

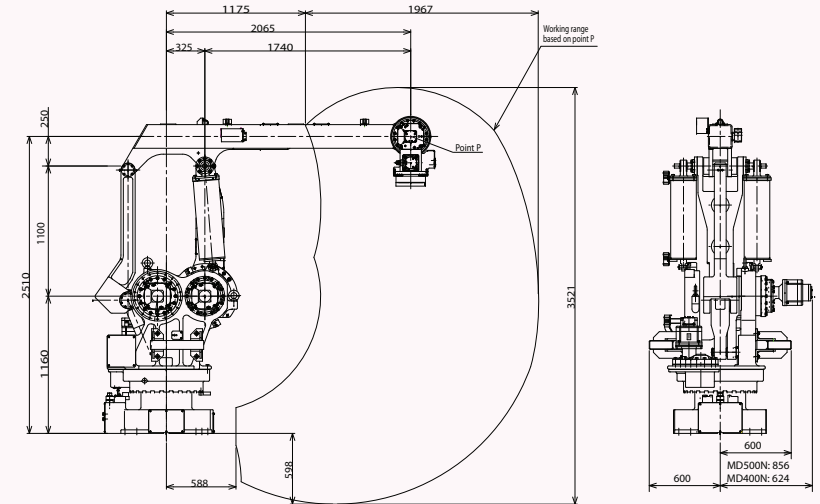
MODEL		RD080N	ZD130S	ZD250S	MD400N	MD500N
Degrees of Freedom		4 Axes				
Maximum Reach*1		2100 mm	3255 mm	3255 mm	3142 mm	3142 mm
Maximum Payload		80 kg	130 kg	250 kg	400 kg	500 kg
Maximum Stroke	Axis 1	±180°	±180°	±180°	±180°	±180°
	Axis 2	+140° ~ -105°	+90° ~ -50°	+90° ~ -50°	+90° ~ -45°	+90° ~ -45°
	Axis 3	+40° ~ -205°	+15° ~ -120°	+15° ~ -120°	+14° ~ -125°	+14° ~ -125°
	Axis 4	±360°	±360°	±360°	±360°	±360°
Maximum Speed	Axis 1	180°/s	135°/s	95°/s	80°/s	70°/s
	Axis 2	180°/s	110°/s	90°/s	70°/s	65°/s
	Axis 3	175°/s	130°/s	95°/s	70°/s	45°/s
	Axis 4	360°/s	400°/s	190°/s	180°/s	160°/s
Max. torque of inertia (payload)	Wrist	13.7 kg/m²	50 kg/m²	100 kg/m²	200 kg/m²	250 kg/m²
Repeatability (Measure Point: Center of Flange)		± 0.07 mm	± 0.5 mm	± 0.5 mm	± 0.5 mm	± 0.5 mm
Weight		540 kg	1350 kg	1350 kg	2650 kg	2680 kg
Palletizing performance data (vertical/horizontal)		*2 2800 cycles/h (80 kg)	1800 cycles/h (80 kg)	850 cycles/h (250 kg)	740 cycles/h (400 kg)	600 cycles/h (500 kg)
RD080N*: 75 mm/900 mm RD080N*: 400 mm/2000 mm ZD/MD: 400 mm/2000 mm		*3 900 cycles/h (80 kg)	1500 cycles/h (130 kg)			
Controller		E42	E43	E43	E44	E44
Color		Munsell 10GY9/1 equivalent				
Installation		Floor				
Ambient Conditions	Temperature	0-45°				
	Humidity	35~85% (no Dew, nor Frost allowed)				
	Others	Installation Ambience must be free of: • Inflammable or corrosive Liquid or Gas • Electric Noise Interferences				
Application Media Upper Arm	input	12	12	12	12	12
	output	8	8	8	8	8
	air pipes	2 x 10 mm Ø	2 x 12 mm Ø	2 x 12 mm Ø	2 x 12 mm Ø	2 x 12 mm Ø

^{*1} Distance between center of Axis 1 and center of flange.

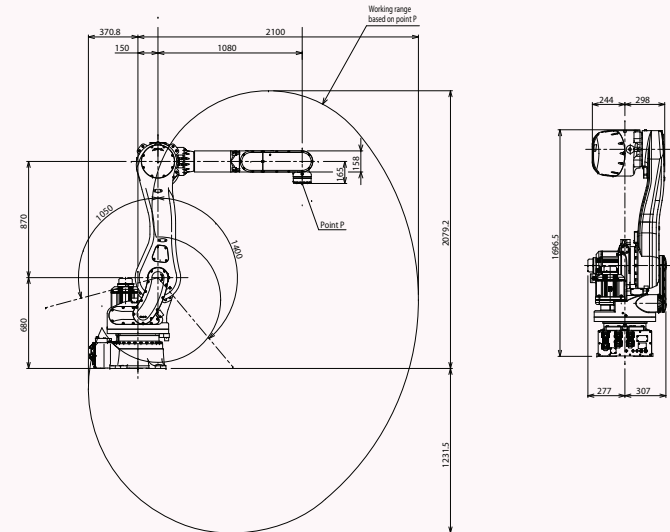
RD080N, MD400N and MD500N are using a compensating 5th axis to eliminate the parallelogram



Standard specifications



MD400N/MD500N



RD080N