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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
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Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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Find the *Bonfiglioli Vectron ACT 201-13FA* at our website: *Click HERE*

The Bonfiglioli Active Series contains flexible frequency inverters that are both versatile and easy to use. This product features high performance control and unbeatable advantages in scalability and compact size.

Download documents

Find your contact

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Specifications

- **Types & powers (ACT401)**

ACT401 - 07 | 0.75
ACT401 - 09 | 1.10
ACT401 - 11 | 1.50
ACT401 - 12 | 1.85
ACT401 - 13 | 2.20
ACT401 - 15 | 3.00
ACT401 - 18 | 4.00
ACT401 - 19 | 5.50
ACT401 - 21 | 7.50
ACT401 - 22 | 9.20
ACT401 - 23 | 11.00
ACT401 - 25 | 15.00
ACT401 - 27 | 18.50
ACT401 - 29 | 22.00
ACT401 - 31 | 30.00
ACT401 - 33 | 37.00
ACT401 - 35 | 45.00
ACT401 - 37 | 55.00
ACT401 - 39 | 65.00
ACT401 - 43 | 75.00
ACT401 - 45 | 90.00
ACT401 - 47 | 110.00
ACT401 - 49 | 132.00

- **Types & powers (ACT201)**

Type | Power kW*
ACT201 - 05 | 0.55
ACT201 - 07 | 0.75
ACT201 - 09 | 1.10
ACT201 - 11 | 1.50
ACT201 - 13 | 2.20
ACT201 - 15 | 3.00
ACT201 - 18 | 4.00
ACT201 - 19 | 5.50
ACT201 - 21 | 7.50
ACT201 - 22 | 9.20

- **Main options**

DC 24 V power supply output
•EM-IO-01: Expansion for 3 digital inputs, 2 relay outputs, 1 analog input, 1 analog output, system bus connection, DC 24 V power supply output
• EM-IO-02: Expansion for 3 digital inputs, 1 relay output, 1 analog input, 1 analog output, motor-PTC input, system bus connection, DC 24 V power supply output
• EM-IO-03: Expansion for 2 digital inputs, 1 relay output, 1 analog input, 2 analog outputs, motor-PTC input, system bus connection, DC 24 V power supply output
• EM-IO-04: Expansion for 2 digital inputs, 1 digital port (input or output), motor-PTC input, system bus connection, DC 24 V power supply output

Optional encoder & feedback evaluation:
• EM-ENC-01: TTL/HTL encoder input (2 channels), encoder emulation output (2 channels), 1 analog input, system bus connection, DC 5 V power supply output
• EM-ENC-02: TTL/HTL encoder input (2 channels), 1 digital port (input or output), 1 analog input, 1 analog output, system bus connection, DC 5 V power supply output
• EM-ENC-03: TTL/HTL encoder input (2 channels), system bus connection
• EM-ENC-04: TTL/HTL encoder input (3 channels), 1 relay output, 1 analog input, 1 analog output, 24 V power supply output, DC 5 V power supply output
• EM-ENC-05: TTL/HTL encoder input (3 channels), 1 analog input, 1 analog output, system bus connection, 24 V power supply output, DC 5 V power supply output
• EM-RES-01: Resolver input, encoder emulation output (2 channels), 1 analog input, system bus connection
• EM-RES-02: Resolver input, encoder emulation output (3 channels), 1 analog input

Optional PC software
VPlus for Windows with setup, terminal monitor, actual value window, and scope function

Accessories:
• Brake resistors Type BR: The brake resistors offer an inexpensive solution to dissipate generator power that occurs at deceleration. A thermal sensor for the brake resistor protects the resistor from overheating.
• Power choke type LCVS & LCVT: Power choke types LCVS (for single-phase power installation) and LCVT (for three-phase power installation) increase the overvoltage protection of the inverter and increase the system's EMC.
• Power filters type FTV: Depending on the application boundaries, certain EMC levels must be achieved. The power filters are a component to improve EMC behavior in a machine installation.

- **Degree of protection**

IP20 (EN 60529)

- **Rated speed**

0...599 Hz

- **Certifications**

- **Conformity**

  CE
  EN61800

- **Power supply & Power range**

  ACT401:
  0.55 - 132 kW / three-phase 360 - 480V / 50 - 60 Hz (± 10%)

  ACT201:
  0.55 - 9.2 kW / single or three-phase 200 - 240V / 50 - 60 Hz (± 10%)

- **Hardware features**

  • Integrated dynamic braking module
  • DC link connection
  • Standard HTL encoder interface
  • Motor temperature monitoring
  • Plug-in power terminals (up to 3kW)
  • Plug-in and programmable control terminals
  • 6 digital input, 1 multifunction input
  • 1 digital output, 1 multifunction output
  • 1 relay output (changeover contact)

- **Software features**

  Main software features
  • Programmable reference value channel
  • Programmable start and stop characteristics
  • Motor potentiometer
  • Programmable S curve
  • 4 data sets
  • Auto startup and commissioning
  • Auto reset after failure
  • Auto start after power failure
  • PL controller
  • Programmable logic and timer functions
  • Volume flow control
  • Bumpless torque/speed changeover,
  • Master/slave function with electronic gear,
  • Simple positioning function,
  • Mechanical brake control free of friction
  • Index control
  • Intelligent current limits
  • Power failure control
  • Comprehensive monitoring and protection capabilities
  • High speed control
  • Functions for lift, crane and winch applications
  • 3 different brake management functions.

- **Mounting options**

  • Cabinet mounting for all sizes
  • Optional feed-through mounting
  • Optional DIN rail mounting frame size 1
  • Optional ColdPlate mounting

- **Motors**

  • Motor compatibility
  • Two types of motors:
  • Asynchronous AC motors
  • Permanent magnet synchronous (brushless) motors

Key features

Field-oriented control with or without encoder

Applications

Scroll

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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