



200 V Single-Phase
0.1 kW to 2.2 kW

200 V Three-Phase
0.1 kW to 5.5 kW

400 V Three-Phase
0.2 kW to 5.5 kW

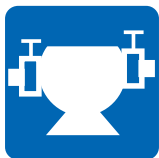
Inverter Series Compact Inverter Drive

- ▶ **Excellent motor drive performance:**
J1000 is a compact size inverter drive running induction motors. It meets all automation requirements for compact applications with variable speed operation and energy saving characteristics.
- ▶ **Fast stop without braking resistor:**
Overexcitation braking can reduce the fast stop time down to 50% compared to normal deceleration without using a braking resistor.
- ▶ **High torque performance:**
Detects load and automatically adjusts torque regardless the actual speed conditions.
- ▶ **Space saving and compact set-up:**
Outstanding power to size ratio and gapless side-by-side installation reduce the mounting space to a minimum.
- ▶ **Small design - Big power:**
J1000 can handle 150% overload for 1 minute to satisfy heavy duty applications. In normal duty mode it runs a one size larger motor and contributes to small and cost effective machine design.
- ▶ **Reliable operation:**
Long life design for 10 years of maintenance-free operation.
- ▶ **Easy and time-saving start-up:**
J1000 automatically sets parameters needed for major applications. The same easily understandable parameter structure like in other YASKAWA 1000 series drives allows hassle free setup in shortest time.

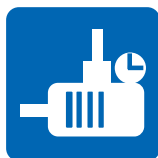
Applications



Fan



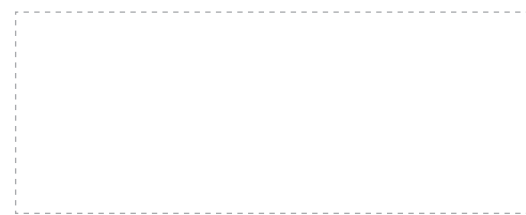
Pump



Compressor



Conveyor



Standard Specifications



Inputs

- ▶ 5 Multi functional digital inputs
Sinking/Sourcing mode selectable
- ▶ Multi functional analog input
A1: -10/0 ... 10 V or 0/4 ... 20 mA selectable

Outputs

- ▶ Fault output
Relay / changeover contact programmable
30 VDC 10 mA ... 1A
250 VAC 10 mA ... 1A
- ▶ 1 Analog output
programmable 0 ... +10 V / 2 mA, res. 1/1000

optional: MEMOBUS/Modbus, RS232,
 RS422/RS485 up to 115.2 kBaud,
 Termination resistor (120 Ω) switchable

Features

- ▶ V/f Control
- ▶ Built in braking chopper
- ▶ Kinetic energy buffering for riding through short power supply interruptions
- ▶ Speed search for catching coasting motors
- ▶ Swing PWM reduces motor audible noise

Options

- ▶ Parameter copy unit
- ▶ LED remote operator
- ▶ Speed potentiometer

International Standards



RoHS Directive

RoHS Directive stands for the EU directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment