MICROMASTER 420

Product Data Sheet

6SE6420-2UC17-5AA1

MICROMASTER 420 0.75 kW Inverter

RATED OUTPUT POWER	INPUT PHASES	INPUT VOLTAGE	INPUT FREQUENCY
0.75 kW / 1 hp	**Single-phase or three-phase AC**	**200 to 240 V AC +/-10%**	**47 to 63 Hz**

Siemens 6SE6420-2UC17-5AA1 is a MICROMASTER 420 inverter rated 0.75 kW, or 1 hp. It accepts a single-phase or three-phase 200 to 240 V AC supply and provides a three-phase motor output with a rated current of 3.9 A. Its control connections include three digital inputs, one analog input, one analog output and one relay output.

01 TECHNICAL DATA

Rated output power	0.75 kW / 1 hp
Input phases	Single-phase or three-phase AC
Input voltage	200 to 240 V AC +/-10%
Input frequency	47 to 63 Hz
Rated single-phase input current	8.2 A
Rated three-phase input current	4.7 A
Rated output current	3.9 A
Output phases	Three-phase AC
Overload capability	150% for 60 s in a 300 s cycle
Maximum pulse frequency	16 kHz

02 ADDITIONAL PRODUCT DATA

Efficiency	96%
Digital inputs	3
Analog inputs	1
Analog outputs	1
Relay outputs	1

03 PRODUCT FUNCTION

The supply frequency range is 47 to 63 Hz. Rated input current is 8.2 A on single-phase power or 4.7 A on three-phase power, and the documented overload cycle permits 150% current for 60 seconds followed by 240 seconds at 100%. The inverter has a maximum 16 kHz pulse frequency, 96% listed efficiency and an IP20 enclosure in frame size A.

04 SYSTEM COMPATIBILITY

Enter the motor nameplate data and select the intended command and speed-reference sources before enabling the drive. Assign the three digital inputs and analog connection to the required control scheme, and observe the relay contact rating in the operating manual. Configure acceleration, deceleration and current limits for the connected motor.

05 REFERENCE

Siemens 6SE6420-2UC17-5AA1 official product data; applicable specification pages.

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