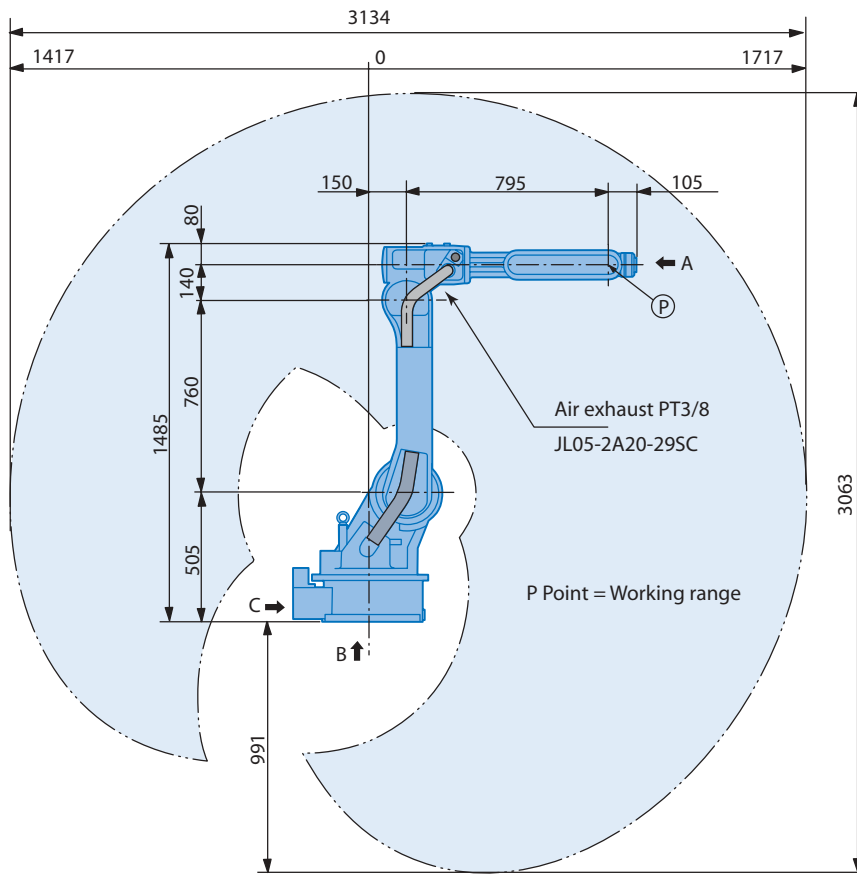


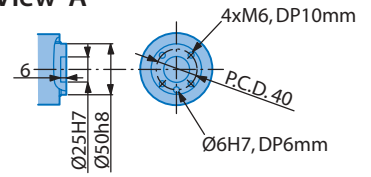
General purpose robot
MOTOMAN-HP20
MOTOMAN-HP20-6



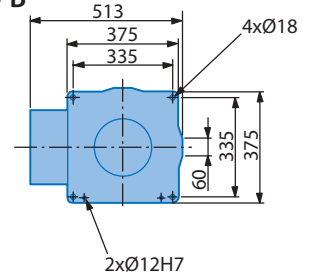
MOTOMAN-HP20



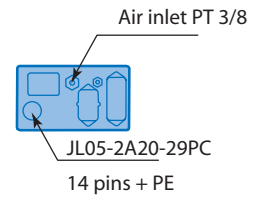
View A



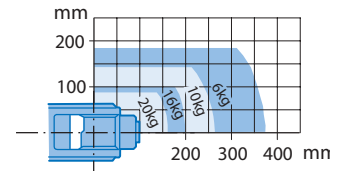
View B



View C



Maximum payload



Note

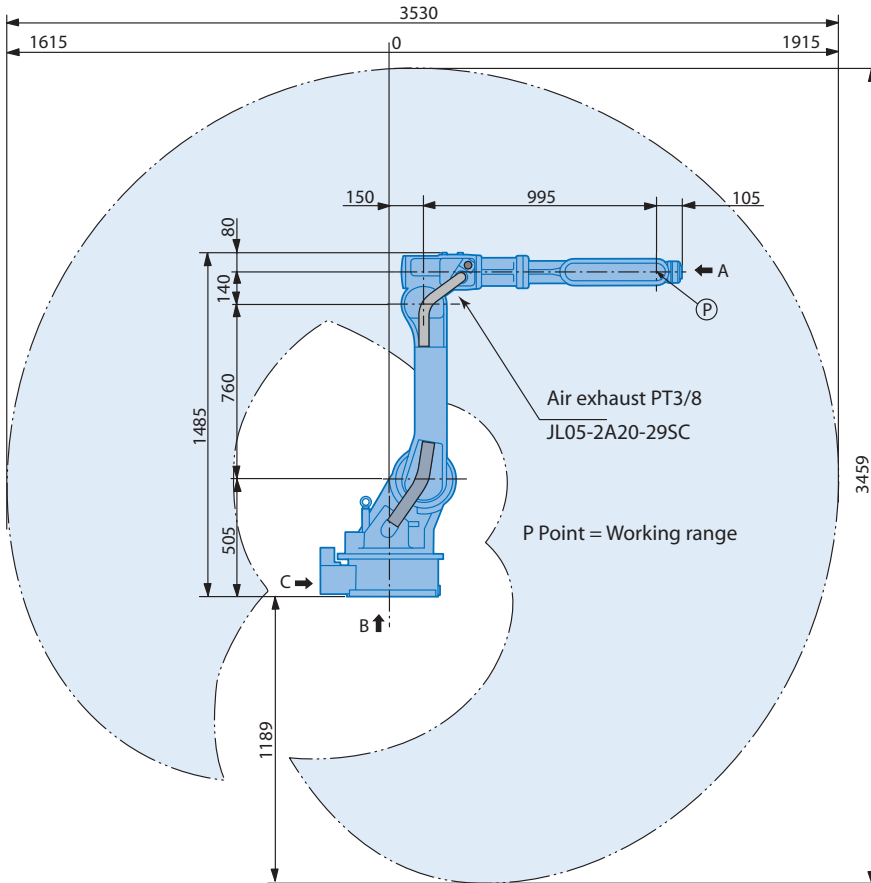
These dimensions are for reference only. Please request detail drawings for all design or engineering requirements.

