

FANUC VFAS3-4150PC Manual

Brand	FANUC
Product Series	FANUC
Product Type	-

Description

VFAS3-4150PC

Toshiba AS3 series AC high-performance drive, UL Type 1, 460 VAC, 20hp with 3-phase input, V/Hz, FOC, encoder or torque mode, A3 frame, Ethernet and RS-485, integrated dynamic braking. Optional EtherCAT, encoder and I/O cards available.

Product Attribute Table

To search for items with similar technical attributes, check the box in front of those attributes for which you would like to see similar items. Then click the button below. Technical Attributes

Brand Toshiba

Item Drive

Controller Type High-performance
Series AS3

Voltage Type AC

Nominal Drive Input Voltage 460 VAC

Nominal Drive Output Voltage 460 VAC

Number of Input Phases 3

Number of Output Phases 3

Horsepower By Input Phase 20hp with 3-phase input

Amperage Rating 31.7A

Variable Torque Amperage Rating 39.2A

Control Mode V/Hz, FOC, encoder or torque

Integrated EMI Filter Yes

Safe Torque Off (STO) Yes

Temperature Rating -15 to 50 deg C

Enclosure Type UL Type 1

IP Rating IP20

Mounting Panel or wall

Frame Size A3

Dynamic Braking Integrated dynamic braking

Communication Port and Connection Type(s)

(2) Ethernet (RJ45)

(1) RS-485 (RJ45)

Port Protocol(s)

EtherNet/IP

webserver (non-secure HTTP)

Modbus RTU Slave

Modbus TCP

Port Speed(s)

10/100 Mbps

up to 38.4k baud

www.AutoDCSTech.com

Input Signal 4-20 mA, voltage, potentiometer or pulse train input
Output Type PWM output
Reverse Capability Built-in
Internally Bypassed No
Carrier Frequency Range 1-16 kHz
Output Frequency Range 0.1-590 Hz
Number of Analog Input Channels 3
Number Of Input Channels 3
Analog Input Signal Type Current/voltage
Number of Non-Isolated Analog Input Commons 1
Number of Points per Analog Input Common 3
Input Resolution 11-bit
Input Current Signal Range 0-20 mA and 4-20 mA
Input Voltage Signal Range +/- 10 VDC
Number of Analog Output Channels 2
Number Of Output Channels 2
Analog Output Signal Type Current/voltage
Number of Non-Isolated Analog Output Commons 1
Number of Points per Analog Output Common 2
Output Resolution 10-bit
Output Current Signal Range 0-20 mA and 4-20 mA
Output Voltage Signal Range 0-10 VDC
Number of Discrete Input Points 8
Nominal Discrete Input Voltage 24 VDC
Discrete Input Type Sinking/sourcing
Number of Non-Isolated Discrete Input Commons 2
Number of Points per Discrete Input Common 4
Number of Discrete Output Points 3
Nominal Discrete Output Voltage 250 VAC and 30 VDC
Discrete Output Type Relay
Relay Configuration (1) Form C (SPDT) relay, (2) Form A (SPST) relays
Number of Isolated Discrete Output Commons 3
Number of Points per Discrete Output Common 1
Load Current 2A/point relay
Fuse Type User-supplied external fuse
Programming Language User sequence
Connector Type Screw terminals
For Use With 3-phase induction and permanent magnet AC motors
Includes DC reactor (built-in), EMC filter (built-in) and conduit box
Additional Information Optional EtherCAT, encoder and I/O cards available.
Dangerous Goods
Battery Installed: Yes
Packaging Instructions: 970
UN Number: UN3091
Hazard Type: Lithium Batteries
Battery Type: Button
Lithium Content: 0.06
Replacement Battery: D0-MC-BAT
Generic Battery: CR2032

Technical Specifications

Brand:
TOSHIBA
Product Condition:
New
Horsepower Rating:
25 HP
HP Rating @ 120% OL:
25 HP
HP Rating @ 150% OL:
20 HP
Amp Rating @ 120% OL:
39.2 A
Amp Rating @ 150% OL:
31.7 A
Rated Voltage:
460 V
Output Voltage:
460 V
Output Amperage Rating:
39.2 A
Phase Rating:
3 Phase Input - 3 Phase Output
Enclosure Rating:
UL Type 1
Series:
AS3
Phase:
Three Phase
Rated Amps:
39.2 A
Height:
21.80 in
Width:
8.30 in
Depth:
9.20 in

www.AutoDCSTech.com

Technical Specifications

Brand:
TOSHIBA
Product Condition:
New
Horsepower Rating:
25 HP
HP Rating @ 120% OL:
25 HP
HP Rating @ 150% OL:
20 HP
Amp Rating @ 120% OL:

39.2 A

Amp Rating @ 150% OL:

31.7 A

Rated Voltage:

460 V

Output Voltage:

460 V

Output Amperage Rating:

39.2 A

Phase Rating:

3 Phase Input - 3 Phase Output

Enclosure Rating:

UL Type 1

Series:

AS3

Phase:

Three Phase

Rated Amps:

39.2 A

Height:

21.80 in

Width:

8.30 in

Depth:

9.20 in

www.AutoDCSTech.com