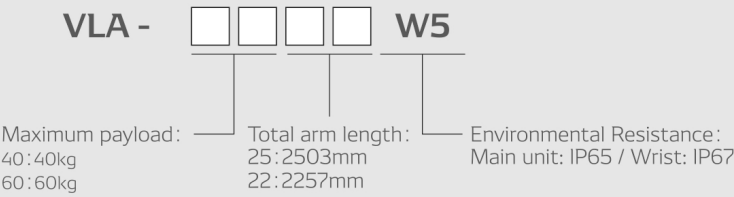


Specifications

Robot name		VLA-4025	VLA-6022
Number of axes		6	
Position detection system		Absolute Encoder	
Drive motor/brake		All axes AC servo motor/All axes with brake	
Total arm length (Arm 1 + Arm 2) [mm]		2085.5 (860+1225.5)	1835.5 (860+975.5)
Maximum operating area [mm]		2503 (Point P: 4th, 5th, 6th axis center)	2257 (Point P: 4th, 5th, 6th axis center)
Operating angle [°]	1st axis	-180 ~ 180*1	
	2nd axis	-60 ~ 125	
	3rd axis	-160 ~ 0	
	4th axis	-2700 ~ 2700*4	
	5th axis	-123 ~ 123	
	6th axis	-2700 ~ 2700*4	
Maximum payload [kg]		40	60
Position repeatability (at the center of an end-effector mounting face) [mm]*2		In each of X, Y and Z directions: ±0.06	
Maximum allowable moment [N·m]	Around 4th	167	221
	Around 5th	167	221
	Around 6th	98	118
Air piping		1 system (inner diameter: φ12.5)	
Signal line		14-core (19-core connector)	
		15-core (17-core connector)*3	
Air source [MPa]	Allowable maximum pressure	2.0	
Noise (Equivalent continuous A-weighted sound pressure level) [dB]		75	
Protection class		Main unit: IP65 / Wrist: IP67	
Main unit weight [kg]		Approx. 655	Approx. 645

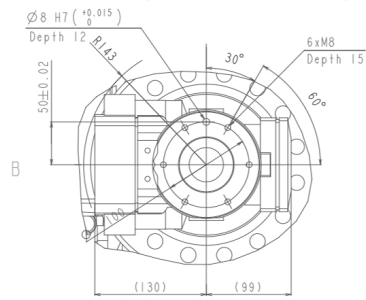
*1 : The operating angle is limited when the robot is installed at an angle. *2 : Position repeatability is the accuracy at constant ambient temperature.
*3 : Can be used as PROFIBUS / PROFINET / DeviceNet using wiring. *4: 800(±400) at the factory default settings.

Legend

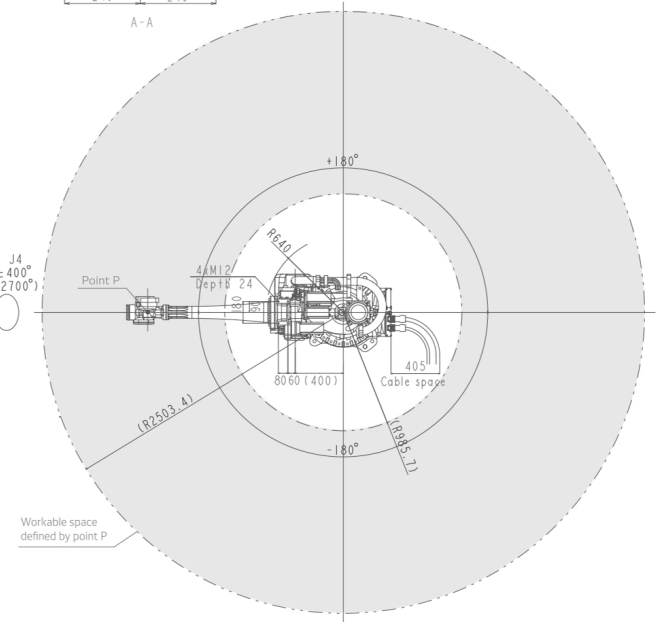
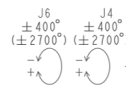
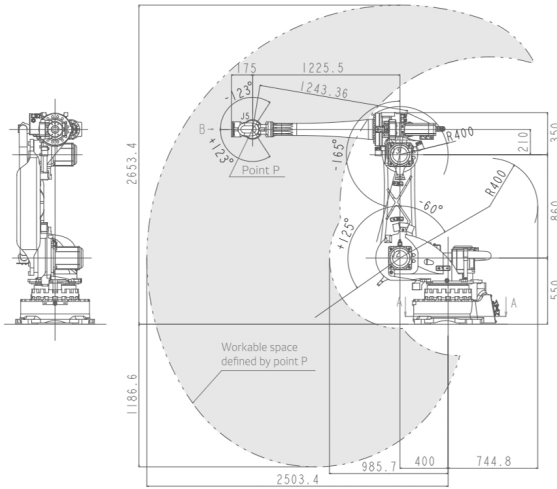
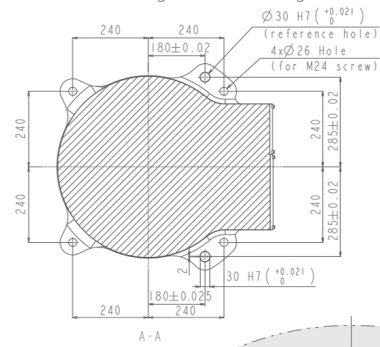


VLA-4025

■ Detailed drawing of end-effector mounting face

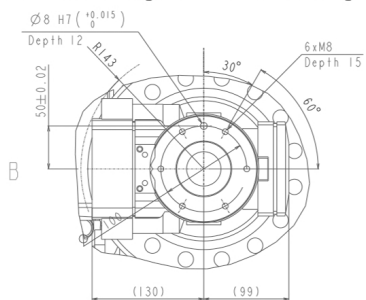


■ Detailed drawing of base mounting face



VLA-6022

■ Detailed drawing of end-effector mounting face



■ Detailed drawing of base mounting face

