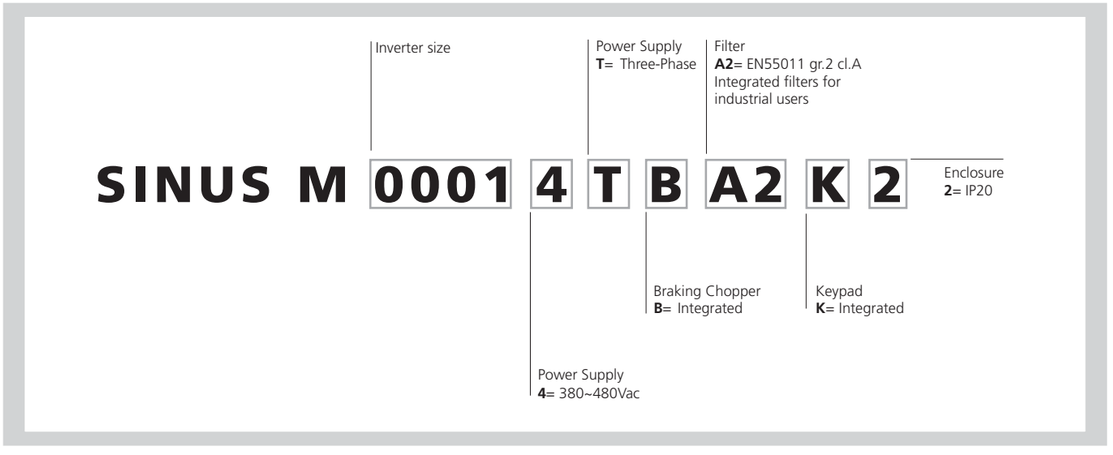
SINUS M



Sensorless vector control or V/F inverter for AC three-phase induction motors from 0.37 kW to 22.0 kW

- 380~480Vac power supply (three-phase input, three-phase output)
-Fully compatibility with Easy Harmonics, tool for the calculation of current harmonics
- Full compatibility with the "REMOTE DRIVE" software for remote control

Product selection chart



Technical features & highlights

- Power ranges:
  0.37~22 kW 380-480Vac, 3phase
- IP20 enclosure
- Built-in braking unit
- Possibility of connecting a DC choke in sizes 11kW to 22kW
- 2 Control modes: V/F and Sensorless Vector Control
- RS485 serial port with MODBUS RTU protocol
- Remotable smart keyboard
- Overload 150% of In for 60 sec
- Overload 200% for short time span
- Maximum torque 180% Tn
- Maximum output frequency 400Hz
- Anti-stalling and overvoltage trip prevention
- 8 speed sets
- 3 frequency jumps (skip)
- 8 NPN PNP programmable digital inputs
- 2 analog inputs 0-10Vdc and 4-20mA
- 1 programmable open-collector output
- 1 programmable relay output
- 1 analog output 0-10Vdc
- Adjustable carrier 1-15kHz
- Automatic and manual torque boost
- Speed search
- PID function
- "S" ramps
- Fire Mode function
- Draw function
- UP-DOWN function
- 2-phase PWM
- KEB (Kinetic Energy Buffering)
- External brake control
- INTEGRATED INPUT FILTERS, EMC EN61800-3, 2nd edition, FIRST ENVIRONMENT Category C1, EN55011 gr.1 cl. B, for residential and industrial environments

Options

- Remote keyboard operation kit (3 metres).
- EMC foot print filters EN 55011 Cl. B, public utility, FIRST ENVIRONMENT.
- Braking resistors.
- Relay for open-collector output.
- "Remote Drive" software.
- Converter for MODBUS/Profibus DP-CanBus-Device Net etc.
- RS485/USB converter

Model	Input Voltage	Motor power						Output Inom.	Imax. output 150% (60s)	Output Ipeak 200% (0.5s)	Dimensions	Weight
		200-230 Vac		380-415 Vac		440-460 Vac						
	Vac	kW	HP	kW	HP	kW	HP	A	A	A	WxHxD (mm)	kg
SINUS M 0001 4T BA2K2	3 φ 380 ~ 480V	-	-	0.4	0.5	0.4	0.5	1.25	1.87	2.5	70x128x130	0.76
SINUS M 0002 4T BA2K2	3 φ 380 ~ 480V	-	-	0.75-0.9	1-1.25	0.75-1.1	1-1. 5	2.5	3.75	5	70x128x130	0.77
SINUS M 0003 4T BA2K2	3 φ 380 ~ 480V	-	-	1.5	2	1.5-1.8	2-3	4	6	8	100x128x130	1.12
SINUS M 0005 4T BA2K2	3 φ 380 ~ 480V	-	-	2.2	3	2.2-3	3-4	6	9	12	140x128x155	1.84
SINUS M 0007 4T BA2K2	3 φ 380 ~ 480V	-	-	4-4.5	5.5-6	4-4.5	5.5-6	9	13.5	18	140x128x155	1.89
SINUS M 0011 4T BA2K2	3 φ 380 ~ 480V	-	-	5.5	7.5	5.5	7.5	12	18	24	180x220x170	3.66
SINUS M 0014 4T BA2K2	3 φ 380 ~ 480V	-	-	7.5	10	7.5-9.2	10-12.5	16	24	32	180x220x170	3.66
SINUS M 0017 4T BA2K2	3 φ 380 ~ 480V	-	-	11	15	11	15	24	36	48	235x320x189.5	9
SINUS M 0020 4T BA2K2	3 φ 380 ~ 480V	-	-	15	20	15	20	30	45	60	235x320x189.5	9
SINUS M 0025 4T BA2K2	3 φ 380 ~ 480V	-	-	18.5	25	22	30	39	58.5	78	260x410x208.5	13.3
SINUS M 0030 4T BA2K2	3 φ 380 ~ 480V	-	-	22	30	22	30	45	67.5	90	260x410x208.5	13.3