



Figure similar

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 -15 % +10 %		
Line frequency	47 ... 63 Hz		
Output			
Number of phases	3 AC		
Rated voltage	400V IEC	480V NEC ¹⁾	
Rated power (LO)	2.20 kW	3.00 hp	
Rated power (HO)	2.20 kW	3.00 hp	
Rated current (LO)	5.60 A	4.80 A	
Rated current (HO)	5.60 A	4.80 A	
Rated current (IN)	5.60 A		
Pulse frequency	4.00 kHz		
Output frequency	0 ... 550 Hz		
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			
General tech. specifications			
Power factor λ	0.72		
Offset factor cos φ	0.95		
Efficiency η	0.98		
Filter class (integrated)	Unfiltered		
With integrated braking chopper	Yes		
Communication			
Communication	USS, Modbus RTU		
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		

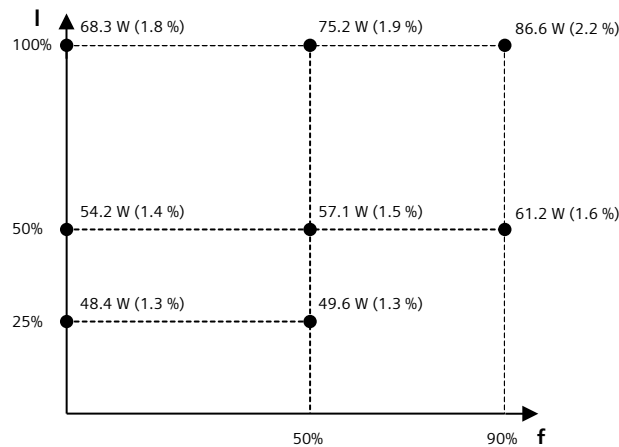
Ambient conditions	
Cooling	External fan
Installation altitude	1,000 m (3,280.84 ft)
Ambient temperature	
Operation ²⁾	-10 ... 60 °C (14 ... 140 °F)
Storage	-40 ... 70 °C (-40 ... 158 °F)
Relative humidity	
Max. operation	95 %
Connections	
Max. motor cable length	
Shielded	10 m (32.81 ft)
Unshielded	50 m (164.04 ft)
Mechanical data	
Mounting position	Wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Frame size	FSA
Net weight	1.00 kg (2.20 lb)
Dimensions	
Width	90.0 mm (3.54 in)
Height	166.0 mm (6.54 in)
Depth	145.5 mm (5.73 in)
Standards	
Compliance with standards	CE, cULus, C-Tick (RCM), KC
CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3

SIEMENS

Data sheet for SINAMICS V20

Article No. : 6SL3210-5BE22-2UV1

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	31.0 %



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency (f). The values are valid for the basic version of the converter without options/components.

*calculated values

¹⁾ The output current and HP ratings are valid for the voltage range 440V-480V
²⁾ Please observe derating at temperatures of 40 °C or above