

MLFB-Ordering data

6SL3525-0PE27-5AA1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
<b>Input</b>		<b>Power factor <math>\lambda</math></b>	0.95
Number of phases	3 AC	<b>Efficiency <math>\eta</math></b>	0.97
Line voltage	380 ... 500 V $\pm 10\%$	<b>Sound pressure level (1m)</b>	74.5 dB
Line frequency	47 ... 63 Hz	<b>Power loss</b>	0.29 kW
Rated current	17.70 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	demand-driven air cooling via integrated fan
Number of phases	3 AC	<b>Cooling air requirement</b>	0.025 m <sup>3</sup> /s
Rated voltage	400 V	<b>Installation altitude</b>	1000 m
Rated power	7.50 kW	<b>Ambient temperature</b>	
Rated current (IN)	19.00 A	<b>Operation</b>	-10 ... 55 °C (14 ... 131 °F)
Max. output current	38.00 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
Pulse frequency	4 kHz	<b>Storage</b>	-40 ... 70 °C (-40 ... 158 °F)
Output frequency for vector control	0 ... 200 Hz	<b>Relative humidity</b>	
Output frequency for V/f control	0 ... 650 Hz	<b>Max. operation</b>	95 % at 40°C (104°F); RH, condensation not permitted
<p>In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.</p>			

### Overload capability

#### High Overload (HO)

Average max. rated output current during a cycle time of 300 s; 1.5 × rated output current (i.e. 150% overload) for 60 s with a cycle time of 300 s; 2 × rated output current (i.e. 200 % overload) for 3 s with a cycle time of 300 s

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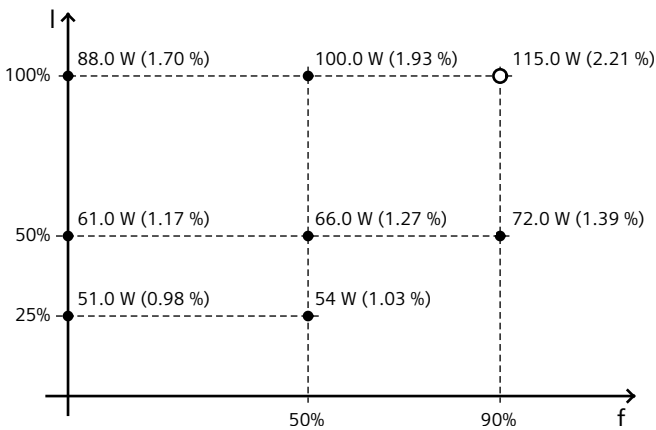
Figure similar

### Mechanical data

Degree of protection	IP65 / UL type 3
Size	FSC
Net weight	8.50 kg
Width	445.0 mm
Height	210.0 mm
Depth	220.0 mm

### Converter losses to EN 50598-2\*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-62.16 %



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 EN 50598) 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.

\*converted values

### Connections

#### Line side

Version	HAN Q4/2 (connector)
Conductor cross-section	4.00 ... 6.00 mm <sup>2</sup>

#### Motor end

Version	HAN Q8 (socket)
Conductor cross-section	4.00 mm <sup>2</sup>
PE connection	On housing with M5 screw
Conductor cross-section	10.00 ... 16.00 mm <sup>2</sup>

#### Max. motor cable length

Shielded	15 m
Unshielded	30 m

### Standards

Compliance with standards	UL 508C (UL list number E121068), CE, RCM
CE marking	Low-voltage directive 2006/95/EC