



CAD-MECH
CAD-Mech Engineering Pvt. Ltd.

ISO 9001:2015 COMPANY



AUTOMATION FOR A CHANGING WORLD

Delta Articulated Robots
Precision Industrial Robot



Features of the machine and software

- Excellent Speed & Repeatability
- Hollow-wrist Design for Cable Routing
- Table-top, Ceiling-mount, and Wall-mount Installations
- Compact Design for Easy Installation and Fast Production Line Application
- User-Friendly Interface
- DRASstudio Intuitive interfaces
- Real-time support via complete customer feedback interface
- Categorized projects and models for easy management
- Intuitive coding environment with drag and drop functions
- Easy-to-Operate
- User-defined IO Functions
- Multiple DI/Os for real-time monitoring and operation
- Total system development with external equipment via serial connection
- Easy Setup for Fast Integration
- Provides 9 user frames and tool frames
- Wide Range of Motion Setting for Enhanced Safety and Reliability

Applications



Load / Unload



Machine Tending



Assembly



Insertion



Inspection



Screw-driving

Product Specification

DRV Series

Model		DRV70L Series	DRV90L Series	DRVA1L Series	DRVA4L Series
Number of Axes		6			
Max. Working Range		710 mm	900 mm	1,111mm	1,411mm
Max. Payload		7 kg			
Motion Range	J1	±170°			
	J2	+133° / -105°	+135° / -105°	+135° / -105°	
	J3	+60° / -205°			
	J4	±190°			
	J5	±120°			
	J6	±360°			
Max. Speed	J1	450° / sec	370° / sec	240° / sec	200° / sec
	J2	340° / sec	260° / sec	220° / sec	165° / sec
	J3	510° / sec	410° / sec	295° / sec	220° / sec
	J4	550° / sec		465° / sec	
	J5	550° / sec		480° / sec	
	J6	820° / sec		705° / sec	
Max. Composite Speed		11,000 mm / sec	10,600 mm / sec	9,400 mm / sec	9,100 mm / sec
Allowable inertia	J4	0.47 kg*m ²			
	J5	0.47 kg*m ²			
	J6	0.15 kg*m ²			
Allowable moment	J4	16.6 Nm			
	J5	16.6 Nm			
	J6	9.4 Nm			
Repeatability		±0.02 mm	±0.03 mm	±0.04mm	±0.05mm
Standard Cycle Time ^{*1}		0.32 sec	0.35 sec	0.48 sec	0.54 sec
Installations		Table-top, ceiling-mount, wall-mount ^{*2}			
Built-in Design		With 1 12Pos. circular connector for sensor connections and 2 ø6 pneumatic tubes (one for the embedded 3 sets of solenoid valves, one for extension)			
IP Rating ^{*3}		IP40 (Standard) / IP65 (Optional) ^{*4}		IP65 (Standard)	
Environment	Ambient Temperature	0°C ~ 40°C			
	Humidity	20 ~ 85 %RH			
	Vibration	0.5 G			
Weight		37 kg	39 kg	76 kg	82 kg
Robot Controller		DCV Series			

*1: When carrying a payload of 1kg and reciprocating 25 mm in vertical and 300 mm in horizontal directions, under an operating temperature of 25°C and within a humidity of 45% - 65% RH.

*2: For wall-mount installation, please contact our local sales/distributors.

