

Robot specifications

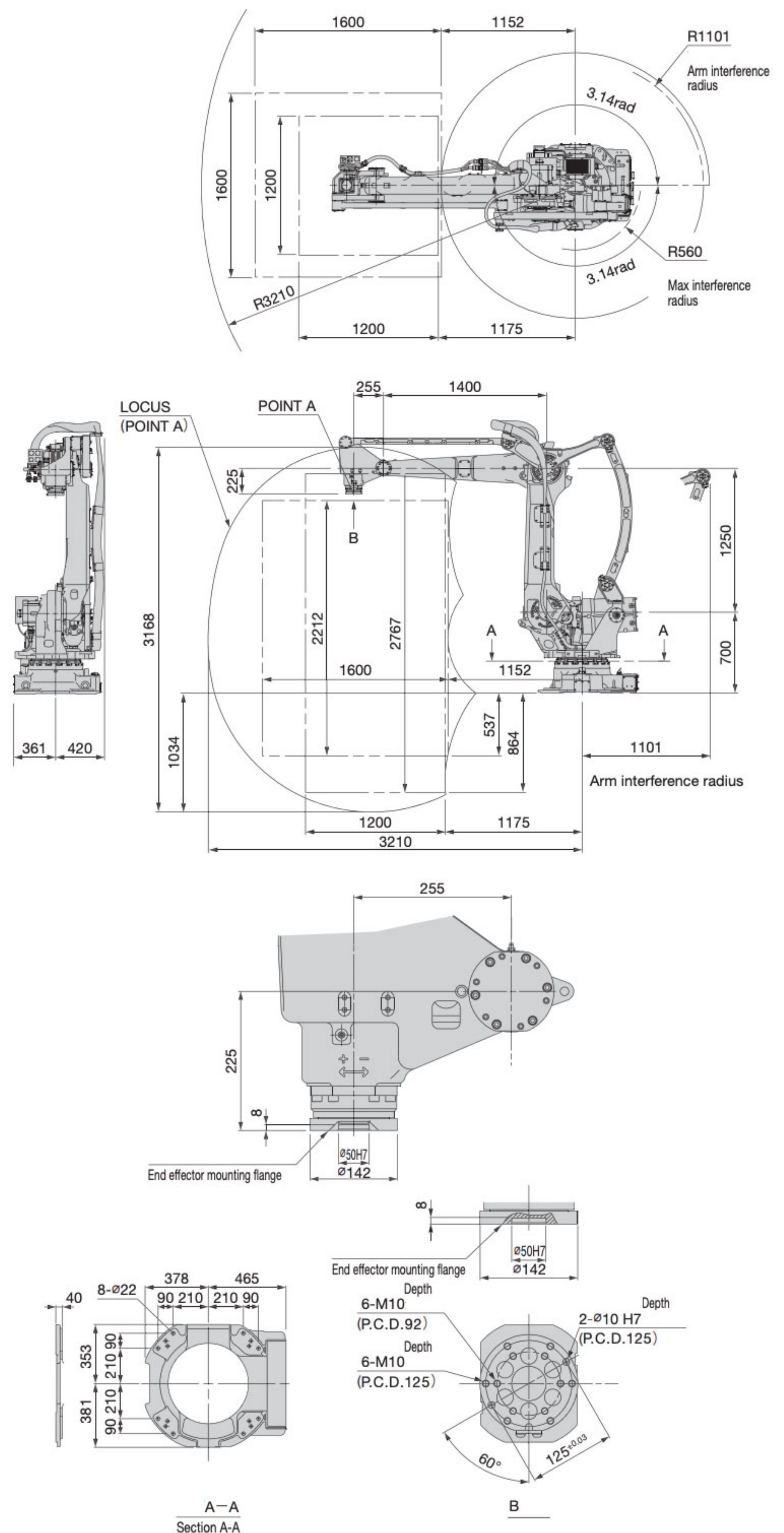
Item		Specifications		
Robot model		LP130-01	LP180-01	LP210-01
Construction		Articulated construction		
Number of axes		4		
Drive system		AC servo system		
Max. operating area	J1	±3.14rad		
	J2	+0.71 ~ -1.65 rad		
	J3	+0.30 ~ -2.04 rad		
	J4	±6.28rad		
Max. velocity	J1	2.27 rad/s	2.01 rad/s	1.83 rad/s
	J2	2.01 rad/s	1.75 rad/s	1.75 rad/s
	J3	2.01 rad/s	1.83 rad/s	1.75 rad/s
	J4	6.98 rad/s	6.28 rad/s	5.24 rad/s
Max. Payload	Wrist	130 kg	180 kg	210 kg
	Forearm ^{※1}	25 kg		
Max. allowable moment of inertia	J4	50 kgm ²	69 kgm ²	100 kgm ²
Repeatability ^{※2}		±0.3 mm	±0.4 mm	
Operating pressure		-101.3 ~ 690 kPa		
Air piping		2- ∅12×8 (up to wrist)		
Signal line for applications		20 circuits (up to wrist) 6 circuits (up to forearm)		
Installation method		Floor mounted		
Installation conditions		Ambient temperature 0 ~ 45 °C Ambient humidity 20 ~ 85% RH (without condensation) Vibration 0.5G		
Robot mass		1150 kg		

1 [rad] = 180/π [°], 1 [N·m] = 1/9.8 [kgf·m]

※1 Varies according to wrist load conditions and installation position.

※2 JIS B 8432 compliant.

Exterior dimensions and operating envelope



•The specifications are subject to changes without notice.

•In case that an end user uses this product for military purpose or production of weapon, this product may be liable for the subject of export restriction stipulated in the Foreign Exchange and Foreign Trade Act. Please go through careful investigation and necessary formalities for export.