Technical Specification for MOTOMAN-HP20

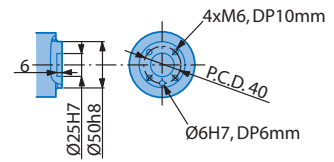
Controlled axis	6					
Payload	20 kg					
Repeatability	±0.06 mm	Axis	Motion range	Maximum speed	Allowable moment	Allowable inertia
Weight	280 kg	S	±180°	170°/s	–	–
Power requirements	2.8 kVA	L	+155°, -110°	170°/s	–	–
Mounting positions	Floor, wall ¹⁾ and ceiling	U	+255°, -165°	175°/s	–	–
Wrist unit protection class	IP67	R	±200°	355°/s	39.2 Nm	0.9 kg·m ²
Robot body protection class	IP54 ²⁾ , (IP65 option)	B	±140°	345°/s	39.2 Nm	0.9 kg·m ²
Ambient conditions	0 to +45°C, 20-80% RH	T	±360°	525°/s	19.8 Nm	0.25 kg·m ²

¹⁾ S-axis limitations

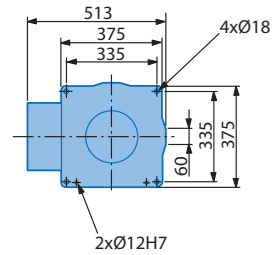
²⁾ Floor mounted



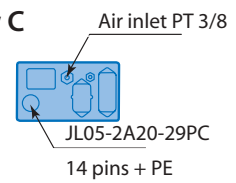
View A



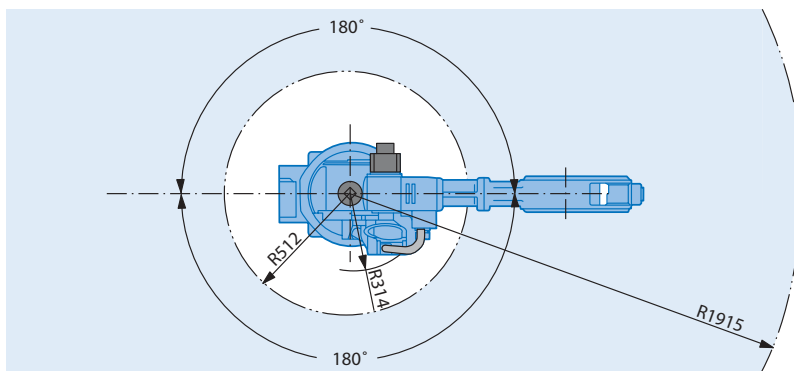
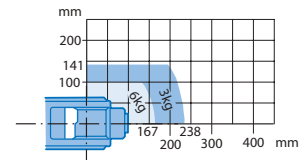
View B



View C



Maximum payload



Note

These dimensions are for reference only. Please request detail drawings for all design or engineering requirements.

Technical Specification for MOTOMAN-HP20-6

Controlled axis	6					
Payload	6 kg					
Repeatability	±0.06 mm	Axis	Motion range	Maximum speed	Allowable moment	Allowable inertia
Weight	285 kg	S	±180°	170°/s	-	-
Power requirements	2.8 kVA	L	+155°, -110°	170°/s	-	-
Mounting positions	Floor, wall ¹⁾ and ceiling	U	+255°, -160°	175°/s	-	-
Wrist unit protection class	IP67	R	±200°	355°/s	11.8 Nm	0.24 kg·m ²
Robot body protection class	IP54 ²⁾ , (IP65 option)	B	+230°, -50°	345°/s	9.8 Nm	0.17 kg·m ²
Ambient conditions	0 to +45°C, 20-80% RH	T	±360°	525°/s	5.9 Nm	0.06 kg·m ²

¹⁾ S-axis limitations
²⁾ Floor mounted

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