

STADT Sinus M

Sensorless vector control or V/F inverter

200-480 Vac Supply, Power Range 0,37-22kW



POWER TECHNOLOGY

www.stadt.no

Technical Information

- 0,37~22 kW 200-230 Vac, 1/3phase
- 0,37~22 kW 380-480 Vac, 3phase
- IP20 enclosure
- Built-in braking unit
- Possibility of connecting a DC choke in sizes
- 11 kW to 22 kW
- 2 Control modes: V/F and Sensorless Vector Control
- Serial port RS485 with protocol MODBUS RTU
- Remotable smart keyboard
- Overload 150% of I_n for 60 sec
- Overload 200% for short time span
- Maximum torque 180% C_n
- Maximum output frequency 400Hz.
- Anti-stalling and antitrip algorithm
- 8 speed sets
- 3 frequency jumps (skip)
- 8 NPN PNP programmable digital inputs
- 2 analog inputs 0-10 Vdc and 4-20 mA
- 1 programmable open collector output
- 1 programmable relay output
- 1 analog output 0-10 Vdc
- Adjustable carrier 1-15 kHz
- Incorporated braking unit
- Automatic and manual torque boost
- Speed search.
- PID function
- "S" ramps
- Fire Mode function
- Draw function
- Controllo di tiro (Draw function)
- UP-DOWN function
- 2-phase PWM
- KEB (Kinetic Energy Buffering)
- External brake control



Options

- Kit remote keyboard operation (3 m)
- Braking resistors.
- Analog converter V/I (0-10/4-20 mA).
- Relay for open collector output.
- "Remote Drive" software.
- Converter for MODBUS/Profi bus
- DP-CanBus-Device Net etc.
- RS485/USB converter

STADT AS, Molovegen 2, NO-6083 Gjerdsvika, Norway

Tel.: +47 70 02 58 00, E-mail: info@stadt.no

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Model	Input Voltage	200-230 Vac	380-415 Vac	440-460 Vac	Inom	Imax	W	H	D	Weight
	Vac	kW	kW	kW	A	A	mm	mm	mm	Kg
STADT SINUS M 0001 2S/T BA2K2	1/3 Phase 200-230	0,4			2,5	3,8	70	128	130	0,76
STADT SINUS M 0002 2S/T BA2K2	1/3 Phase 200-230	0,75-1,1			5	7,5	70	128	130	0,77
STADT SINUS M 0003 2S/T BA2K2	1/3 Phase 200-230	1,5-1,8			8	12	100	128	130	1,12
STADT SINUS M 0005 2S/T BA2K2	1/3 Phase 200-230	2,2-3			12	18	140	128	155	1,84
STADT SINUS M 0007 2S/T BA2K2	1/3 Phase 200-230	4-4,5			17	26	140	128	155	1,89
STADT SINUS M 0011 2S/T BA2K2	1/3 Phase 200-230	5,5			24	36	180	220	170	3,66
STADT SINUS M 0014 2S/T BA2K2	1/3 Phase 200-230	7,5-9,2			32	48	180	220	170	3,66
STADT SINUS M 0017 2S/T BA2K2	1/3 Phase 200-230	11			46	69	235	320	189,5	9
STADT SINUS M 0020 2S/T BA2K2	1/3 Phase 200-230	15			60	90	235	320	189,5	9
STADT SINUS M 0025 2S/T BA2K2	1/3 Phase 200-230	18,5			74	111	260	410	208,5	13,3
STADT SINUS M 0030 2S/T BA2K2	1/3 Phase 200-230	22			88	132	260	410	208,5	13,3
STADT SINUS M 0001 4T BA2K2	3 Phase 380-480		0,4	0,4	1,25	1,9	70	128	130	0,76
STADT SINUS M 0002 4T BA2K2	3 Phase 380-480		0,75-0,9	0,75-1,1	2,5	3,8	70	128	130	0,77
STADT SINUS M 0003 4T BA2K2	3 Phase 380-480		1,5	1,5-1,8	4	6	100	128	130	1,12
STADT SINUS M 0005 4T BA2K2	3 Phase 380-480		2,2	2,2-3	6	9	140	128	155	1,84
STADT SINUS M 0007 4T BA2K2	3 Phase 380-480		4	4-4,5	9	14	140	128	155	1,89
STADT SINUS M 0011 4T BA2K2	3 Phase 380-480		5,5	5,5	12	18	180	220	170	3,66
STADT SINUS M 0014 4T BA2K2	3 Phase 380-480		7,5	7,5-9,2	16	24	180	220	170	3,66
STADT SINUS M 0017 4T BA2K2	3 Phase 380-480		11	11	24	36	235	320	189,5	9
STADT SINUS M 0020 4T BA2K2	3 Phase 380-480		15	15	30	45	235	320	189,5	9
STADT SINUS M 0025 4T BA2K2	3 Phase 380-480		18,5	22	39	58,5	260	410	208,5	13,3
STADT SINUS M 0030 4T BA2K2	3 Phase 380-480		22	22	45	67,5	260	410	208,5	13,3

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