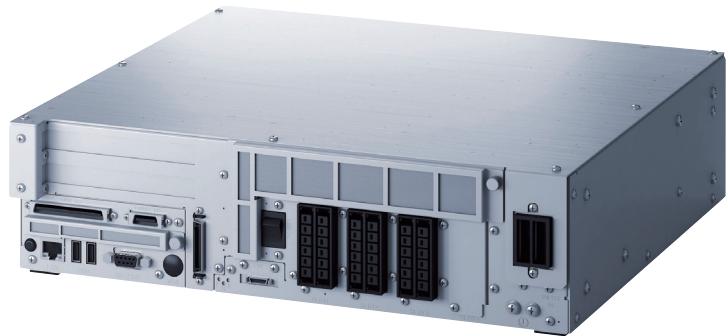


RC8A ROBOT CONTROLLER

The DENSO RC8A is 19 percent smaller and 17 percent lighter than the previous model, yet offers even higher performance levels.

Outstanding features include:

- World's smallest robot controller in the 3 kW output class
- Compact size saves valuable floor space, facilitates integration
- Footprint only 12.5 x 14 in (320 x 357 mm)*
- Weighs only 22 lbs (10 kg)**
- New Safety Motion function allows creation of virtual fences around robot, facilitating human-robot collaboration
- Built-in ORiN open-resource interface allows communication with more than 100 different types of devices
- Gigabyte Ethernet, mini/hand I/O, RS-232C and USB standard
- CC-Link, DeviceNet, EtherCAT, EtherNet/IP, parallel discrete I/O, Profibus, Profinet and more cards available***
- Microsoft Windows-based graphical user interface reduces robot setup time
- ISO and UL safety compliance allows global deployment

