**YAC100 controller specifications**

- **Configuration**: Standard: IP20 (open structure)
- **Dimensions**: 470 mm (W) × 420 mm (D) × 200 mm (H) (Protrusions are not included.)
- **Mass**: 20 kg
- **Cooling System**: Direct cooling
- **Ambient Temperature**: During operation: 0˚C to +40˚C
  During storage: -10˚C to +60˚C
- **Relative Humidity**: 90% max. (non-condensing)
- **Power Supply**: Single-phase 200/230 VAC (+10% to -15%), 50/60 Hz
  Three-phase 200/220 VAC (+10% to -15%), 50/60 Hz
- **Cooling System**: Direct cooling
- **Ambient Temperature**: During operation: 0˚C to +40˚C
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**Optimum controller for handling and assembly**

The YAC100 is a compact controller with improved performance and functions optimized for handling and assembly.

- Fits in a 19-inch rack and can be installed under conveyors.
- Commands specifically designed for workpiece handling with synchronized conveyors.

**Hardware Options**

- External axis (max.: 2 axes)
- I/O module (28 points, NPN or PNP)
- Major fieldbus interface boards DeviceNet™ (master/slave), CC-Link (slave), PROFIBUS (slave), EtherNet/IP™ (slave, I/O communications), EtherCAT (slave)

**Optional Functions**

- Conveyor synchronization
- Vision function
- External reference point control
- Software pendant

**Regarding the concurrent I/O ladder program**

The YAC100 controller is equipped with an NPN (or PNP) for standard I/O. Dedicated input/output is assigned to this standard I/O board. For this reason, if dedicated input/output is to be assigned to various types of field bus, concurrent I/O ladder program settings must be made.

Sample programs can be downloaded from our website. Note http://global.yamaha-motor.com/business/robot/

Note. The member site requires registration.

**MotoSim EG-VRG for YAMAHA**

Virtual programming before the actual line is completed allows major reduction in line startup time.

- **Modeling layout**
  Models of workers and workpieces can be easily laid out.
- **Intuitive control of models**
  Models can be moved intuitively, simply by using the mouse.
- **Programming and debugging**
  Automatic generation of robot operating programs, job editing, and job analysis can be performed easily.