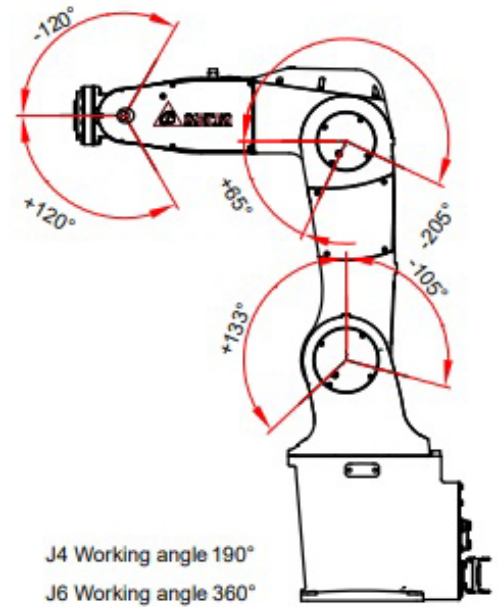
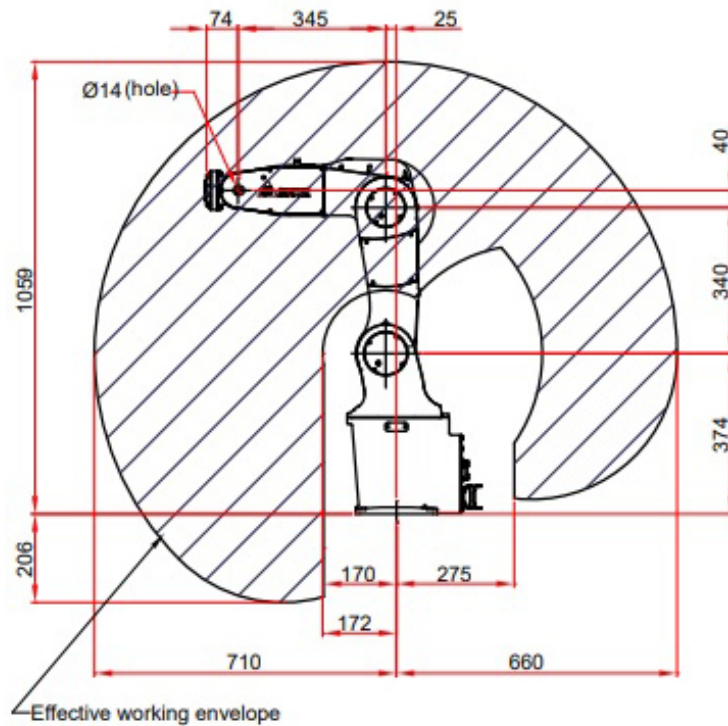
*3: The environment resistance can be altered for different applications. For special IP standard or wrist models, please contact local sales / distributors.

*4: Please contact local sales / distributors for optional IP65 models

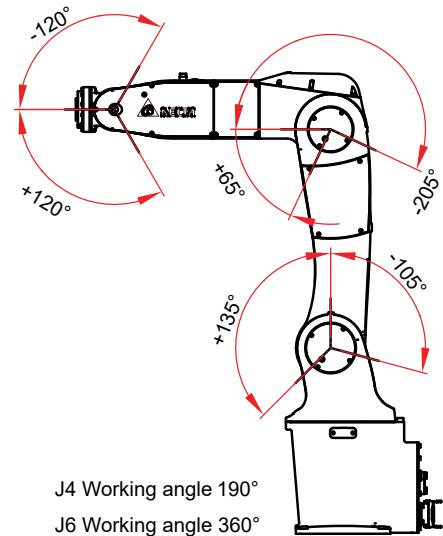
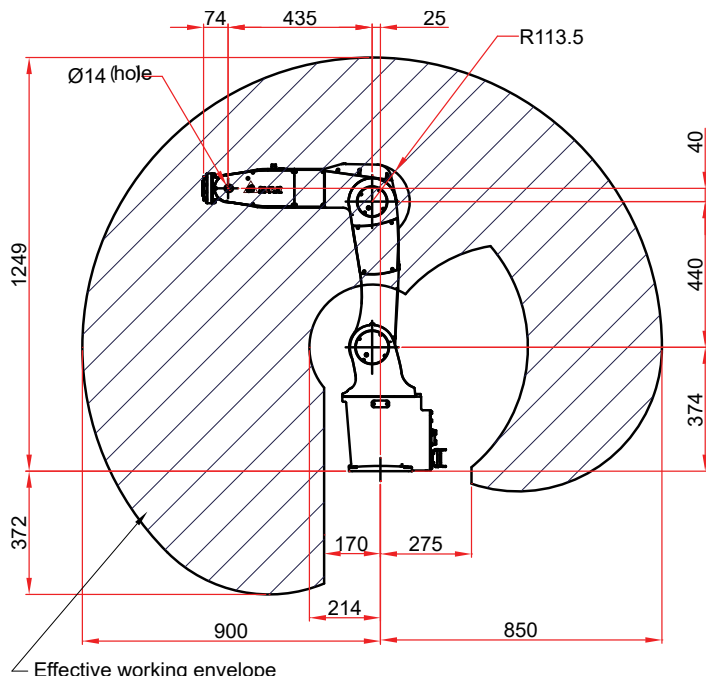
Dimensions - DRV Series

Range of Motion

DRV70L Series



DRV90L Series



CAD-Mech Engineering Pvt. Ltd.

Gat No. 30, Kasurdi, Behind Yogiraj Resort,
Tal. Bhore, Dist. Pune - 412 205.

P: +91 7276032488 | WhatsApp: +91 9763719531

Email: mktg@cadmech.co.in, admin@cadmech.co.in

Website: www.cadmech.co.in, www.vrampsystems.com

*Features and specifications are subject to change without prior notice.



OUR BRAND