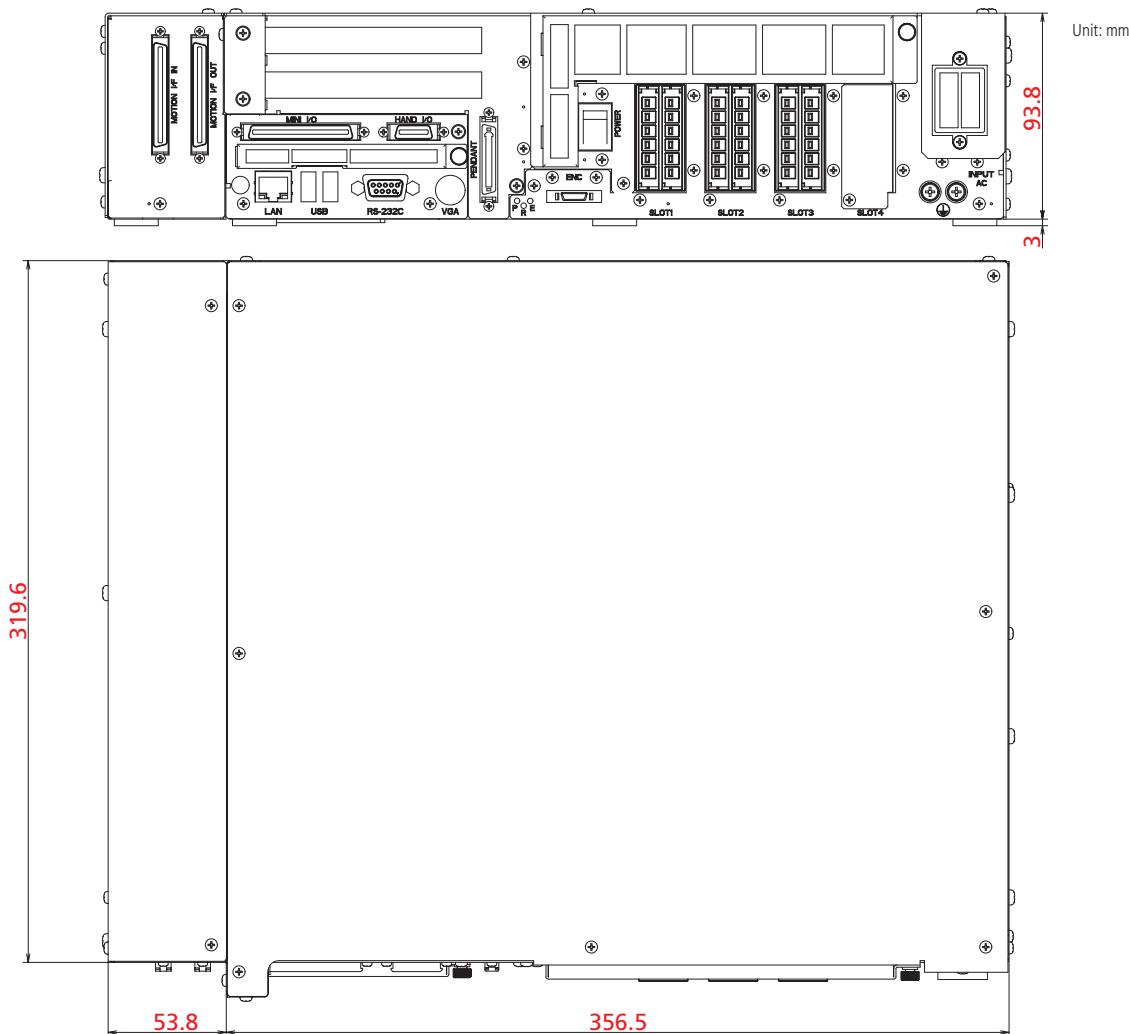


*RC8A Safety Motion type footprint 12.5 x 16 in (320 x 410 mm).

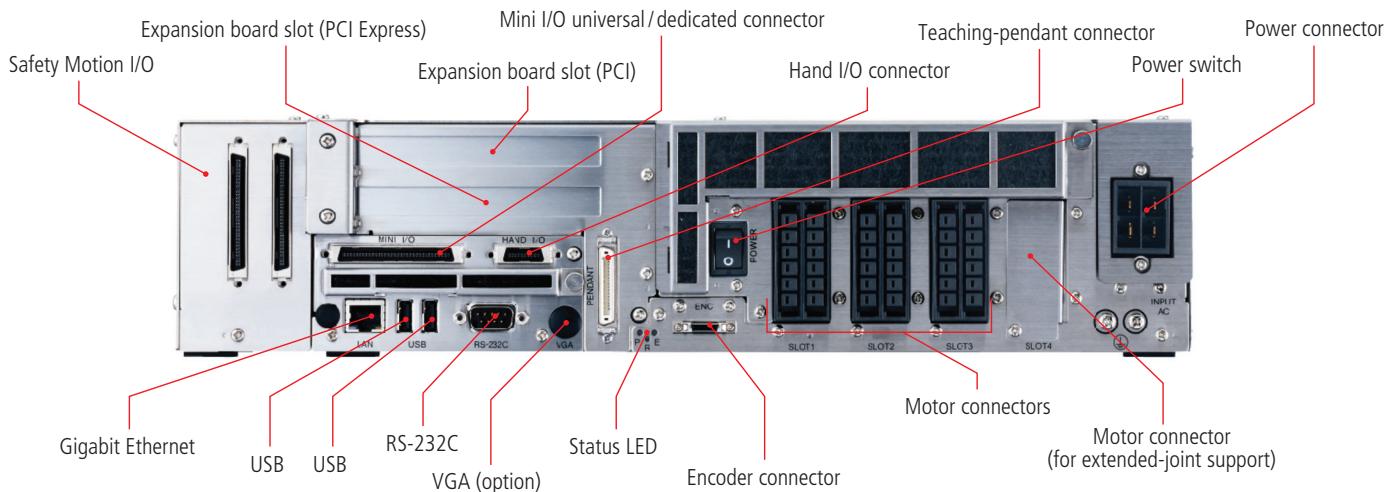
**RC8A Safety Motion type weighs 24 lbs (11 kg).

