

Technical Specifications XR-4341/4371/4372/4373/43A1/43A2/43A3

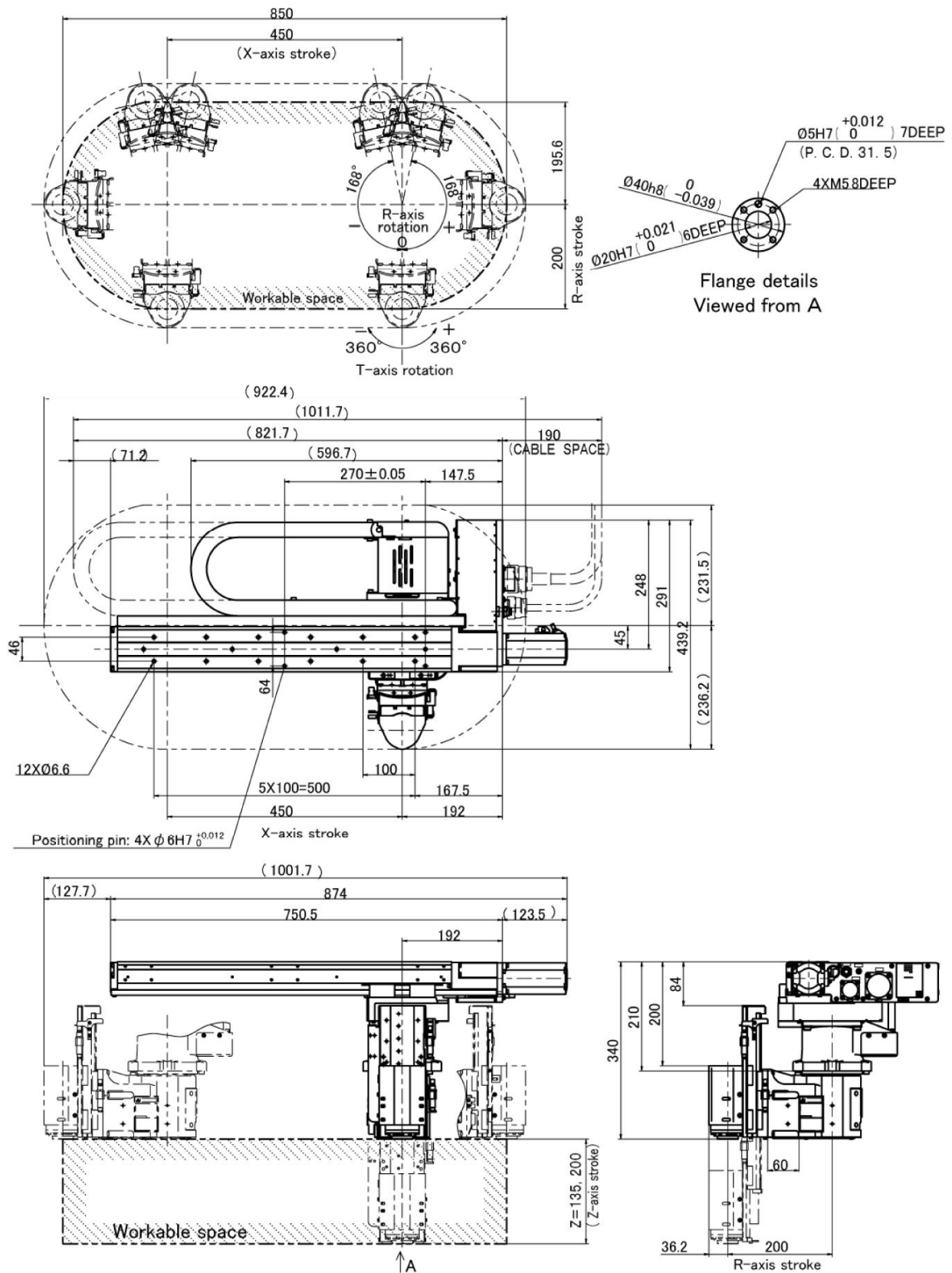
Item		Unit	Specifications						
Model name of robot unit(*1)		-	XR-4341*	XR-4371*	XR-4372*	XR-4373*	XR-43A1*	XR-43A2*	XR-43A3*
Axes		-	4						
Position detection		-	Absolute encoder						
Drive motor and brake		-	AC servomotors for all joints / Z-axis equipped with brake						
Overall arm length(first arm + second arm)		mm	200		250	300	200	250	300
Motion angle and stroke	X(1st-Axis)	mm	450	760			1,060		
	R(2nd-Axis)	°	±168						
	Z(3rd-Axis)	mm	*=1: 135、*=2: 200						
	T(4th-Axis)	°	±360						
Maximum payload		kg	5						
Maximum composite speed (at the center of an end-effector mounting face)	At the center of the hand mounting flange	mm/sec	3,650	3,600			3,240		
	Z		1,500						
	T	°/sec	720						
Position repeatability(at the center of an end-effector mounting face)(*2)	X+R	mm	±0.015						
	Z		±0.01						
	T	°	±0.005						
Maximum allowable inertia moment (Inertia)		kgm ²	0.05						
User air piping		-	1 system (φ8) (with optional manifold valve : 4 systems (φ4X8))						
User signal line		-	10(for proximity sensor signals, etc.)						
Air source	Operating pressure	Mpa	0.05 - 0.35						
	Maximum allowable pressure		0.59						
Weight(*3)		kg	Approx. 33	Approx. 45	Approx. 46	Approx. 47	Approx. 51	Approx. 52	Approx. 53

1.An asterisk () in model names denotes the Z-axis stroke.

