

KeDrive D6 – Inverter, Power Units



Models	Single-axis inverters							
no additional options	HMS01.1N- W0020A- 07-NNNN	HMS01.1N- W0036-A- 07-NNNN	HMS01.1N- W0054-A- 07-NNNN	HMS01.1N- W0070-A- 07-NNNN	HMS01.1N- W0110-A- 07-NNNN	HMS01.1N- W0150-A- 07-NNNN	HMS01.1N- W0210-A- 07-NNNN	HMS01.1N- W0350-A- 07-NNNN
Performance data								
- Continuous current ¹	12,1 A	21,3 A	35 A	42,4 A	68,5 A	100 A	150 A	250 A
- Maximum current	20 A	36 A	54 A	70 A	110 A	150 A	210 A	350 A
Switching frequency/max. output frequency	4 kHz / 400 Hz							
	8 kHz / 800 Hz							
	12 kHz / 1.200 Hz							
	16 kHz / 1.600 Hz							
Control voltage data	DC 24 V ± 20 % (DC 24 V ± 5 % when supplying motor holding brake)							
- Control voltage external	10 W	15 W	10 W	16 W	34 W	23 W	75 W	218 W
- Power consumption without control unit and motor brake								
- Continuous current without control unit and motor brake	0,4 A	0,7 A	0,4 A	0,7 A	1,4 A	1,0 A	3,1 A	9,1 A
Mechanical data								
- Height H	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm
- Width W	50 mm	50 mm	75 mm	100 mm	125 mm	150 mm	200 mm	350 mm
- Depth D	309 mm	309 mm	309 mm	309 mm	309 mm	309 mm	309 mm	309 mm
- Mass	5,3 kg	5,3 kg	6,7 kg	7,9 kg	11,0 kg	12,7 kg	18,4 kg	31,7 kg
Ambient conditions	0 ... +40 °C, with derating to +55 °C							
- Ambient temperature	5 ... 95 % (as per EN 61800-5-1), condensation not permitted							
- Relative air humidity	2 (as per EN 61800-5-1)							
- Degree of contamination	Air cooling							
- Cooling system	IP20							
- Protection mode	1.000 m over NN, with derating to 4.000 m							
Installation height								
CE-mark	Complies with the low voltage directive 73/23/EEC and the EMC directive 89/336/EEC							
Certification	UL, cUL							
EMC	as EN 61800-3							



Models	Single-axis inverters		Double-axis inverters		
no additional options	HMS02.1N- W0028-A-07- NNNN	HMS02.1N- W0054-A-07- NNNN	HMD01.1N- W0012-A-07- NNNN	HMD01.1N- W0020-A-07- NNNN	HMD01.1N- W0036-A-07- NNNN
Performance data					
- Continuous current ¹	13,8 A	25 A	7 A	10 A	20 A
- Maximum current	28 A	54 A	12 A	20 A	36 A
Switching frequency/max. output frequency	4 kHz / 400 Hz				
	8 kHz / 800 Hz				
	12 kHz / 1.200 Hz				
	16 kHz / 1.600 Hz				
Control voltage data	DC 24 V ± 20 % (DC 24 V ± 5 % when supplying motor holding brake)				
- Control voltage external	13 W	17 W	17 W	17 W	11 W
- Power consumption without control unit and motor brake					
- Continuous current without control unit and motor brake	0,5 A	0,7 A	0,7 A	0,7 A	0,5 A
Mechanical data					
- Height H	352 mm	352 mm	440 mm	440 mm	440 mm
- Width W	50 mm	75 mm	50 mm	50 mm	75 mm
- Depth D	252 mm	252 mm	309 mm	309 mm	309 mm
- Mass	3,5 kg	5,0 kg	5,5 kg	5,7 kg	7,5 kg
Ambient conditions	0 ... +40 °C, with derating to +55 °C				
- Ambient temperature	5 ... 95 % (as per EN 61800-5-1), condensation not permitted				
- Relative air humidity	2 (as per EN 61800-5-1)				
- Degree of contamination	Air cooling				
- Cooling system	IP20				
- Protection mode	1.000 m over NN, with derating to 4.000 m				
Installation height					
CE-mark	Complies with the low voltage directive 73/23/EEC and the EMC directive 89/336/EEC				
Certification	UL, cUL				
EMC	as EN 61800-3				

All data apply to nominal rating at 3 AC 400 V mains voltage and 4 kHz switching frequency

¹ Limitation of output currents at output frequencies < 4 Hz