

YASKAWA

MOTOMAN MH6F

Handling & General Applications with the MH-series

The MOTOMAN MH6F is a compact and powerful 6-axis robot with high performance in a variety of applications such as machine tending, material handling and processing, where versatility is required.

Its slim and lightweight design enables it to be positioned close to the workpiece to improve part accessibility. With increased speed of the robot axes, cycle times can be reduced up to 15% for increased productivity.

This robot is driven by the MOTOMAN FS100 compact controller.

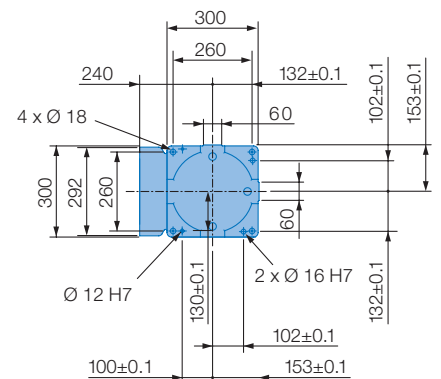
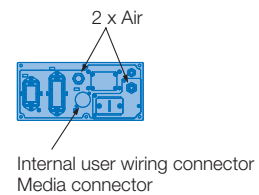
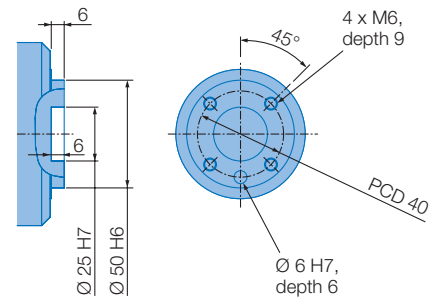


KEY BENEFITS

- Compact and powerful
- Cycle time reduction with up to 15 %
- Ideal for a variety of applications, multi-purpose robot
- Wide working envelope
- 6 kg payload

Controlled by
FS100

MOTOMAN MH6F



All dimensions in mm | Technical data may be subject to change
without previous notice | Please request detailed drawings at
robotics@yaskawa.eu.com –
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Figure 10 is a graph titled "X Direction Restriction". The Y-axis is labeled "Weight W2 (kg)" and ranges from 0 to 20. The X-axis is labeled "Distance from Centre of U-axis Rotation and Load Gravity (mm)" and ranges from -200 to 400. The graph is divided into three regions by two curves. The top region is labeled "W1=0 kg". The middle region is labeled "W1=6 kg". The bottom region is labeled "W1=3 kg" and is shaded blue. The curves start at approximately (-200, 9) and end at approximately (400, 10). The W1=6 kg curve is a horizontal line at W2=6 kg. The W1=3 kg curve is a horizontal line at W2=3 kg.

Axes	Specifications MH6F					
	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]	Controlled axes	6
					Max. payload [kg]	6
S	±170	220	–	–	Repeat. pos. accuracy [mm]	±0.08
L	+155/–90	200	–	–	Max. working range R [mm]	1422
U	+250/–175	220	–	–	Temperature [°C]	0 to +45
R	±180	410	11.8	0.27	Humidity [%]	20 – 80
B	+225/–45	410	9.8	0.27	Weight [kg]	130
T	±360	610	5.9	0.06	Power supply, average [KVA]	1.5

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