

# MOTOMAN MPX2600

Medium-sized Robot for flexible Painting



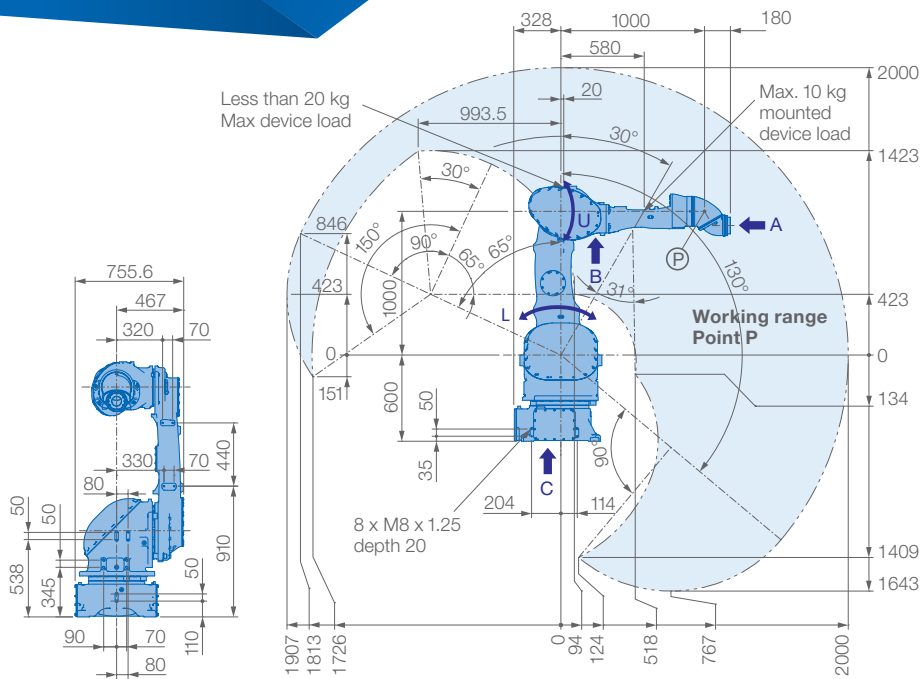
The MOTOMAN MPX2600 painting robot provides a payload of 15 kg, which enables mounting of multiple guns and large bells on this medium-sized robot. The smooth arm design with a large hollow diameter is optimal for tubing and can prevent interferences among paint and air tubes. On the U-Arm additionally paint equipment can be mounted.

Using the leakage compensation method to achieve positive pressure inside the enclosure, less air during operation is required, compared to the conventional air flow method. The MOTOMAN MPX2600 can be mounted on the floor, wall or ceiling and has three selectable access points for power cables. The S/L axis is designed with no offset to enable the effective use of the area under the arm and closer installation to a work piece.

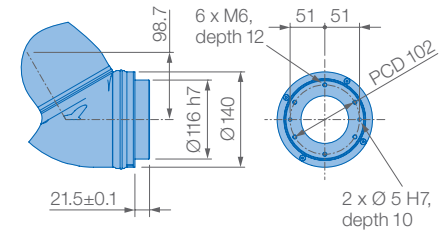
The MOTOMAN MPX2600 is controlled by the high-performance MOTOMAN DX200 controller, which is available with optional Functional Safety Unit (FSU) that offers a wide range of new safety functions.

## KEY BENEFITS

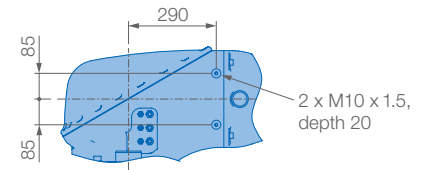
- High payload (15 kg wrist, 20 arm) for mounting multiple guns and large bells
- Elegant design for optimal tubing and prevention of interferences
- **Pressurized enclosure for explosion protection**
  - Leakage compensation method to achieve positive pressure
  - Requires less air than other air flow methods
- **Flexible mounting options**
  - Floor, wall, ceiling
  - Three selectable access points for power cables (left, right, back side)
- **Optimized range of motion**
  - S/L axis designed with no offset for
  - Effective use of area under the arm and
  - Closer installation of the robot arm to a work piece



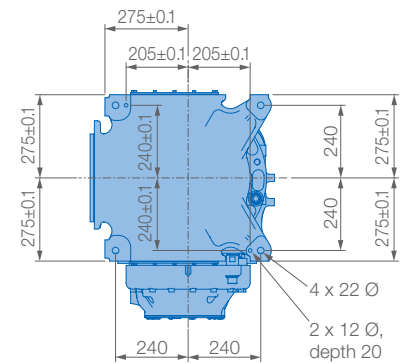
## View A



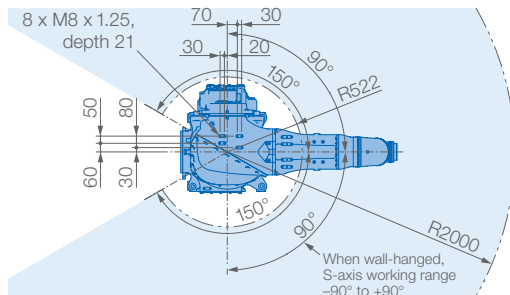
## View B



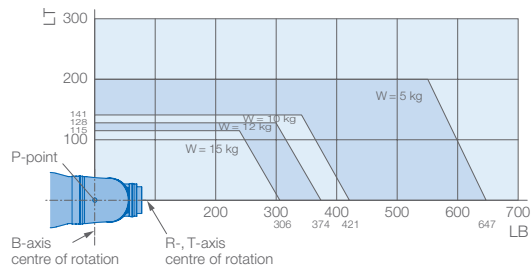
## View C



Mounting options: Floor, ceiling, wall  
Protection class: IP4X/65



## Allowable wrist load



**ATEX Category 2: (MPX2600-C00)**

**Ex** II 2 G Ex ib pxb IIB T4 Gb  
Ex ib IIB T4 Gb  
Ta = 0°C to 40°C

**CE**  
2776

## Specifications MPX2600

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m <sup>2</sup> ]	Controlled axes	6
S	±150 (Wall ±90)	120	-	-	Max. payload [kg]	15
L	+130/-65	120	-	-	Repeatability [mm]	±0.2
U	+150/-65	120	-	-	Max. working range R [mm]	2000
R	±720	360	93.2	3.75	Temperature [°C]	0 to +40
B	±720	360	58.8	2.225	Humidity [%]	20 - 80
T	±720	360	19.6	0.20	Weight [kg]	485
					Power supply, average [KVA]	3.0

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