

## The differences of new model RDV-X/RDV-P from former model RDX/RDP

### Major Differences

- ▶ Operable with a single-phase power supply as the main power supply <sup>\*1</sup>
- ▶ The power input/motor output changed into a spring lock-type connector <sup>\*2</sup>
- ▶ The digital operator removed <sup>\*3</sup>
- ▶ The configuration software changed from TOP to RDV-Manager

\*1. Set parameter FA-07 to L123 if using a three-phase power supply as with a former model. The phase loss (power failure) detection will be enabled. The performance remains as good as former models when you use a single-phase power supply.

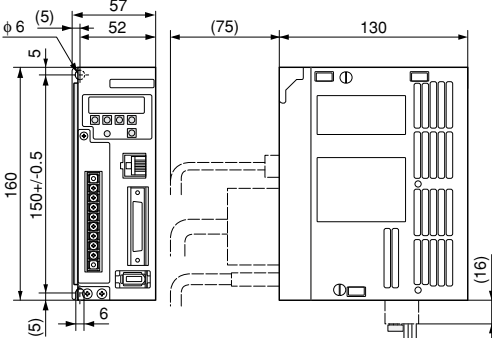
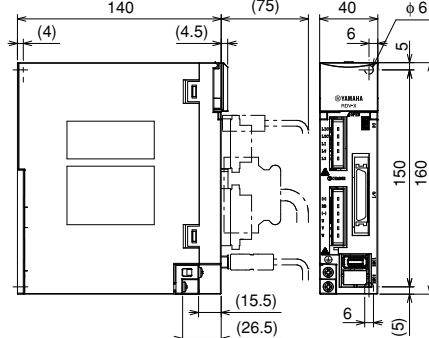
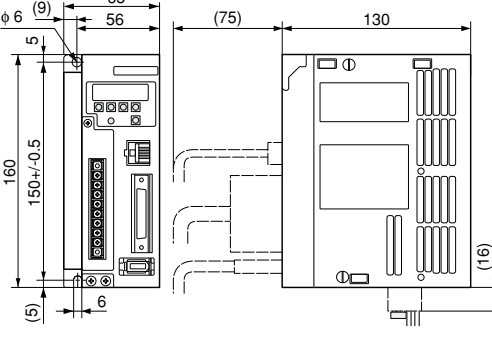
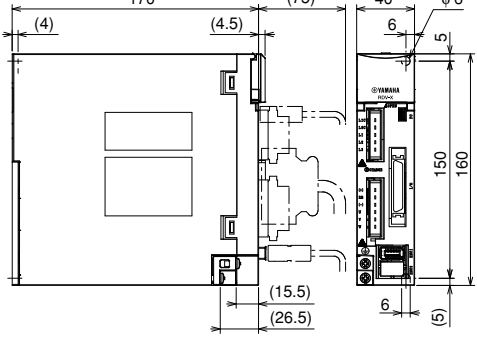
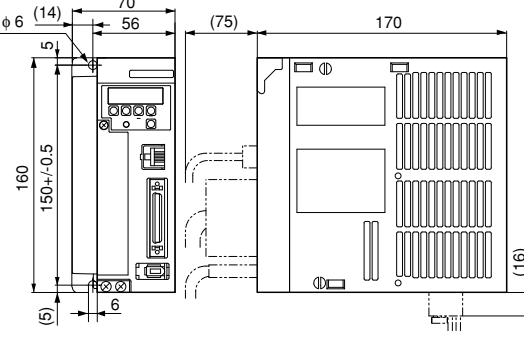
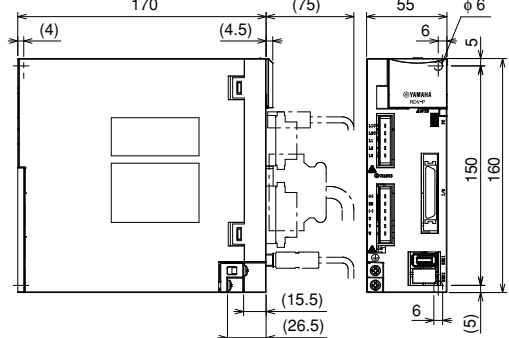
\*2. To replace a former model, it is necessary to remove the motor-cable insulation for assembly.  
 Motor connector: 06JFAT-SBXGF-I (J.S.T. Mfg. Co., Ltd.)

\*3. Operation with the display function only.

### Comparison of Functional Specifications

Item	Former Model RD Series RDX / RDP	New Model RDV Series RDV-X / RDV-P	Difference/Remark
Number of inputs	9	9	Fully compatible
Number of outputs	3	4 (ORG-S added)	Upward compatible (Return-to-origin completion signal added)
Command input	Line driver 2 Mpps	Line driver 2 Mpps	No change in circuit
Built-in operator	5-digit number indicator Key input × 5	5-digit number indicator Control power LED indicator	Input operation removed Display function only
Main power specifications	Three phase AC200 - 230V	Single/ three phase AC200 - 230V	Single-phase input supported
Main power connection terminal	Terminal block	European-type connector (Spring lock type)	Accessory
Control power connection terminal	European-type connector (Spring lock type) Connected on the bottom of the main body		
Motor output connection terminal	Terminal block	European-type connector (Spring lock type)	The terminal needs modification to replace a former model
PC connection	RS-232C (Max38.4kbps) Dedicated cable	USB 2.0 Full Speed (12Mbps) USB cable mini-B	USB-M53 (Elecom) recommended
Setup software	TOP	RDV-Manager	Windows Vista, 7, 8, and 8.1 supported

## Comparison of External Dimensions

	Former Model RD Series	New Model RDV Series
<b>100W 200W</b>	<p><b>RDX-05/10</b> <b>RDP-05/10</b></p> 	<p><b>RDV-X205/210</b> <b>RDV-P205/210</b></p> <p style="background-color: #008000; color: white; border-radius: 15px; padding: 5px; display: inline-block;">-24.4 % in volume ratio</p> 
<b>400W</b>	<p><b>RDX-20</b> <b>RDP-20</b></p> 	<p><b>RDV-X220</b> <b>RDV-P220</b></p> <p style="background-color: #008000; color: white; border-radius: 15px; padding: 5px; display: inline-block;">-19.5 % in volume ratio</p> 
<b>750W</b>	<p><b>RDP-25</b></p> 	<p><b>RDV-P225</b></p> <p style="background-color: #008000; color: white; border-radius: 15px; padding: 5px; display: inline-block;">-21.4 % in volume ratio</p> 

\* The fastening-hole pitches are compatible (150 mm). **The hole patterns are horizontally symmetrical.**

\* Temperature or output derating will enable devices to be arranged side by side. (Use devices at the ambient temperature of 55°C ⇒ 45°C or lower or with the effective load rate of 75% or lower.) The maximum usable temperature is changed from +40°C to +55°C. The actual arrangement of devices will allow side by side placement when replacing them.