

KEY BENEFITS

Thru-hole wrist design maximizes equipment uptime

Powerful wrist allows use with heavier and larger tools and parts

High speed increases production capability

Unique design maximizes reach and access while avoiding interferences

SPECIFICATIONS

24 kg payload 1,730 mm horizontal reach 3,089 mm vertical reach ±0.06 mm repeatability

CONTROLLERS







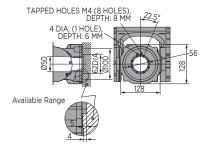
DX200 MLX200 MLX300*

- Powerful high-speed six axis robot is ideal for many applications and processes.
- Increased 24 kg payload, as well as increased moment and inertia ratings over previous models, allow larger and heavier loads to be carried by the robot.
- Improved horizontal (1,730 mm) and vertical (3,089 mm) reach allows wider range of applications. The large work envelope extends behind the robot, allowing space for robot tool storage or maintenance.
- New hollow upper arm provides optimal cable protection and longer life while simplifying programming.
 A 50 mm clearance through axes 4-6 encloses the cable and protects it from wear, interference or snagging.
- Exceptionally fast axis speeds and acceleration reduces cycle times and increases production output. Fastest robot in its class due to cutting-edge Sigma-5 motors and ARM motion.

- Patented double yoke upper arm design provides additional strength if the robot is crashed. Much stronger than other six axis integrated cable designs.
- Symmetric wrist profile provides consistent motion and clearances regardless of robot approach.
- Mounting is available on the back side of the upper arm reducing interference with machines or other items in the workcell.
- The MH24 can be floor-, wall- or ceiling-mounted. Brakes are included on all axes.
- The MH24 has an IP67-rated wrist and an IP54 body standard. An XP (eXtra Protection) package that increases the body protection rating to IP65 is available.
- Ideally suited for use in high-density workcells with multiple robots working in close proximity.

MH24 ROBOT 150 795 100 A A SP PIPE TAP CONNECTION (WITH PLUG) INTERNAL USER WIRING CONNECTOR TYPE IS JLOS-2A20-29SC (WITH CAP) MATCHING COMPLETE CABLES ARE AVAILABLE AS AN OPTION 180° 180° 180° 180° 180° 180°





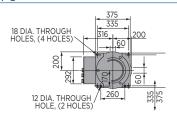
VIEW B



INTERNAL USER AIR LINES 3/8" PIPE TAP CONNECTION (WITH PLUG)

INTERNAL USER WIRING CONNECTOR (BASE SIDE)
'TYPE IS JLO5-2A20-29PC (WITH CAP) MATCHING
CONNECTOR IS NOT SUPPLIED BUT COMPLETE
CABLES ARE AVAILABLE AS AN OPTION

VIEW C



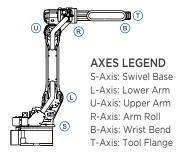
All dimensions are metric (mm) and for reference only. Request detailed drawings for all design/engineering requirements.

SPECIFICATIONS						
	Maximum	Maximum	Allowable	Allowable	Controlled axes	6
Axes	motion range	speed	moment	moment of inertia	Maximum payload [kg]	24
	[°]	[°/sec.]	[N•m]	[kg•m²]	Repeatability [mm]	±0.06
S	±180	197	-	-	Horizontal reach [mm]	1,730
					Vertical reach [mm]	3,089
L	+155/-105	190	-	-	Weight [kg]	268
U	+240/-170	210	-	-	Power requirements DX200 / MLX300	3-phase; 240/480/575 VAC at 50/60 Hz
R	±200	410	50	2.1	MLX200	3-phase; 200/230 VAC at 50/60 Hz
В	±150	410	50	2.1	Power rating [kVA]	2.0
					Internal I/O cable [conductors w/ ground]	17
Т	±455	620	30.4	1.1	Internal air line [connections]	(1) 3/8"

Specifications for MH24 with XP package may be different.

OPTIONS

Extended length manipulator cables
Robot risers and base plates
Wide variety of fieldbus cards
MotoSight™ 2D and 3D vision systems
Robot base and upper arm I/O cables
XP package and anti-corrosive paint



Yaskawa America, Inc. Motoman Robotics Division

100 Automation Way Miamisburg, OH 45342 Tel: 937.847.6200 Fax: 937.847.6277

motoman.com



^{*} 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.