



MPL80 II

PALLETIZING | DE-PALLETIZING

KEY BENEFITS

Improve cycle times for palletizing and other order-handling tasks

High reliability and ease of maintenance

Performance-driven design

SPECIFICATIONS

80 kg maximum payload

3,291 mm vertical reach

2,061 mm horizontal reach

CONTROLLERS



DX200



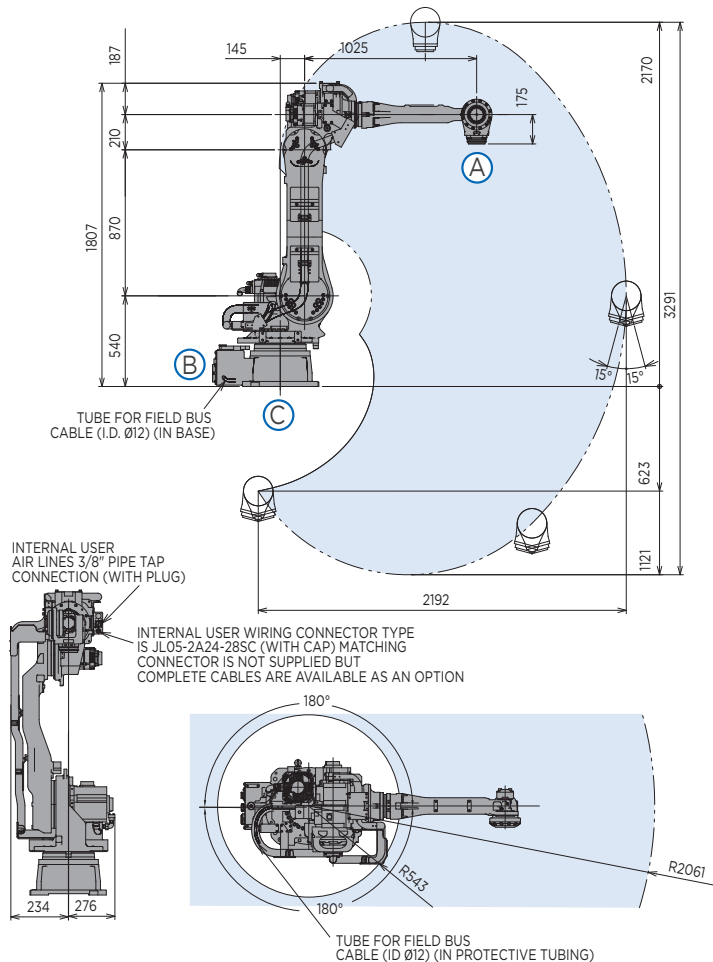
MLX200



MLX300*

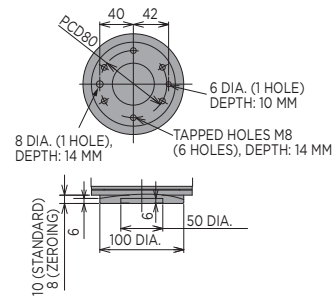
- High-performance, 5-axis robot with 80 kg payload capacity.
- Highly versatile, the MPL80 II robot is ideal for case palletizing, bag palletizing, order picking and many logistical tasks for end-of-line or distribution center automation.
- Extensive 3,291 mm vertical reach, combined with 2,061 mm horizontal reach, enables palletizing loads up to 95 in. tall.
- Internally routed airlines and cables from base to end-of-arm tool maximize reliability.
- Cable installation tube in the base of the robot facilitates fieldbus routing to the robot upper arm and/or gripper.
- NSF-H1 certified food-grade lubricant option available for food or consumer product packaging environment.
- Compact base and slim-arm design of the MPL80 II is ideally suited for minimum floorspace installation requirements.
- Available with PalletSolver™, Yaskawa Motoman's operator-friendly palletizing software suite, for fast and easy creation of palletizing patterns.
 - PalletSolver's offline pattern generation tool with intuitive graphical interface allows quick changeovers without halting production.
 - Highly customizable to each palletizing system.
 - Directly imports pallet patterns generated in widely-used TOPS® or CAPE software.

MPL80 II ROBOT

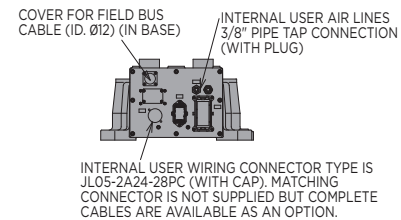


All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

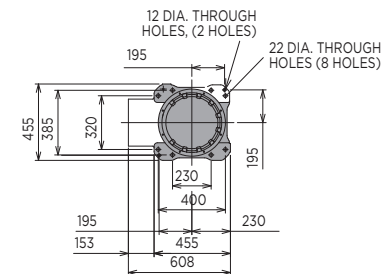
VIEW A



VIEW B



VIEW C



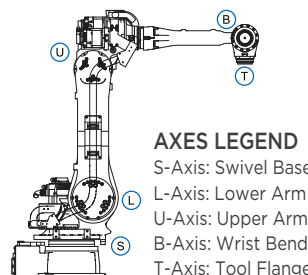
SPECIFICATIONS

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N•m]	Allowable moment of inertia [kg•m²]	Controlled axes	5
					Maximum payload [kg]	80
S	±180	170	-	-	Repeatability [mm]	±0.07
					Horizontal reach [mm]	2,061
L	+135/-90	170	-	-	Vertical reach [mm]	3,291
					Weight [kg]	550
U	+35/-160	170	-	-	Power requirements DX200 / MLX300 MLX200	3-phase; 240/480/575 VAC at 50/60 Hz 3-phase, 230 VAC at 50/60 Hz
B	±15	170	78.4	16	Power rating [kVA] DX200 / MLX300 MLX200	4.0 6.0
T	±360	350	20.5	6.1		

* 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

NSF-H1 certified food-grade lubricants
Extended length manipulator cables
PalletSolver - revolutionary palletizing software
MotoSight™ - easy to integrate vision software



AXES LEGEND

S-Axis: Swivel Base
L-Axis: Lower Arm
U-Axis: Upper Arm
B-Axis: Wrist Bend
T-Axis: Tool Flange

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