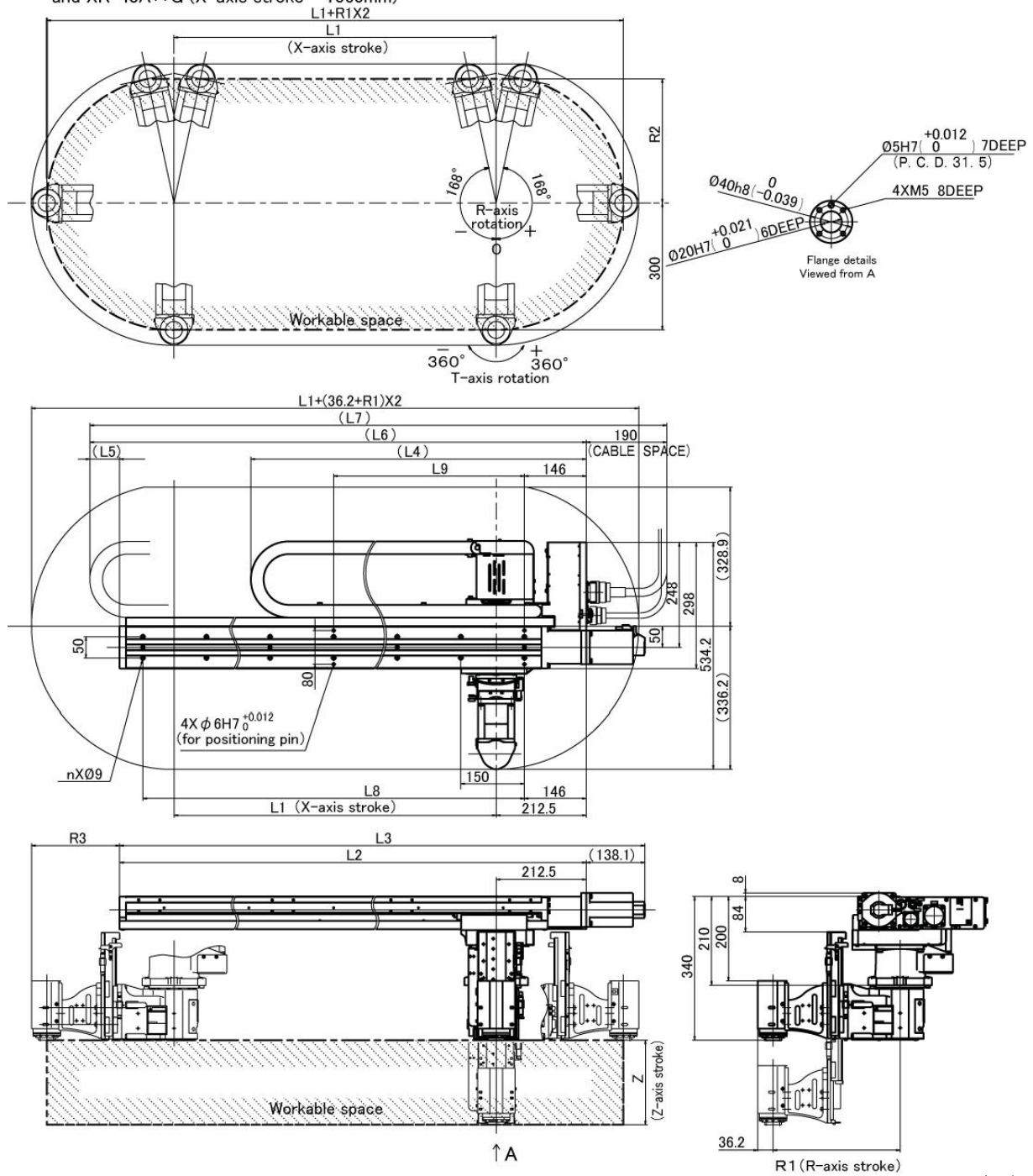
*2.Measured at the constant ambient temperature.

*3.In the case of the heaviest model (Z=200mm).

■ Outer Dimensions and Workable Space of the XR-4341*G (X-axis stroke = 450mm)



■ Outer Dimensions and Workable Space of the XR-437**G (X-axis stroke = 760mm)
and XR-43A**G (X-axis stroke = 1060mm)



L1(X-axis stroke)	Model	L2	L3	L4	L5	L6	L7	L8	L9	L10
760	XR-437**GM	1101	1239.1	791.2	70.2	1171.2	1361.2	6X150=900	450	14
1060	XR-43A**GM	1401	1539.1	913.7	42.7	1443.7	1633.7	8X150=1200	600	18

R1(R-axis arm length)	Model	R2	R3
200	XR-43*1*GM	195.6	107.7
250	XR-43*2*GM	244.6	157.7
300	XR-43*3*GM	293.4	207.7

Z(Z-axis stroke)	Model
135	XR-43**1GM
200	XR-43**2GM