


# Inverter Drives 8400 motec



## Technical data

### Rated data 400 V

- The data is valid for operation at 400 V AC.
- Unless otherwise specified, the data refers to the default setting.

						
<b>Typical motor power</b>						
4-pole asynchronous motor	P	[kW]	0.37	0.55 <sup>1)</sup>	0.55	0.75 <sup>1)</sup>
<b>Product key</b>						
Inverter			E84DVB□3714S□□□2□		E84DVB□5514S□□□2□	
Drive Unit			E84DGDVB37142PS		E84DGDVB55142PS	
<b>Mains voltage range</b>						
	U <sub>AC</sub>	[V]	3/PE AC 320 V-0 % ... 528 V+0 %, 45 Hz-0 % ... 65 Hz+0 %			
<b>Rated mains current</b>						
	I <sub>N,AC</sub>	[A]	1.3	1.6	1.8	2.2
<b>Rated output current</b>						
	I <sub>N,out</sub>	[A]	1.3	1.6	1.8	2.2
<b>Rated switching frequency</b>						
	f <sub>ch</sub>	[kHz]	8	4	8	4
<b>Output current</b>						
4 kHz	I <sub>out</sub>	[A]	1.3	1.6	1.8	2.2
8 kHz	I <sub>out</sub>	[A]	1.3		1.8	
16 kHz	I <sub>out</sub>	[A]	0.9		1.2	

### Data for 60 s overload

<b>Max. output current</b>						
	I <sub>max,out</sub>	[A]	2.0		2.7	
<b>Overload time</b>						
	t <sub>ol</sub>	[s]	60.0			
<b>Recovery time</b>						
	t <sub>re</sub>	[s]	120.0			

### Data for 3 s overload

<b>Max. short-time output current</b>						
	I <sub>max,out</sub>	[A]	2.6		3.6	
<b>Overload time</b>						
	t <sub>ol</sub>	[s]	3.0			
<b>Recovery time</b>						
	t <sub>re</sub>	[s]	12.0			

<sup>1)</sup> Increased rated power operating mode at 40 °C ambient temperature and max. mains voltage of 400 V AC


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<b>Power loss</b>						
	P <sub>V</sub>	[kW]	0.0			
<b>Mass</b>						
	m	[kg]	2.6			
<b>Max. cable length</b>						
Shielded motor cable <sup>2)</sup>	l <sub>max</sub>	[m]	20			

4.2

### Brake chopper rated data

<b>Rated power, Brake chopper</b>						
	P <sub>N</sub>	[kW]	0.4	0.5	0.6	0.7
<b>Max. output power, Brake chopper</b>						
	P <sub>max,1</sub>	[kW]	0.6		0.8	
<b>Min. brake resistance</b>						
	R <sub>min</sub>	[Ω]	180.0			

### Dimensions

<b>Dimensions</b>						
Height	h	[mm]	109			
Width	b	[mm]	161			
Depth	t	[mm]	241			

<sup>1)</sup> Increased rated power operating mode at 40 °C ambient temperature and max. mains voltage of 400 V AC

<sup>2)</sup> Technically possible cable lengths, irrespective of EMC requirements