MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SE6420-2UD21-1AA1

1.10 KW AC DRIVE

Used with the applicable MICROMASTER 420 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens product data sheet, 6SE6420-2UD21-1AA1

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Data sheet for MICROMASTER 420



Figure similar

Article No. : **6SE6420-2UD21-1AA1**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V ±10 %
Line frequency	47 ... 63 Hz
Rated current (HO)	4.90 A

Output

Number of phases	3 AC
Rated voltage	480 V
Rated power (HO)	1.10 kW / 1.50 hp
Rated current (HO)	3.00 A
Pulse frequency	4,000 Hz
Output frequency for V/f control	0...650 Hz
As a result of legal stipulations, a limit to 550 Hz is in production	

Overload capability

High Overload (HO)
150 % output current for 60 s, followed by 100 % output current for 240 s in a 300 s cycle time

General tech. specifications

Power factor λ	0.95
Efficiency η	0.96

Ambient conditions

Cooling	Fan

Ambient temperature

Operation (HO)	-10...50 °C
Transport	-40...70 °C
Storage	-40...70 °C

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Data sheet for MICROMASTER 420

Article No. : **6SE6420-2UD21-1AA1**



Figure similar

Mechanical data	
Degree of protection	IP20 / UL open type
Frame size	FSA
Net weight	1.00 kg
Width	73.0 mm
Height	173.0 mm
Depth	149.0 mm

Inputs / outputs	
Standard digital inputs	
Number	3
Relay output	
Number	1
Analog inputs	
Number	1
Analog outputs	
Number	1

Connections	
Motor end	
Conductor cross-section	2.50 mm²

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Data sheet for MICROMASTER 420



Figure similar

MLFB-Ordering data **6SE6420-2UD21-1AA1**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V ±10 %
Line frequency	47 ... 63 Hz
Rated current (HO)	4.90 A

Output

Number of phases	3 AC
Rated voltage	480 V
Rated power (HO)	1.10 kW / 1.50 hp
Rated current (HO)	3.00 A
Pulse frequency	4000 Hz
Output frequency for V/f control	0 ... 650 Hz

As a result of legal stipulations, a limit to 550 Hz is in production

Overload capability

High Overload (HO)

150 % output current for 60 s, followed by 100 % output current for 240 s in a 300 s cycle time

General tech. specifications

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Transport	-40 ... 70 °C
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Conductor cross-section	2.50 mm²