

1100VAC Variable Speed Drive



Featuring....

- **Up to 250kW**
- **Simple installation to achieve desired IP rating**
- **Copper heat sink option**
- **Simple setup using standard drive controls**
- **24Vdc control supply**
- **Input & Output chokes**
- **Standard offering or customised solution**
- **Standard MSC-3 control & interface for ease of setup**
- **Motor Protection**

Ideal for....

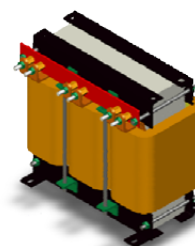
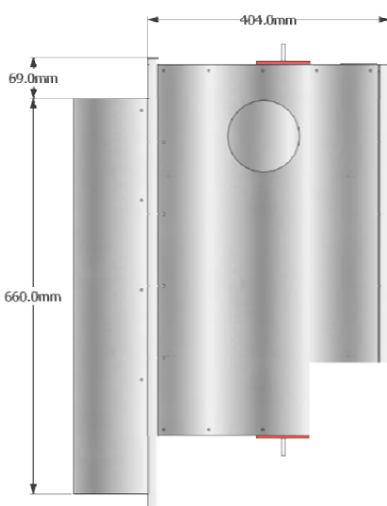
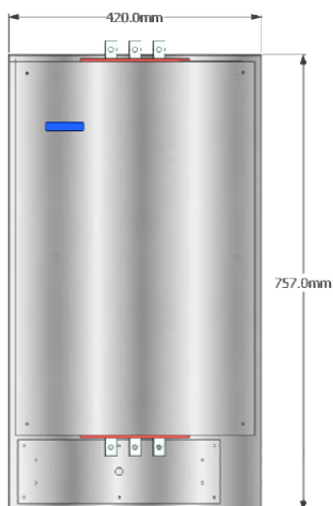
- ✓ **Pumps**
- ✓ **Fans & Blowers**
- ✓ **Conveyors**
- ✓ **Compressors**
- ✓ **Crushers & Mixers**

The ZENER MSC-3 is available in a range of voltages including 1100V. This means the simplicity and familiarity of the standard MSC-3 is extended across the full range of ZENER variable Speed Drives.

Using a Variable Speed Drives can provide many benefits such as energy savings, process automation, speed reduction and productivity improvements. A variable Speed Drive also provides a soft start, thus reducing excessive starting currents and mechanical stresses on the motor and load.

With direct control of the motor speed, the optimum speed of a process can be achieved and easily changed to suit changing load requirements.

Model	ZENER MSC-3 1100V		
Input Ratings	Nominal Supply Voltage	3 Phase, 1100Vac +20%, -30%	
	Nominal Supply Frequency	48-62Hz	
Output Ratings	Output Voltage	3 Phase, 0-1100Vac (+20%). the output voltage can not be higher than the input voltage	
	Output Frequency	0 - 150Hz	
	Switching Frequency	2kHz	
	Model: 3V2720	27Amps Continuous @ 40°C (37kW nom.)	1Module
	Model: 3V4120	41Amps Continuous @ 40°C (55kW nom.)	1Module
	Model: 3V5520	55Amps Continuous @ 40°C (75kW nom.)	1Module
	Model: 3V6620	66Amps Continuous @ 40°C (90kW nom.)	1Module
	Model: 3V8120	81Amps Continuous @ 40°C (110kW nom.)	1Module
	Model: 3V11120	111Amps Continuous @ 40°C (150kW nom.)	2Modules
	Model: 3V16220	162Amps Continuous @ 40°C (220kW nom.)	2Modules
	Resolution	0.1%	
	Linearity	0.2% of maximum frequency	
	Overload	150% for 60seconds, higher overloads on request.	
Environmental	Storage Temperature	-20°C to +70°C	
	Ambient Temperature	0 to +50°C (de-rating above 40°C)	
	Relative Humidity	5-95% Non Condensing	
	Altitude	Max 1000m	
Enclosure	IP Rating	IP00, Rear heat exchanger unit IP66	
	Cooling Method	Air cooled	
User Interface	Display	Plain English LCD display, user defined variable and display units	
	Local Controls	Up, Down, Enter, Escape, Sop/Reset, Remote/Local	
	Remote	Via control I/O or communications option	
Control I/O	Speed Reference	Local, Analogue input, Preset Speeds, Potentiometer, Motorized Pot, ESO	
	Analogue Inputs	1x (expandable to max.3) 0-10v, 0-5V, 0-20mA, 4-20mA	
	Digital Inputs	4x programmable, 1x Enable, (expandable to max.13, 12x prog.) +5Vdc; 5mA max.	
	Thermistor Input	Max. 2; Thermistor, micro-therm, thermal switch or thermal overload.	
	Analogue Output	Max. 2; with programmable functionality; 0-10v, 0-5V, 0-20mA, 4-20mA	
	Relay Output	2x (expandable to max.4) 2x Form C Outputs (SPCO) Resistive: 5A @ 250Vac / 30Vdc Inductive: 2A @ 250Vac / 30Vdc 2x Optional Resistive: 1A @ 30 Vac	



Choke
1x Input Choke per module
1x Output Choke per module
300mm(L) 230mm(W) 320mm(H)

1100V Drive Module

ROTOTECH

Call 1300 553 552

www.rototech.com.au