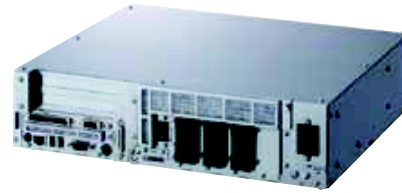


RC8



Specifications

Term		Specifications						
Applicable robots		VP-5243 / 6242	VS 050 / 060 / 050S2	VS 068 / 087	VS-6556 / 6577	VM-6083 / 60B1	HM-4*****	XR-43***
Power	Power supply	1.00kVA ¹	1.15kVA	2.78kVA	1.80kVA	3.30kVA	2.45kVA	1.85kVA
	Input voltage range	Three-phase 200 VAC -15% to 240 VAC +10% (100 V specification also available for the VP series.) Single-phase, 230 VAC -10% to 240 VAC +10% ¹						
	Power supply frequency	50Hz / 60Hz						
Power cable		5m						
Controllable axes		5 / 6	6				4	
Control method		PTP, CP 3-dimensional linear, 3-dimensional arc (PTP control only for additional axes)						
Drive method		All axes all digital AC servo						
Language used		DENSIO Robotics language (PacScript)						
Memory capacity		User area Variable area: 1.75 MB (32,766 points equivalent), file area: 400 MB (5,000 steps × 256 files)						
Teaching system		1) Remote teaching 2) Numerical entry (MDI) 3) Direct teaching (HS series and HM series only)						
External signal (I/O, etc.)	Universal / dedicated I/O	Mini I/O	Input: User open 8 points + system fix 14 points (the safety I/O less version has system fix 13 points) ² Output: User open 8 points + system fix 16 points (the safety I/O less version has system fix 12 points)					
		Hand I/O	Input: User open 8 points / Output: User open 8 points					
	Parallel I/O boards (option)		Bus: PCI Input: User open 40 points / Output: User open 48 points					
	DeviceNet slave board (option)		Bus: PCI Express Input: 256 points / Output: 256 points					
	CC-Link remote device board (option)		Bus: PCI Express Input: 128 points / Output: 128 points Remote registers Input: 256 points / Output: 256 points					
	PROFIBUS slave board (option)		Bus: PCI Express Input: 256 points / Output: 256 points					
	EtherNet / IP adapter board (option)		Bus: PCI Express Input: 4,032 points / Output: 4,032 points					
	PROFINET I/O device board (option)		Bus: PCI Express Input: 8192 points / Output: 8192 points					
EtherCAT slave board (option)		Bus: PCI Express Input: 2048 points / Output: 2048 points						
External communication		RS-232C: 1 line, EtherNet: 1 line (GbE: Gigabit EtherNet), USB: 2 lines, VGA: 1 line (option)						
Expansion slot		· PCI 1 slot · PCI Express 1 slot						
Self diagnosis function		Overrun, servo error, memory error, input error, short circuit detection (user wiring part), etc.						
Environmental condition (in motion)		Temperature: 0 to 40 degree C, Humidity: 20 - 90%RH (no condensation allowed.)						
Safety function		See the "options" on the list below.						
Protect grade		IP20						
Weight		Approx. 10kg ³						

1: Power for the 100 VAC specification is "Single-phase 100 VAC -5% to 110 VAC +10% 50/60 Hz, 1 kVA.

2: If the built-in safety I/O is not necessary for the standard specification, please specify a safety-I/O-less specification. 3: Does not include the supplied cables.

Options⁴

Controller Type	Safety function	Standard(s)	I/O type
Safety I/O-less	—	—	NPN/PNP

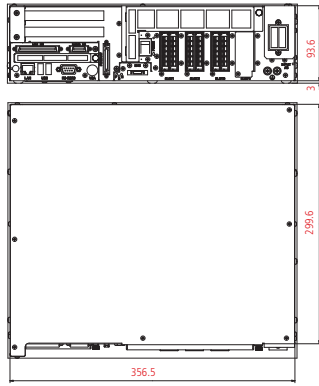
4: Specifications must be designated when placing an order. Specifications cannot be changed after shipment. Additional axis specifications are available for all controllers.

Legend

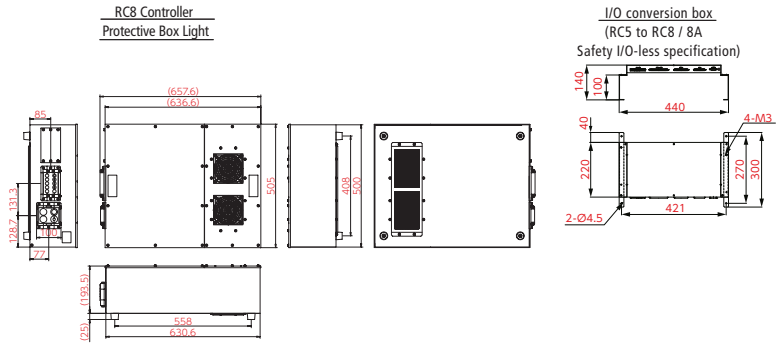
RC8 - - **NN** - - **NNN**

<p>Controller name</p>	<p>Robot type format: VPA0: VP-5243 / 6242 VSA3: VS050 / 060 / 050S2 VSA4: VS068 / 087 VSA0: VS-6566 / 6577 VMA0: VM series</p>	<p>HMA0: HM series XRA0: XR series S1A1: SC series (2-axis) S2A1: SC series (3-axis, 4-axis)</p>	<p>CPU: N: Standard E: Standard (In and after June 2020) *Due to CPU change. 7: High-spec CPU</p> <p>I/O type: M: Negative common (NPN) P: Positive common (PNP)</p>	<p>Compliant standard: NN: Safety-I/O-less specification (safety-I/O-less)</p>
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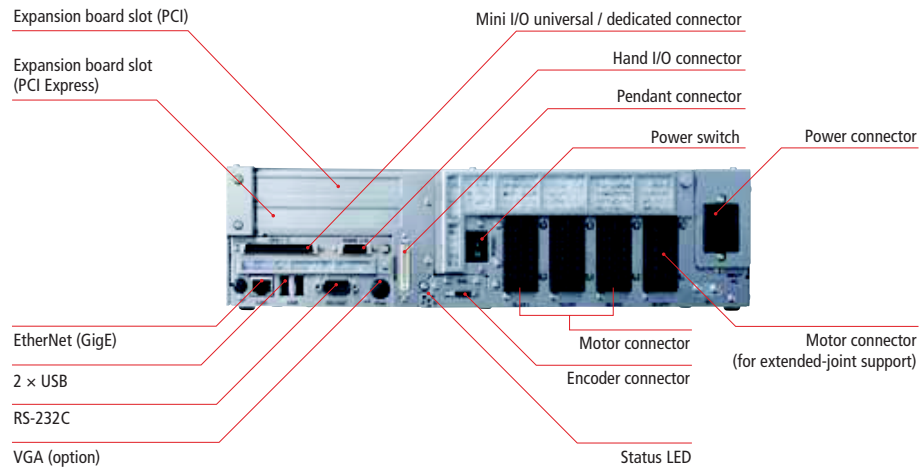
Safety I/O-less specification



Options



User interface



Optional systems diagram

