

MH24-10

ASSEMBLY | DISPENSING
MACHINE TENDING | MATERIAL HANDLING

KEY BENEFITS

Extended 2,010 mm reach
10 kg payload
Large 50 mm thru-hole for process utilities
Contoured arm design
Thru-hole wrist design maximizes equipment uptime

SPECIFICATIONS

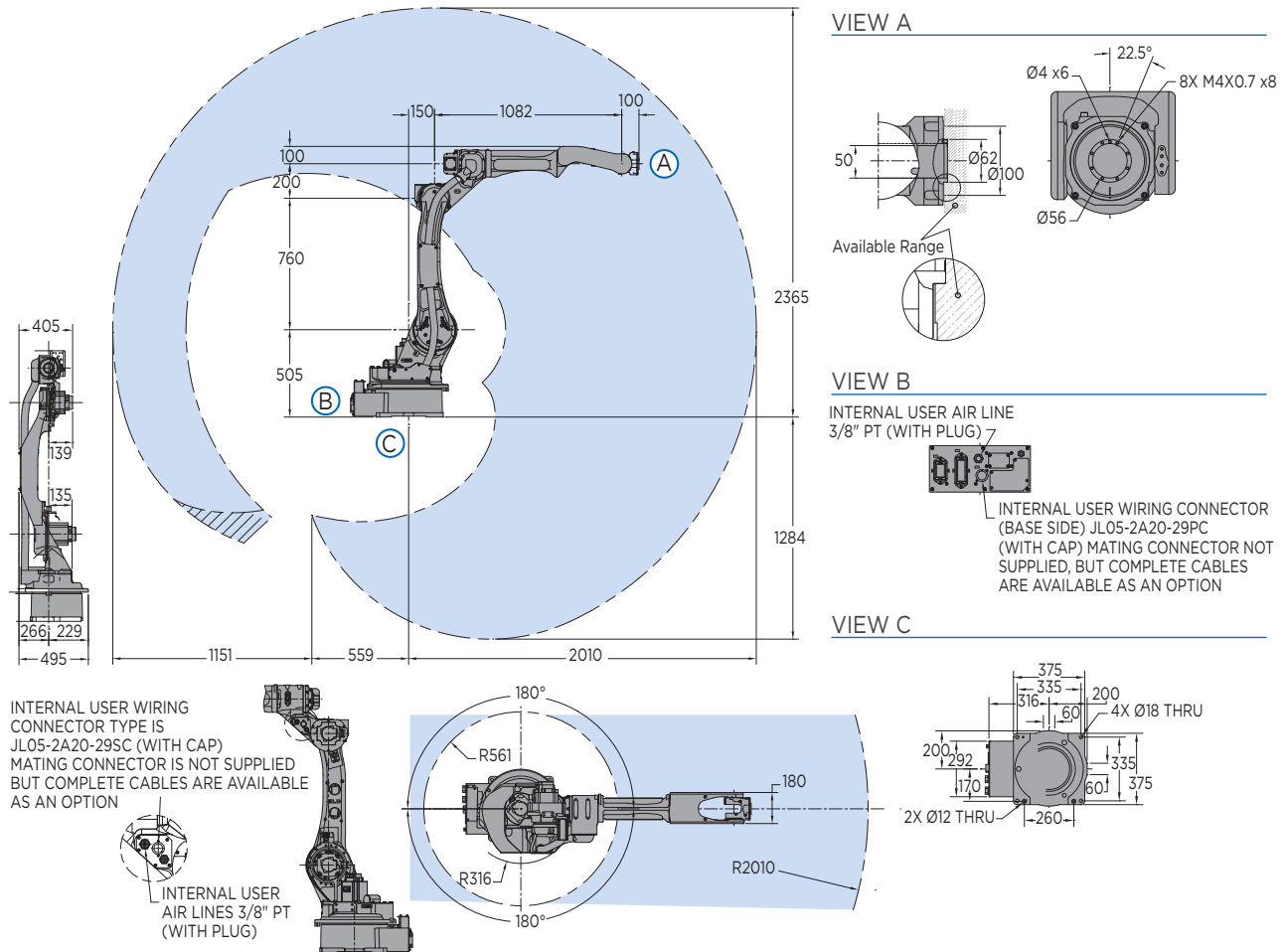
10 kg payload
2,010 mm horizontal reach
3,649 mm vertical reach
±0.08 mm repeatability
Floor, wall or ceiling mounted

CONTROLLERS

☒ DX200 ☐ FS100 ☐ MLX100

- Slim, extended reach MH24-10 robot increases productivity and achieves high performance.
- Powerful high-speed six-axis robot is ideal for a variety of applications.
- Hollow upper arm provides optimal cable protection and long life while simplifying programming. A 50 mm clearance through axes 4-6 encloses the cable and protects it from wear, interference or snagging.
- Contoured arm design reduces interference with jigs and large parts.
- Exceptionally fast axis speeds and acceleration reduces cycle times and increases production output.
- 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.
- Ideally suited for use in high-density workcells with multiple robots working in close proximity.
- Extended reach is ideal for agriculture/construction machinery or automotive frames.
- Slim arm allows easy access to parts in tight spots and avoids potential interference with fixtures.
- Also available with increased 24 kg payload capacity in slightly shorter reach (1,730 mm) configuration (MH24).

MH24-10 ROBOT



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

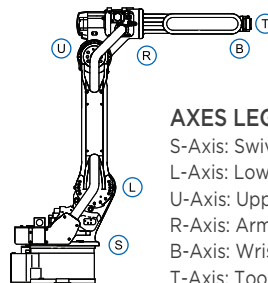
SPECIFICATIONS

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N•m]	Allowable moment of inertia [kg•m ²]	Controlled axes	6
S	±180*	197	-	-	Maximum payload [kg]	10
L	+155/-105	190	-	-	Repeatability [mm]	±0.08
U	+250/-170	210	-	-	Horizontal reach [mm]	2,010
R	±200	410	22	0.65	Vertical reach [mm]	3,649
B	±135	410	22	0.65	Temperature [°C]	0 to +45
T	±455	620	9.8	0.17	Humidity [%]	20 - 80
					Weight [kg]	280
					Power rating [kVA]	2.0

* Wall-mounted MH24-10 S-axis maximum motion range is ±30°

OPTIONS

Extended length manipulator cables
Robot risers and base plates
Wide variety of fieldbus cards
MotoSight 2D and 3D vision systems



AXES LEGEND

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

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