


Environmental conditions (in operation)		Temperature: 0 to 40°C Humidity: 90% RH or less (no condensation allowed)	
Power source	VM-G series	Three-phase, 200 VAC -15% to 230 VAC +10%, 50/60 Hz, 3.3 kVA	
	VS-G series	Three-phase, 200 VAC -15% to 230 VAC +10%, 50/60 Hz, 1.9 kVA Single-phase, 230 VAC -10% to 230 VAC +10%, 50/60 Hz, 1.9 kVA	
	VP-G series	200 VAC type	Three-phase, 200 VAC -15% to 230 VAC +10%, 50/60 Hz, 1 kVA Single-phase, 230 VAC -10% to 230 VAC +10%, 50/60 Hz, 1 kVA
		100 VAC type	Single-phase, 100 VAC -10% to 110 VAC +10%, 50/60 Hz, 1 kVA
	HM-G series	Three-phase, 200 VAC -15% to 230 VAC +10%, 50/60 Hz, 2.5 kVA Single-phase, 230 VAC -10% to 230 VAC +10%, 50/60 Hz, 2.5 kVA	
	HS-G series	Three-phase, 200 VAC -15% to 230 VAC +10%, 50/60 Hz, 1.8 kVA Single-phase, 230 VAC -10% to 230 VAC +10%, 50/60 Hz, 1.8 kVA	
Degree of protection		IP20	
Weight (Mass)		4-axis standard type: Approx. 17 kg 6-axis standard type: Approx. 18 kg 4-axis global type (w/ safety board): Approx. 18 kg 6-axis global type (w/ safety board): Approx. 19 kg 4-axis global type (w/ safety box): Approx. 21 kg 6-axis global type (w/ safety box): Approx. 22 kg	

 **WARNING**

- **DO NOT touch fins. Their hot surfaces may cause severe burns.**
- **DO NOT insert fingers or foreign objects into openings. Doing so may cause bodily injury.**
- **Before opening the controller cover and accessing the inside of the controller for maintenance, be sure to turn off the power switch, disconnect the power cable, and wait 3 minutes or more. This is for protecting you from electric shock.**
- **DO NOT connect or disconnect connectors to/from the controller while the power switch is on. Doing so may cause electric shock or controller failure.**

 **CAUTION IN INSTALLATION**

- **This controller is not designed to be dust-proof, splash-proof, or explosion-proof.**
- **Read operation manuals before installation.**
- **Do not place anything on the controller.**

 **Caution:** The robot controller connectors are of a screw-lock type or ring-lock type. Lock the connectors securely. If even one of the connectors is not locked, weak contact may result thereby causing an error. Be sure to turn the robot controller OFF before connecting/ disconnecting the power connector or motor connector. Otherwise, the internal circuits of the robot controller may be damaged.

