MICROMASTER 420

Product Data Sheet

6SE6420-2UD22-2BA1

Three-phase variable frequency drive

HIGH-OVERLOAD RATED POWER	AC LINE SUPPLY	INPUT FREQUENCY	RATED INPUT CURRENT
2.2 kW / 3 hp	**380-480 V, +/-10%, three-phase**	**47 to 63 Hz**	**7.5 A**

Siemens 6SE6420-2UD22-2BA1 is a MICROMASTER 420 frequency inverter rated at 2.2 kW under high-overload conditions. It accepts a three-phase 380-480 V AC line and provides a three-phase variable-frequency output with 5.9 A rated current. The published input current is 7.5 A.

01 TECHNICAL DATA

High-overload rated power	2.2 kW / 3 hp
AC line supply	380-480 V, +/-10%, three-phase
Input frequency	47 to 63 Hz
Rated input current	7.5 A
Rated output current	5.9 A
Output voltage class	480 V maximum
Output phase count	3
Nominal pulse frequency	4 kHz
Heavy overload duty	150% current for 60 s in 300 s cycle
Standard digital inputs	3

Siemens 6SE6420-2UD22-2BA1 manufacturer specification, applicable pages 1, 2.

02 ADDITIONAL PRODUCT DATA

Relay outputs	1
Analog I/O count	1 input, 1 output
Typical efficiency	96%
Cooling method	Fan
Operating ambient	-10 to 50 C at HO conditions

03 PRODUCT FUNCTION

The frame-B drive includes three standard digital inputs, one relay output, one analog input and one analog output. Fan cooling and an IP20/open-type enclosure are specified. Its overload cycle permits 150% output current for sixty seconds followed by 240 seconds at rated current; the data sheet notes a production-related output-frequency limit of 550 Hz.

04 SYSTEM COMPATIBILITY

Parameterize the motor, control mode and onboard I/O from the actual circuit. Apply the sixty-second overload duty and available output-frequency limit to the supplied hardware and firmware.

05 REFERENCE

Siemens 6SE6420-2UD22-2BA1 manufacturer specification, applicable pages 1, 2.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM