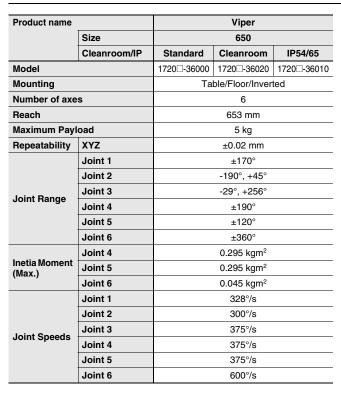
### **Articulated Robots**

# iper 650

# Articulated robot for machining, assembly, and material handling

- Ethernet capability to control the robot through the familiar programming language (IEC 61131-3) of Machine Automation Controller NJ/NX/NY
- Diagnostics display enables faster trouble shooting
- High-resolution, absolute encoders to provide high accuracy, superior slow-speed following, and easy calibration
- High-efficiency, low-inertia Harmonic Drives and a lightweight arm to deliver maximum acceleration
- Reach 653 mm
- Maximum payload 5 kg
- · Weight 34 kg





Product name		Viper				
Size		650				
	Cleanroom/IP	Standard	Cleanroom	IP54/65		
Power Requirements		24VDC: 6A 200 to 240VAC: 10A, single-phase				
Protection	Base	IP40	IP40	IP54		
	Robot Joints (J4, J5, J6)	IP40	IP40	IP65		
Clean Class			Class10			
Environment Requirements	Ambient Temperature	5 to 40°C				
	Humidity Range	5 to 90% (non-condensing)				
Weight		34 kg				
cULus Compliant		(Yes) *1				
Basic configuration	Controller	eMotionBlox-60R				
	On-board I/O (Input/Output)	12/8				
	Conveyor tracking input	2				
	RS-232C serial communications port	1				
	Programming environment	ACE, PackXpert, ePLC				
	ACE Sight	Yes				
	ePLC Connect	Yes				
	ePLC I/O	Yes				
Connectable controller *2		eMotionBlox-60R, SmartController EX NJ/NX/NY Series *3				



**<sup>\*2.</sup>** Choose a controller to suit your application.

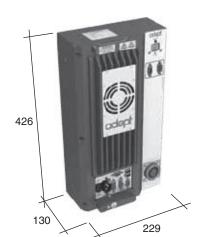
**<sup>\*3.</sup>** The robot version 2.3.C or later is required to connect with the NJ/ NX/NY Series.

Dimensions (Unit: mm)

# Viper 650

# 578.42 575.68 375 115 295 108 Point P R158.79 4 R158.79

#### eMotion Blox -60R

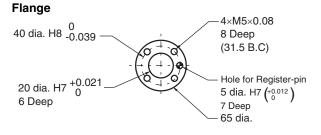


### Front panel

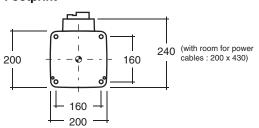




Workable space defined by point P



### **Footprint**



## **Robot Parts Code and Bundled Accessories**

Туре	Viper			Viper Add-On			
Cleanroom/IP	Standard	Cleanroom	IP54/65	Standard	Cleanroom	IP54/65	
Viper 650	17201-36000	17201-36020	17201-36010	17203-36000	17203-36020	17203-36010	
Overview	Robot + eMotionBlox60N amplifier with fully integrated controls			Robot + eMotionBlox60N + required connection cables			
Purpose	Typical for use in single robot system			Typically added to systems with an existing SmartController EX to create multi-robot systems			
Bundled Accessories	XSYS cable with jumpers, 1.8m/6ft (13323-000)     Front panel kit (90356-10358)     Arm power/signal cable, 4m (05020-000)			<ul> <li>XSYS cable with jumpers, 1.8m/6ft (13323-000)</li> <li>XSYS cable, 5m/15 ft (11585-000)</li> <li>DB9 splitter (00411-000)</li> <li>1394 latch cable, 5m/15 ft (13632-045)</li> <li>eV+ license to connect to controller (14529-103)</li> </ul>			