

The MOTOMAN MH50 II is a versatile, high speed 6-axis robot offering superior performance in material handling, machine tending, processing and dispensing applications. Featuring a streamlined body, the MH50 II can be placed close to machines for loading and unloading of parts.

Controlled by  
**DX200**



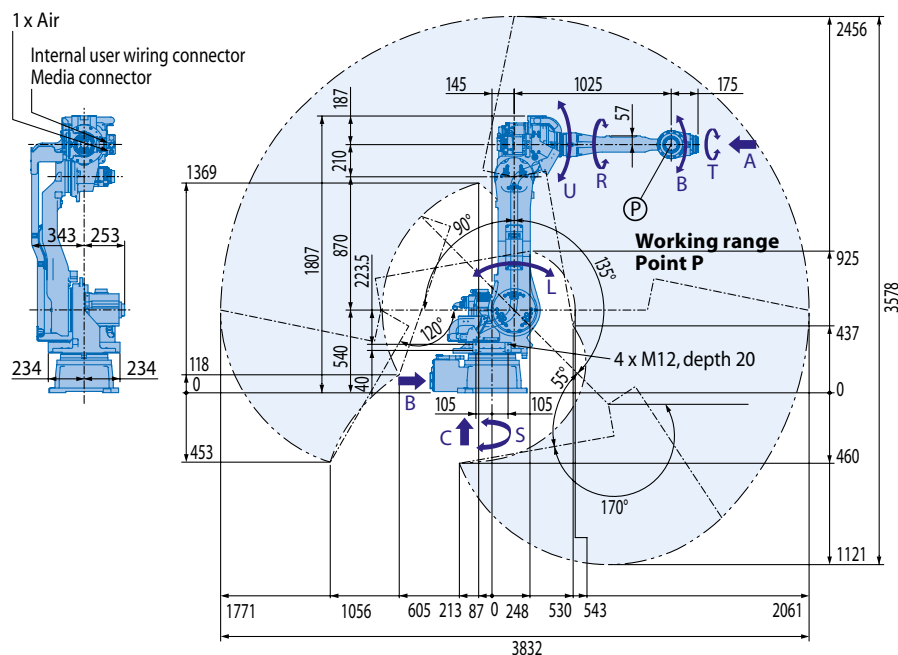
**Key benefits**

- Fast, flexible and reliable
- Ideal for a variety of applications, multi-purpose robot
- Robot with sleek design that requires minimal installation space
- 50 kg payload

## MOTOMAN MH50 II

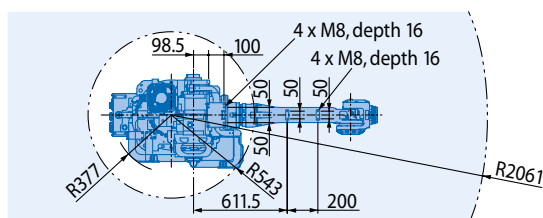
General purpose and handling

 **YASKAWA**

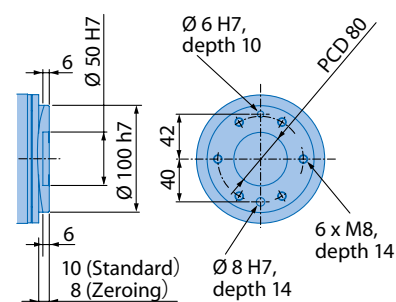
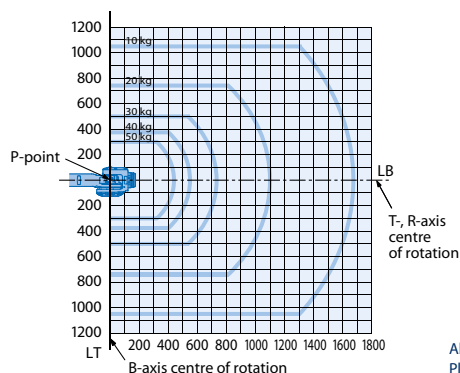


**Please note  
wall mounting  
option:  
+/- 30°  
S-axis limit**

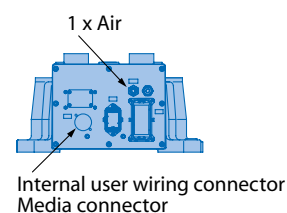
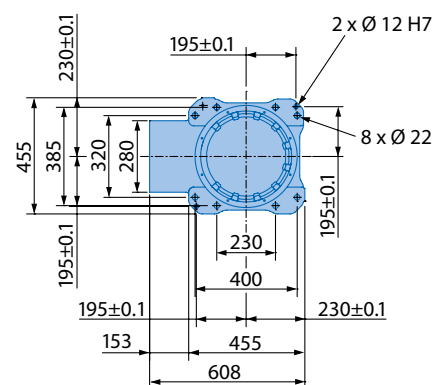
**Please note ceiling mounting option:**  
Depends on B-axis position



### Allowable wrist load



### View B

**View C**

Mounting options: Floor, ceiling, wall

All dimensions in mm | Technical data may be subject to change without previous notice |  
Please request detailed drawings at [robotics@yaskawa.eu.com](mailto:robotics@yaskawa.eu.com) – YR-MH00050II-J00, B-11-2014, A-No. 167071

## Specifications MH50 II

| Axes | Maximum motion range [°] | Maximum speed [°/sec.] | Allowable moment [Nm] | Allowable moment of inertia [kg · m²] | Controlled axes             | 6        |
|------|--------------------------|------------------------|-----------------------|---------------------------------------|-----------------------------|----------|
|      |                          |                        |                       |                                       | Max. payload [kg]           | 50       |
| S    | ±180                     | 180                    | –                     | –                                     | Repeat. pos. accuracy [mm]  | ±0.07    |
| L    | +135/–90                 | 178                    | –                     | –                                     | Max. working range [mm]     | R = 2061 |
| U    | +251/–170                | 178                    | –                     | –                                     | Temperature [°C]            | 0 to +45 |
| R    | ±360                     | 250                    | 216                   | 28                                    | Humidity [%]                | 20 – 80  |
| B    | ±125                     | 250                    | 216                   | 28                                    | Weight [kg]                 | 550      |
| T    | ±360                     | 360                    | 147                   | 11                                    | Power supply, average [KVA] | 4        |



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