

# MICROMASTER 420

## Selection and ordering data

### MICROMASTER 420 inverter

Output		Rated input current <sup>1)</sup> A	Rated output current A	Frame size (FS)	Order No.	
kW	hp				MICROMASTER 420 without filter <sup>3)</sup>	MICROMASTER 420 with internal filter Class A <sup>2)</sup>
<b>Mains operating voltage 1 AC 200 V to 240 V</b>						
0.12	0.16	1.8	0.9	A	6SE6420-2UC11-2AA1	6SE6420-2AB11-2AA1
0.25	0.33	3.2	1.7	A	6SE6420-2UC12-5AA1	6SE6420-2AB12-5AA1
0.37	0.50	4.6	2.3	A	6SE6420-2UC13-7AA1	6SE6420-2AB13-7AA1
0.55	0.75	6.2	3.0	A	6SE6420-2UC15-5AA1	6SE6420-2AB15-5AA1
0.75	1.0	8.2	3.9	A	6SE6420-2UC17-5AA1	6SE6420-2AB17-5AA1
1.1	1.5	11.0	5.5	B	6SE6420-2UC21-1BA1	6SE6420-2AB21-1BA1
1.5	2.0	14.4	7.4	B	6SE6420-2UC21-5BA1	6SE6420-2AB21-5BA1
2.2	3.0	20.2	10.4	B	6SE6420-2UC22-2BA1	6SE6420-2AB22-2BA1
3.0	4.0	35.5	13.6	C	6SE6420-2UC23-0CA1	6SE6420-2AB23-0CA1
<b>Mains operating voltage 3 AC 200 V to 240 V</b>						
0.12	0.16	1.1	0.9	A	6SE6420-2UC11-2AA1	–
0.25	0.33	1.9	1.7	A	6SE6420-2UC12-5AA1	–
0.37	0.50	2.7	2.3	A	6SE6420-2UC13-7AA1	–
0.55	0.75	3.6	3.0	A	6SE6420-2UC15-5AA1	–
0.75	1.0	4.7	3.9	A	6SE6420-2UC17-5AA1	–
1.1	1.5	6.4	5.5	B	6SE6420-2UC21-1BA1	–
1.5	2.0	8.3	7.4	B	6SE6420-2UC21-5BA1	–
2.2	3.0	11.7	10.4	B	6SE6420-2UC22-2BA1	–
3.0	4.0	15.6	13.6	C	6SE6420-2UC23-0CA1	6SE6420-2AC23-0CA1
4.0	5.0	19.7	17.5	C	6SE6420-2UC24-0CA1	6SE6420-2AC24-0CA1
5.5	7.5	26.5	22.0	C	6SE6420-2UC25-5CA1	6SE6420-2AC25-5CA1
<b>Mains operating voltage 3 AC 380 V to 480 V</b>						
0.37	0.50	2.2	1.2	A	6SE6420-2UD13-7AA1	–
0.55	0.75	2.8	1.6	A	6SE6420-2UD15-5AA1	–
0.75	1.0	3.7	2.1	A	6SE6420-2UD17-5AA1	–
1.1	1.5	4.9	3.0	A	6SE6420-2UD21-1AA1	–
1.5	2.0	5.9	4.0	A	6SE6420-2UD21-5AA1	–
2.2	3.0	7.5	5.9	B	6SE6420-2UD22-2BA1	6SE6420-2AD22-2BA1
3.0	4.0	10.0	7.7	B	6SE6420-2UD23-0BA1	6SE6420-2AD23-0BA1
4.0	5.0	12.8	10.2	B	6SE6420-2UD24-0BA1	6SE6420-2AD24-0BA1
5.5	7.5	15.6	13.2	C	6SE6420-2UD25-5CA1	6SE6420-2AD25-5CA1
7.5	10.0	22.0	19.0	C	6SE6420-2UD27-5CA1	6SE6420-2AD27-5CA1
11	15.0	32.3	26.0	C	6SE6420-2UD31-1CA1	6SE6420-2AD31-1CA1



See Appendix for note on ordering.

All MICROMASTER 420 inverters are supplied with a Status Display Panel (SDP). A BOP, AOP or other options have to be ordered separately (see Pages 2/12 to 2/16).

#### Motors for MICROMASTER 420

Catalog D 81.1 contains selection and ordering data for motors which are particularly suitable for operation with the MICROMASTER 420 inverters (see Appendix for overview).

This catalog is suitable for IEC motors. For motors according to US standards (NEMA) please refer to Catalog D 81.2 U.S./Canada (see Appendix for overview) and to: <http://www.sea.siemens.com/motors>

1) Supplementary conditions:  
Input current at rated operating point, applicable at short-circuit voltage of the supply  $U_{sc} = 2\%$  with reference to the

inverter rated power and rated mains voltage of 240 V or 400 V without a line commutating choke.

2) Use of MICROMASTER inverters with internal filter is not permissible on non-grounded (IT) mains supplies.

3) Acc. to EMC EN 61800-3 generally suited to heavy industrial applications. For details please refer to Appendix on page A/4.