

• STANDARD SPECIFICATIONS

2.2 Controller

The controller specifications are shown in Table 2.2.

Table 2.2 Controller standard specifications

Item		Standard specifications	Remarks
Type		CR-E116	
Path control method		PTP control, CP control	
No. of controllable axes		5 or 6 simultaneous axes	
CPU		Main CPU (32-bit RISC), servo CPU (DSP)	
Main function		Joint interpolation, linear interpolation, 3D circular interpolation, palletizing, interrupt control, condition branching, subroutine	
Memory capacity	No. of teaching points No. of program steps	For teaching playback method: total 2000 steps Note 1) For command method: Max. 999 teaching points/program Max. 4000 programs steps/program	The memory capacity is 62k bytes. The specification values on the left are a guideline, and may differ according to the conditions. Note 1) The interpolation, speed, input/output and timer condition settings are included in the steps.
	number of Programs	Max. 31 programs	
Programming method		Personal computer or teaching box	
Programming language		MOVEMASTER commands (Automatically generated when using teaching playback method.)	
Position teaching method		Combination of teaching box, teaching playback method using personal computer or MDI method.	Teaching box and personal computer software are options.
External Input / output	General purpose	20 input points, 16 output points	40 input points and 32 output points can be added.
	Exclusive	Assigned by user with general purpose input/output	
	Hand open/close	0 points (select either motorized or pneumatic hand with options.)	4 input points and 4 output points for hand open/close confirmation (For pneumatic hand interface)
	Emergency stop	1 point in controller (User wiring terminal block)	
Interface		1 RS-232-C port (for personal computer connection) 1 RS-422 port (for teaching box connection) 2 expansion slots 1 hand interface slot	
Ambient temperature		0 to 40 degrees.	
Ambient humidity		45 to 85 % without dew drop	With no dew condensation
Power source		Single-phase AC200V ±10%, 50/60Hz, 3KVA [Caution]	[Caution]
Grounding		Class 3 grounding	
Construction		Independent standalone type	Rack installation is possible with rack installation adaptor option
Outline dimension		Approx. 422W × 512D × 202H mm	
Weight		Approx. 265N {Approx. 27kgf}	

- The personal computer must be provided by the user.
- The grounding work is to be done by the user.

[Caution] Note that the power capacity (3KVA) does not include the rush current when the power is turned ON.