

VACON 100 HVAC VARIABLE SPEED DRIVE



DESCRIPTION

The Vacon 100 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 which help to maintain a smaller drive size and eliminate shelf or standby issues. The Vacon 100 also saves significant energy through cooling fan speed reduction. The drive control features 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.
- HVAC fire mode with quick start wizard is standard.
- Real time clock with optional battery backup.
- DC choke is standard.

Testing

Harmonics Standard IEC 61800-3-12
EMC Standard EN61800-3 Category C2

Wiring Diagram

Please refer all enquires to Fantech sales engineers.

TECHNICAL DATA

Model	Input / Output	Motor kW @ 40°C	Amps @ 40°C	Frame Size	Protection Class	Dimensions, mm	Weight, kg.
V01003L00035H	3 phase / 3 phase	1.1	3.4	MR4	IP54	128W x 328H x 190D	6.0
V01003L00045H		1.5	4.8				
V01003L00055H		2.2	5.6				
V01003L00085H		3.0	8.0				
V01003L00095H		4.0	9.6				
V01003L00125H		5.5	12.0				
V01003L00165H		7.5	16.0	MR5		144W x 419H x 214D	10.0
V01003L00235H		11.0	23.0				
V01003L00315H		15.0	31.0				
V01003L00385H		18.5	38.0				
V01003L00465H		22.0	46.0	MR6		195W x 557H x 229D	20.0
V01003L00615H		30.0	61.0				
V01003L00725H		37.0	72.0	MR7		237W x 660H x 259D	37.5
V01003L00875H		45.0	87.0				
V01003L01055H		55.0	105.0				
V01003L01405H		75.0	140.0	MR8		290W x 966H x 343D	70.0
V01003L01705H	90.0	170.0					
V01003L02055H	110.0	205.0	MR9	480W x 1150H x 365D	108.0		
V01003L02615H	132.0	261.0					
V01003L03105H	160.0	310.0					