***Contact your local sales representative for a full list of cards available.

External Dimensions



RC8A ROBOT CONTROLLER



Specifications

| | VP -5243/6242 | VP -6242G2 | VS -050/060 | VS -068/087 | VM -6083/60B1 | HS -45*** | HM -4**** | XR -43*** ¹ | HSR | HS-A1 | | | | | | | | |
|---|---------------------------------------|--|--|----------------|------------------|----------------|--|---------------------------|------|-------|--|--|--|--|--|--|--|--|
| Power | Power supply (kVA) | 1.00 ¹ | 1.00 ¹ | 1.15 | 2.78 | 3.30 | 1.80 | 2.45 | 1.80 | 1.80 | | | | | | | | |
| | Input voltage range | Three-phase, 200 VAC -15% to 240 VAC +10% (100 V specification also available for VP series ¹) | | | | | Single-phase, 230 VAC -10% to 240 VAC +10% | | | | | | | | | | | |
| | Power supply frequency | 50/60 Hz | | | | | Single-phase, 230 VAC -10% to 240 VAC +10% | | | | | | | | | | | |
| Power cable | | | | | | | | | | | | | | | | | | |
| Controllable axes | | 5/6 ² | 6 ³ | | | 4 ² | | | | | | | | | | | | |
| Control method | | | | | | | | | | | | | | | | | | |
| Drive method | | | | | | | | | | | | | | | | | | |
| Language used | | | | | | | | | | | | | | | | | | |
| Memory capacity, user area | | | | | | | | | | | | | | | | | | |
| Teaching system | | | | | | | | | | | | | | | | | | |
| External signals (I/O, etc.) | Mini I/O | Standard type/Safety motion type | Input: User open 8 points + system fix 14 points / Output: 8 open user points + 17 fixed system points | | | | | | | | | | | | | | | |
| | | Safety I/O less type | Input: User open 8 points + system fix 13 points / Output: 8 open user points + 14 fixed system points | | | | | | | | | | | | | | | |
| | Hand I/O | | Input: User open 8 points / Output: User open 8 points | | | | | | | | | | | | | | | |
| | Motion I/O (Option) | | Input: Safety circuit signal: 30 points / Output: Safety circuit signal: 14 points | | | | | | | | | | | | | | | |
| | Parallel I/O Expansion Board (Option) | | Expansion slot: PCI / Input: 40 points / Output: 48 points | | | | | | | | | | | | | | | |
| | CC-Link Remote Device Board (Option) | | Expansion slot: PCI Express / Input: 8,192 points max. / Output: 8,192 points max. Remote register input: 2,048 words max. / Output: 2,048 words ³ | | | | | | | | | | | | | | | |
| | DeviceNet Slave Board (Option) | | Expansion slot: PCI Express / Input: 256 points max. / Output: 256 points max. | | | | | | | | | | | | | | | |
| | DeviceNet Master Board (Option) | | Expansion slot: PCI Express / Input: 1,024 points / Output: 1,024 points | | | | | | | | | | | | | | | |
| | EtherNet / IP Adapter Board (Option) | | Expansion slot: PCI Express / Input: 4,032 points max. / Output: 4,032 points max. | | | | | | | | | | | | | | | |
| | PROFIBUS Slave Board (Option) | | Expansion slot: PCI Express / Input: 256 points max. / Output: 256 points max. | | | | | | | | | | | | | | | |
| | PROFINET I/O Device Board (Option) | | Expansion slot: PCI Express / Input: 8,192 points max. / Output: 8,192 points max. | | | | | | | | | | | | | | | |
| | EtherCAT Slave Board (Option) | | Expansion slot: PCI Express / Input: 2,048 points max. / Output: 2,048 points max. | | | | | | | | | | | | | | | |
| External communication | | | | | | | | | | | | | | | | | | |
| Expansion slot | | | | | | | | | | | | | | | | | | |
| Self-diagnosis function | | | | | | | | | | | | | | | | | | |
| Environmental requirements (when operating) | | | | | | | | | | | | | | | | | | |
| Safety category | | | | | | | | | | | | | | | | | | |
| Protection class | | | | | | | | | | | | | | | | | | |
| Weight | | | | | | | | | | | | | | | | | | |

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

2. Up to two additional axes optional. Power modules, motors and cabling not included.

3. For Version 2.00.

4. Does not include supplied cables.

DENSO ROBOTICS

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Information subject to change without notice

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