

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.

						
Typical motor power						
4-pole asynchronous motor	P	[kW]	0.75	1.10 ¹⁾	1.10	1.50 ¹⁾
Product key						
Inverter			E84DVB□7514S□□□2□		E84DVB□1124S□□□2□	
Drive Unit			E84DGDVB75142PS		E84DGDVB11242PS	
Mains voltage range						
	U _{AC}	[V]	3/PE AC 320 V-0 % ... 528 V+0 %, 45 Hz-0 % ... 65 Hz+0 %			
Rated mains current						
	I _{N, AC}	[A]	2.4	2.9	3.2	3.8
Rated output current						
	I _{N, out}	[A]	2.4	2.9	3.2	3.8
Rated switching frequency						
	f _{ch}	[kHz]	8	4	8	4
Output current						
4 kHz	I _{out}	[A]	2.4	2.9	3.2	3.8
8 kHz	I _{out}	[A]	2.4		3.2	
16 kHz	I _{out}	[A]	1.6		2.1	

Data for 60 s overload

Max. output current				
	I _{max, out}	[A]	3.6	4.8
Overload time				
	t _{ol}	[s]	60.0	
Recovery time				
	t _{re}	[s]	120.0	

Data for 3 s overload

Max. short-time output current				
	I _{max, out}	[A]	4.8	6.4
Overload time				
	t _{ol}	[s]	3.0	
Recovery time				
	t _{re}	[s]	12.0	

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

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Power loss						
	P _V	[kW]	0.0		0.1	
Mass						
	m	[kg]	2.6			
Max. cable length						
Shielded motor cable ²⁾	I _{max}	[m]	20			

4.2

Brake chopper rated data

Rated power, Brake chopper						
	P _N	[kW]	0.8	0.9	1.1	1.3
Max. output power, Brake chopper						
	P _{max, 1}	[kW]	1.3		1.7	
Min. brake resistance						
	R _{min}	[Ω]	180.0			

Dimensions

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

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

²⁾ Technically possible cable lengths, irrespective of EMC requirements