

V100 HVAC Variable Speed Drive

Description

The V100 HVAC is a dedicated drive designed to work with heating, ventilation and air conditioning systems. This drive is easy to install and features a trouble-free set up which ensures it is fast and efficient to commission. It incorporates thin film capacitors to maintain a smaller drive size and has significant energy saving benefits such as speed reduction, soft start and real time clock functions.

Features

- User friendly interface with start-up wizard for quick and easy configuration
- Built-in EMC filter to remove electromagnetic interference and lower harmonic levels
- Modbus RTU, Metasys N2 and BACnet via RS485 is standard
- BACnet IP and Modbus TCP via Ethernet is standard
- Integrated 2 x PID controllers provide smooth variable speed control
- Fire mode activation with manual/automatic shut-off modes of operation
- Real time clock with battery backup

Standard I/O

- 6 x Digital input
- 2 x Analogue input
- 1 x Digital output
- 1 x Analogue output
- 3 x Relay output

Testing

Harmonics Standard IEC 61800-3-12

EMC Standard EN61800-3 Category C2

Technical data

Model	Input / Output	Motor kW @ 40°C	Amps @ 40°C	Frame size	Protection Class	Dimensions W x H x D (mm)	Wt. kg
V01003L00034HVACIP54	3 phase / 3 phase	1.1	3.4	MR4	IP54	128 x 328 x 190	6.0
V01003L00044HVACIP54		1.5	4.8				
V01003L00054HVACIP54		2.2	5.6				
V01003L00084HVACIP54		3.0	8.0				
V01003L00094HVACIP54		4.0	9.6				
V01003L00124HVACIP54		5.5	12.0				
V01003L00164HVACIP54		7.5	16.0	MR5		144 x 419 x 214	10.0
V01003L00234HVACIP54		11.0	23.0				
V01003L00314HVACIP54		15.0	31.0				
V01003L00384HVACIP54		18.5	38.0	MR6		195 x 557 x 229	20.0
V01003L00464HVACIP54		22.0	46.0				
V01003L00614HVACIP54		30.0	61.0				
V01003L00724HVACIP54		37.0	72.0	MR7		237 x 660 x 259	37.5
V01003L00874HVACIP54		45.0	87.0				
V01003L01054HVACIP54		55.0	105.0				
V01003L01404HVACIP54		75.0	140.0	MR8		290 x 966 x 343	70.0
V01003L01704HVACIP54		90.0	170.0				
V01003L02054HVACIP54		110.0	205.0				
V01003L02614HVACIP54		132.0	261.0	MR9		480 x 1150 x 365	108.0
V01003L03104HVACIP54		160.0	310.0				