COMPACT AND VERSATILE ROBOT

YASKAWA



MH5S II MH5LS II

KEY BENEFITS

Compact and powerful design

Applicable to various industry environments

Highly reliable

Unlimited application possibilities

SPECIFICATIONS

5 kg Payload

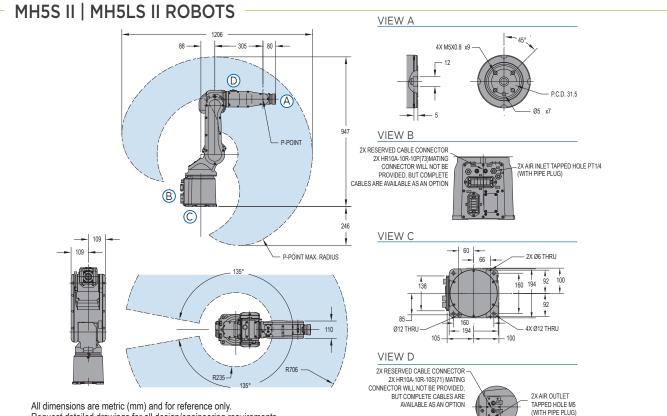
Repeatability: MH5S II: ±0.02 mm MH5LS II: ±0.03 mm

Maximum Reach: MH5S II: 706 mm MH5LS II: 895 mm



- Compact, six-axis robots with 5 kg payload capacity and high axial speeds.
- The MH5S II features a horizontal reach of 706 mm and vertical reach of 1,193 mm; it offers the widest work envelope in its class.
- The MH5LS II features a horizontal reach of 895 mm and vertical reach of 1,560 mm due to its extended lower and upper arm.
- Lightweight and compact base design is ideal for tabletop-, ceilingor wall-mount installations*, saving valuable floor space.
- Slim upper arm design reduces potential interferences. Shortened distance between the B-axis and T-axis enhances carrying capacity with high moments of inertia.

- Internally routed airlines and electrical wires eliminate cable interference, enhance cable life and improve reliability.
- Auxiliary equipment, such as valve packs, can be mounted on upper arm to simplify design and maintain optimal tool performance.
- The MH5S II and MH5LS II robots are applicable to a wide range of tasks from small parts assembly and machine tending, to high-speed case packing and arc welding.
- Available with several robot controllers tailored to specific application and plant skill set.



Request detailed drawings for all design/engineering requirements.

SPECIFICATIONS: MH5S II | MH5LS II

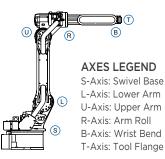
Axes	Maximum motion range [°]		Maximum speed [°/sec.]		Allowable moment [N•m]	Allowable moment of inertia		MH5S II	MH5LS II
							Controlled axes	6	6
							Maximum payload [kg]	5	5
	MH5S II	MH5LS II	MH5S II	MH5LS II		[kg•m²]	Repeatability [mm]	±0.02	±0.03
S	±170	±170	376	270	-	-	Horizontal reach [mm]	706	895
							Vertical reach [mm]	1,193	1,560
L	-65/+150	-65/+150	350	280	-	-	Protection (IP rating) Standard	IP30	IP30
	170/055	170 / 055					Weight [kg]	27	29
U	-136/+255	-138/+255	400	300	-	-	Power requirements DX200 / MLX300	3-phase; 240/480/575 VAC	3-phase; 240/480/575 VAC
R	±190	±190	450	450	12	0.3		at 50/60 Hz	at 50/60 Hz
_							FS100	1- or 3-phase; 200/230 VAC at 50/60 Hz	1- or 3-phase; 200/230 VAC at 50/60 Hz
В	±135	±135	450	450	12	0.3	MLX200	3-phase; 200/230 VAC at 50/60 Hz	3-phase; 200/230 VAC at 50/60 Hz
Т	±360	±360	720	720	7	0.1	Power rating [kVA]	1	1
* The MLX300 software option is not available for use with arc or spot welding, coating, MLX-controlled robots are tested for floor mounting.									

The MLX300 software option is not available for use with arc or spot welding, coating, dispensing, cutting or other "path control" applications.

MLX300 fieldbus cards, I/O cards and vision equipment must be purchased separately from the supplier. All peripherals are programmed using a PLC.

OPTIONS

Extended length manipulator cables Robot risers and base plates External axis kits Wide variety of fieldbus cards Vision systems Robot base and upper arm I/O cables Blue robots



Yaskawa America, Inc. **Motoman Robotics Division**

Contact Yaskawa Motoman regarding different mounting requirements.

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