# GV50-460-011A-T1F Cut Sheet

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DURApulse GV50 series AC fan/pump drive, UL Type 1, 460 VAC, 5 hp with 3-phase input, SVC, V/Hz or FOC mode, A2 frame, RS-485. Optional communication and I/O modules available.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/GV50-460-011A-T1F

## Technical Specifications

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|---|---|
| **Brand** | DURApulse |
| **Item** | Drive |
| **Controller Type** | Fan/pump |
| **Series** | GV50 |
| **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** | 5 hp with 3-phase input |
| **Amperage Rating** | 11A |
| **Variable Torque Amperage Rating** | 11A |
| **Control Mode** | SVC, V/Hz or FOC |
| **Integrated EMI Filter** | Yes |
| **Safe Torque Off (STO)** | Built-in |
| **Temperature Rating** | -20 to +45 °C |
| **Enclosure Type** | UL Type 1 |
| **IP Rating** | IP20 |
| **Mounting** | Panel or wall |
| **Frame Size** | A2 |
| **Communication Port and Connection Type(s)** | (2) RS-485 (RJ12) |
| **Port Protocol(s)** | • Modbus RTU<br>• Modbus ASCII<br>• BACnet |
| **Port Speed(s)** | up to 115.2k baud |
| **Input Signal** | 4–20 mA, voltage or potentiometer input |
| **Output Type** | PWM output |
| **Reverse Capability** | Built-in |
| **Internally Bypassed** | No |
| **Carrier Frequency Range** | 2–15 kHz |
| **Output Frequency Range** | 0.1–599 Hz |

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| **Number of Analog 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** | 12-bit |
| **Input Current Signal Range** | 0–20 mA and 4–20 mA |
| **Input Voltage Signal Range** | 0–10 VDC |
| **Number of Analog 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** | 12-bit |
| **Output Current Signal Range** | 0–20 mA and 4–20 mA |
| **Output Voltage Signal Range** | 0–10 VDC |
| **Number of Discrete Input Points** | 6 |
| **Nominal Discrete Input Voltage** | 24 VDC |
| **Discrete Input Type** | Sinking/sourcing |
| **Number of Non-Isolated Discrete Input Commons** | 1 |
| **Number of Points per Discrete Input Common** | 6 |
| **Number of Discrete Output Points** | 4 |
| **Nominal Discrete Output Voltage** | 240 VAC and 24 VDC |
| **Discrete Output Type** | Relay/sinking/sourcing |
| **Relay Configuration** | (1) Form C (SPDT) relay, (1) Form A (SPST) relay |

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| **Number of Non-Isolated Discrete Output Commons** | 1 |
| **Number of Isolated Discrete Output Commons** | 2 |
| **Number of Points per Discrete Output Common** | 2 |
| **Load Current** | 3A/point relay-resistive, 1.2A/point relay-inductive, 25 mA/point discrete, 50 mA pulse |
| **Fuse Type** | User-supplied external fuse |
| **Programming Language** | Ladder |
| **Connector Type** | Screw terminals |
| **For Use With** | 3-phase induction motors |
| **Additional Information** | Optional communication and I/O modules available |

## Agency Approvals

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|---|---|
| **EU REACH** | View EU REACH document |

## Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/2d/GV50-460-011A-T1F.pdf
See store item page for other formats.