

# VM600G

## Compact Variable Frequency Drive

VM600G is small and efficient, flexible installation is not limited, high cost performance and reliable algorithm and perfect protection function, suitable for most light load control occasions.



### Compact structure

- The product has a mini appearance, compact structure, and simpler installation space requirements
- Square appearance, convenient for multi-machine cabinet installation



### Easy to use

- Product installation is very convenient, compatible with screw installation and slide installation
- Product standard commonly set macro parameters to simplify on board debugging process



### Safety protection

- Comprehensive protection function, full dimension protection control system
- Terminal spacing strictly meets safety requirements and passes CE certification

1PH 200-240VAC 0.75-2.2kW  
3PH 380-480VAC 0.75-7.5kW

Product model	VM600G
Basic parameter performance	
Input voltage	1PH 200-240VAC, 3PH 380-480VAC, fluctuation range: -15%~+10%
Input frequency	50/60Hz±5%
Output voltage	0-Input voltage, Tolerance < 5%
Output frequency	0-1000Hz
Control characteristic parameter	
Control mode	V/F mode
Starting torque	0.5Hz 130%
Speed range	1:20
Speed stability accuracy	±1.0%
Carrier frequency	0.6kHz-15kHz
Overload capacity	150% rated current 60s, 180% rated current 1s
I/O terminal	
Input termianl	AI*1 DI*4
Output terminal	AO*1 Relay*1
Others	RS485*1 10V*1 24V*1
Basic function of product	
Run command channel	Three kinds of channels: 1. Operation keyboard 2. Control terminal 3. RS485 communication port, switchable by many ways
Frequency source	Data Setting/Panel pulse potentiometer/Analog voltage/Analog current/Serial communication etc. Shifting between different sources are available
DC braking function	DC braking frequency: 0-50Hz, braking time: 0-60s Braking action Current value: 0-150%
V/F curve	Straight line; 1.1-1.9 power; Square type; Custom V/F curve
Simple PLC, multi-speed	Up to 15 speed runs
Build-in PID	It is convenient to realize the closed-loop control system of process control
Protection function	Input and output phase loss protection, overcurrent protection, overvoltage protection, undervoltage protection, overheat protection, overload protection, power-on short circuit detection to the ground, etc
LED Dispalry	5 digit LED display
Parameter Lock function	The parameter read-only function can be set to prevent misoperations
Automatic voltage adjustment AVR	When the grid voltage changes, the output voltage can be kept constant automatically
Environment	
Place of use	Indoor and outdoor can be, to prevent rain directly, no corrosive/flammable gas,and etc.
Altitude	<1000m if>1000m, please derate 1% by every 100m rising
Ambient temperature	-10°C ~ + 50°C if exceeding 40°C, please derate 1% by every 1°C increasing
Humidity	≤95%RH, to avoid condensation
Vibration	< 5.9m/s <sup>2</sup> (0.6G)
Storage Temperature	-25°C ~ 60°C
Class of protection	IP20

Model Description

VM600G – 2 S 1R5 – E

Product series: VM600G

E: English standard

Voltage level: 2: 220V; 4: 380V

Suitable motor power: R is the decimal point;  
For example 1R5 stands for 1.5kW

Phase: S : Single phase; T : Three phase

VM600G

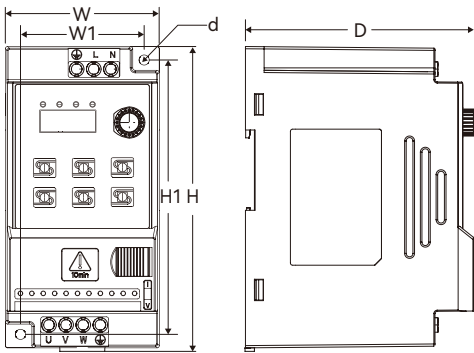
COMPACT VARIABLE  
FREQUENCY DRIVE



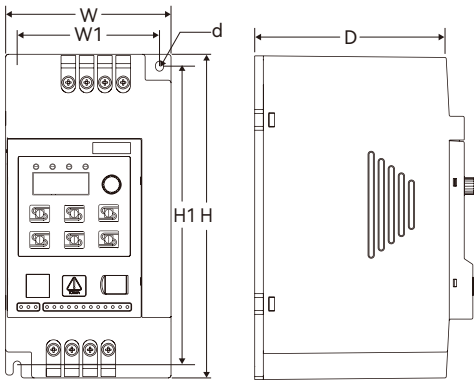
Selection List

Product model	Rated power (kW)	Power capacity (kVA)	Input current (A)	Output current (A)	Suitable motor B/P	
					kW	HP
1PH 200-240VAC Input, 3PH 0-220V Output						
VM600G-2SR75-E	0.75	1.5	8.2	4	0.75	1
VM600G-2S1R5-E	1.5	3	14	7	1.5	2
VM600G-2S2R2-E	2.2	4	23	9.6	2.2	3
3PH 380-480VAC Input, 3PH 0-380V Output						
VM600G-4TR75-E	0.75	1.5	3.4	2.5	0.75	1
VM600G-4T1R5-E	1.5	3	5	3.8	1.5	2
VM600G-4T2R2-E	2.2	4	5.8	5.1	2.2	3
VM600G-4T004-E	4	5.9	10.5	9	4	5.5
VM600G-4T5R5-E	5.5	8.9	14.6	13	5.5	7.5
VM600G-4T7R5-E	7.5	11	20	17	7.5	10

Size Specification (mm)



Product model	Dimensions			Installation		Hole
	H	W	D	H1	W1	d
VM600G-2SR75-E	142	72	116	130	59	5
VM600G-2S1R5-E						
VM600G-2S2R2-E						
VM600G-4TR75-E						
VM600G-4T1R5-E						
VM600G-4T2R2-E						



Product model	Dimensions			Installation		Hole
	H	W	D	H1	W1	d
VM600G-4T004-E	196	95	132	179	79	5.5
VM600G-4T5R5-E	225	115	154	208	99	5.5
VM600G-4T7R5-E						