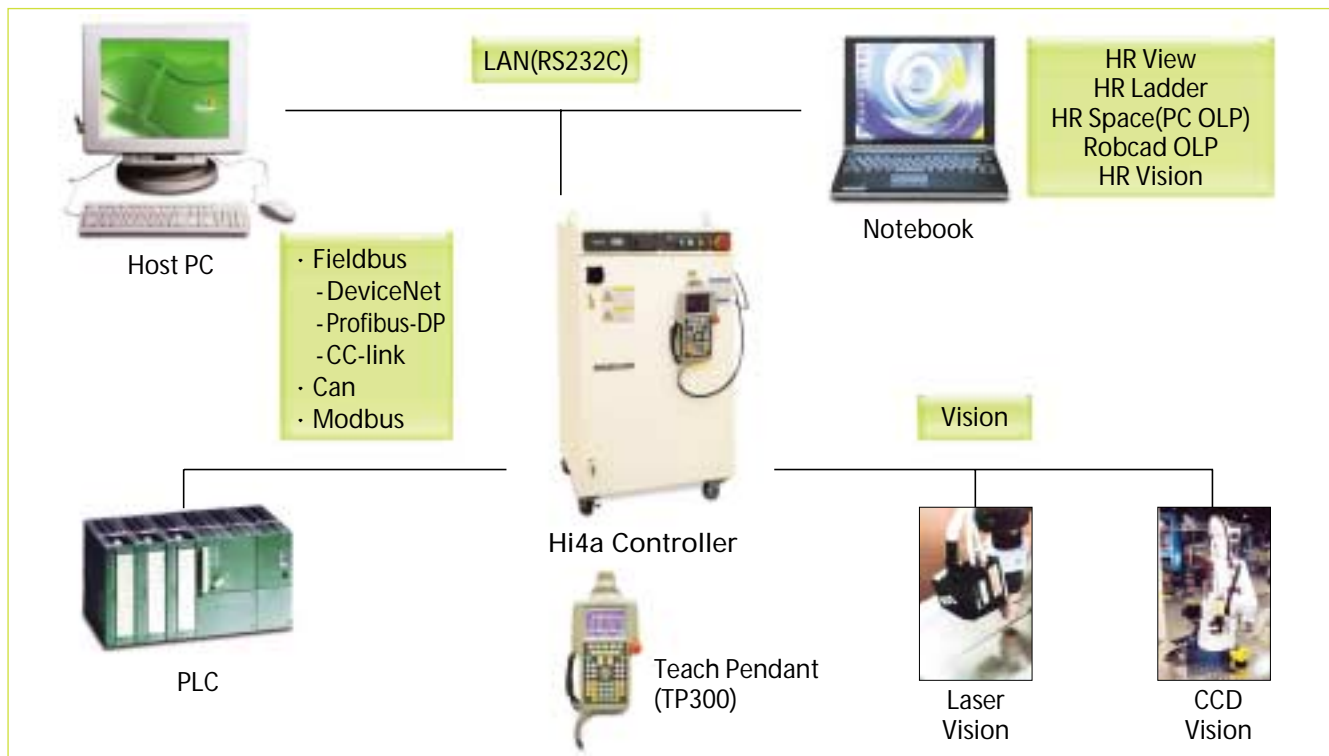
View "E" For Cable Guide



■ Controller Specifications

Item	Specification
Type	Hi4a
Microprocessor Technology	32 bits RISC CPU
Program Execution Mode	Teaching & Playback
Operation Mode	Menu-Driven & Code input
Interpolation Type	Linear, Circular
Memory Back-up Type	Battery back-up IC memory
Encoder Type	Serial Absolute encoder
Servo Drive Unit	6 Axes/unit, digital servo
Maximum Axes	12 Axes Max. Simultaneously
Step	10,000 Points
Program Selection	255(Binary)/8(Discrete)
Teach Pendant Display Spec.	LCD(40X15), Backlight 57,600 baud rates, 3 Position Enable Switch
Digital I/O	Input : 32 points (160 points Max.) Output : 32 points (160Points Max.)
Analog I/O	Input : 4 Points (Option) Output : 4 Points (Option)
Conveyor Pulse Counter	Line Driver / Voltage Output (Option)
Serial Port	RS232C : 2 Ports (1Port : Option)
Communication Function (Option)	DeviceNet, Profibus-DP, Ethernet, CC-Link
PC Card Function	PCMCIA (IC card : Option)
Rated (Supply) Voltage	3-phase 220V (50/60Hz)±10%
Max. Rated Power	5.5KVA
Dimension (WxHxD)	675mm x 1,190mm x 675mm
Weight (Without Transformer)	205Kg
Protection Classification	IP54
Ambient Temperature	0~45℃
Ambient Humidity	Normal 75%

- Easy and Simple Operation
- Powerful Robot Language
- Easy Maintenance
 - Displaying cause of errors and troubleshooting
- Safety
- Compatibility and Connectivity
 - Embedded PLC
 - FieldBus : DeviceNet, Profibus-DP, CC-link
 - Easy I/O board expansion :
Connecting I/O master through Computer
- Compact Size Controller
 - Default space for 2 additional axis amp





Key Features

- Enlargement of working envelope by serial link structure
- Improvement of dynamic performance



Application

- Arc welding
- Sealing
- Cutting
- Assembly



■ Certificate (UL, CSA, CE, ISO, QS) ■



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