

MH900

LARGE REACH, HEAVY PAYLOAD CAPACITY

KEY BENEFITS

Heavy-duty, high-performance robot for high payload handling tasks

Wide work envelope, and high moment and inertia ratings

Enhanced safety with control reliable software for guarding (FSU)

Powerful DX200 controller offers proven ease of programming

SPECIFICATIONS

900 kg payload

4,683 mm horizontal reach

6,209 mm vertical reach

±0.5 mm repeatability

APPLICATION

Material Handling

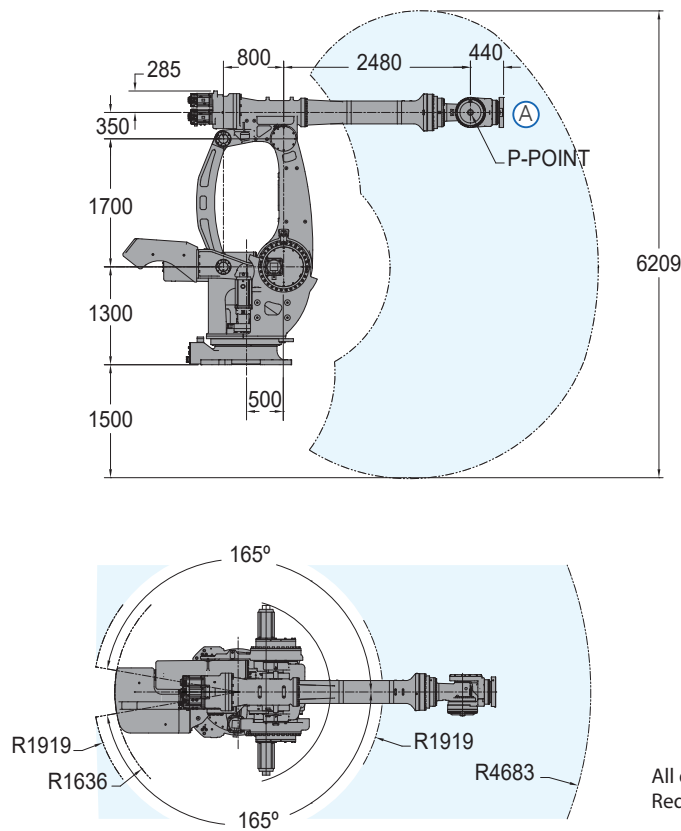
CONTROLLER

DX200

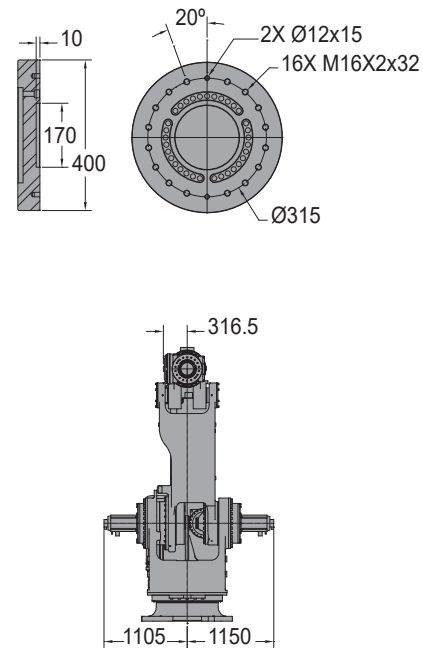


- Heavy-duty robot design provides superior performance in machine tending and part transfer applications. Particularly suited for handling castings and large weldments.
- Large work envelope, and high moment and inertia ratings accommodate handling of a wide range of large, heavy parts.
- Ideal for car frames, sheet metal, agricultural equipment, pallet-loads of bricks and other hefty materials.
- Suitable for “jigless” applications where robot positions part for processing by other robots or two robots handle a single part.
- Full six-axis capability with parallel-link construction for strength, rigidity and stabilization of high moment/inertia loads. Heavy-duty bearings provide smooth arm rotation.
- Used for loading and unloading of parts, these robots can help eliminate inconsistencies and improve reliability.
- Efficient use of available power during motion conserves energy.
- Cables and air lines are routed through robot base to upper arm to increase cable life, enhance safety and reduce teaching time.
- Cable installation tube in the base and major axes of the robot facilitates fieldbus routing to the robot upper arm and/or gripper.
- The MH900 has an IP67-rated wrist and an IP30 body standard.
- Powered by Yaskawa’s DX200 controller that is compliant to ANSI/RIA R15.06-2012 and other relevant ISO and CSA standards.

MH900 ROBOT



VIEW A



All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

SPECIFICATIONS

Axes	Maximum motion range	Maximum speed	Allowable moment	Allowable moment of inertia
	degrees	°/sec	N·m	kg·m ²
S	±165	45	-	-
L	+100/-60	30	-	-
U	+35/-130	30	-	-
R	±360	36	14,700	3,000
B	±120	37	14,700	3,000
T	±360	70	4,900	2,200

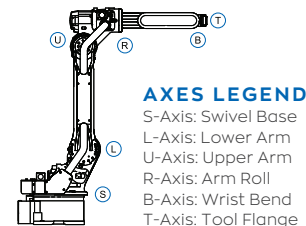
Mounting Options: Floor

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

Item	Unit	MH900
Controlled axes		6
Maximum payload	kg	900
Repeatability	mm	±0.5
Horizontal reach	mm	4,683
Vertical reach	mm	6,209
Weight	kg	10,000
Internal user I/O cable		23 conductors
Internal user air line		(1) 3/8" connection
Power requirements		3-phase; 208 VAC at 50/60 Hz
Power rating	kVA	35

OPTIONS

- Extended length manipulator cables
- Robot risers
- Wide variety of fieldbus cards
- PLC integration via MLX300 software option*
- Robot base and upper arm I/O cables
- Endless T-axis rotation



YASKAWA

YASKAWA AMERICA, INC. 100 Automation Way | Miamisburg, OH 45342
937.847.6200 | motoman.com

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