

# SIEMENS

## Data sheet for SINAMICS V20



Figure similar

MLFB-Ordering data                      6SL3210-5BB15-5BV1

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

Item no. :  
Consignment no. :  
Project :

Rated data	General tech. specifications																																														
<div>Input</div> <table><tr><td>Number of phases</td><td>1 AC</td></tr><tr><td>Line voltage</td><td>200 ... 240 V -15 % +10 %</td></tr><tr><td>Line frequency</td><td>47 ... 63 Hz</td></tr></table> <div>Output</div> <table><tr><td>Number of phases</td><td>3 AC</td></tr><tr><td>Rated voltage</td><td>230 V</td></tr><tr><td>Rated power (HO)</td><td>0.55 kW / 0.75 hp</td></tr><tr><td>Rated power (LO)</td><td>0.55 kW / 0.55 hp</td></tr><tr><td>Rated current (HO)</td><td>3.20 A</td></tr><tr><td>Rated current (LO)</td><td>3.20 A</td></tr></table> <table><tr><td>Pulse frequency</td><td>8.00 kHz</td></tr><tr><td>Output frequency</td><td>0 ... 550 Hz</td></tr></table>	Number of phases	1 AC	Line voltage	200 ... 240 V -15 % +10 %	Line frequency	47 ... 63 Hz	Number of phases	3 AC	Rated voltage	230 V	Rated power (HO)	0.55 kW / 0.75 hp	Rated power (LO)	0.55 kW / 0.55 hp	Rated current (HO)	3.20 A	Rated current (LO)	3.20 A	Pulse frequency	8.00 kHz	Output frequency	0 ... 550 Hz	<table><tr><td>Power factor λ</td><td>0.72</td></tr><tr><td>Offset factor cos φ</td><td>0.95</td></tr><tr><td>Efficiency η</td><td>0.98</td></tr><tr><td>Filter class (integrated)</td><td>Class B</td></tr></table> <div>Ambient conditions</div> <table><tr><td>Cooling</td><td>convection cooling</td></tr><tr><td>Installation altitude</td><td>1000 m (3281 ft)</td></tr></table> <div>Ambient temperature</div> <table><tr><td>Operation</td><td>-10 ... 60 °C (14 ... 140 °F)</td></tr><tr><td>Storage</td><td>-40 ... 70 °C (-40 ... 158 °F)</td></tr></table> <div>Relative humidity</div> <table><tr><td>Max. operation</td><td>95 %</td></tr></table> <div>Communication</div> <table><tr><td>Communication</td><td>USS, Modbus RTU</td></tr></table> <div>Standards</div> <table><tr><td>Compliance with standards</td><td>CE, cULus, C-Tick (RCM), KC</td></tr><tr><td>CE marking</td><td>EN 61800-5-1 /EN 60204-1 and EN 61800-3</td></tr></table>	Power factor λ	0.72	Offset factor cos φ	0.95	Efficiency η	0.98	Filter class (integrated)	Class B	Cooling	convection cooling	Installation altitude	1000 m (3281 ft)	Operation	-10 ... 60 °C (14 ... 140 °F)	Storage	-40 ... 70 °C (-40 ... 158 °F)	Max. operation	95 %	Communication	USS, Modbus RTU	Compliance with standards	CE, cULus, C-Tick (RCM), KC	CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3
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Overload capability
Low Overload (LO)
110 % rated output current for 60 s, cycle time 300 s
High Overload (HO)
150 % rated output current for 60 s, cycle time 300 s

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Figure similar

Mechanical data	Connections
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Mounting position	Wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Size	FSAB
Net weight	0.80 kg ( 1.76 lb )
Width	68.0 mm ( 2.68 in )
Height	142.0 mm ( 5.59 in )
Depth	127.8 mm ( 5.03 in )

Max. motor cable length	
Shielded	25 m (82 ft)
Unshielded	50 m (164 ft)

### Inputs / outputs

Standard digital inputs	
Number	4

Digital outputs	
Number as relay changeover contact	1
Number as transistor	1

Analog inputs	
Number	2 (Can be used as additional digital input)

Analog outputs	
Number	1