

Modular system

# Single-axis inverter IndraDrive M - HMS



Modular system

**Single-axis inverter ■ IndraDrive M - HMS****Documentation**

- Operating instructions
- Project planning manual

**Technical data**

		HMS01.1N-W0020	HMS01.1N-W0036	HMS01.1N-W0054	HMS01.1N-W0070	HMS01.1N-W0110
<b>Performance data</b>						
Continuous current	[A]	12.1	21.3	35	42.4	68.5
Maximum current	[A]	20	36	54	70.7	110
Motor rated capacity, typical	[kW]	5.5	11	18.5	22	0
Input voltage	[V]	DC 254...750 V				
<b>Intermediate circuit</b>						
Switching frequency/max. output frequency	4 kHz	0 ... 400 Hz				
	8 kHz	0 ... 800 Hz				
	12 kHz	0...1200 Hz				
	16 kHz	0...1600 Hz				
Output voltage	[V]	3 x AC 0...500 V				
DC bus voltage	[V] DC	254...750 V				
<b>Control voltage</b>						
Power consumption without control unit and motor brake	[W]	10	15	10	16	34
<b>Protection</b>						
EMC		EN 61800-3 <sup>↔</sup>				
Cooling type		Air cooling				
<b>Norms and Standards</b>						
Certification		EN 61800-5-1 <sup>↔</sup> UL 508 C <sup>↔</sup>				
<b>Weight</b>						
Weight	[kg]	5.27		6.68	7.94	11.06
		HMS01.1N-W0150	HMS01.1N-W0210	HMS01.1N-W0350	HMS02.1N-W0028	HMS02.1N-W0054
<b>Performance data</b>						
Continuous current	[A]	99.7	150.7	250	13.82	25
Maximum current	[A]	150	210	350	28.3	54

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Motor rated capacity, typical	[kW]	55	75	0		
Input voltage	[V]	DC 254...750 V				
<b>Intermediate circuit</b>						
Switching frequency/max. output frequency	4 kHz	0 ... 400 Hz				
	8 kHz	0 ... 800 Hz				
	12 kHz	0...1200 Hz			0...1200 Hz	
	16 kHz	0...1600 Hz		0...1600 Hz		
Output voltage	[V]	3 x AC 0...500 V				
Intermediate circuit capacity	[mF]	0	4.9	0.135	0.27	
DC bus voltage	[V] DC	254...750 V				
<b>Control voltage</b>						
Power consumption without control unit and motor brake	[W]	23	75	218	13	17
<b>Protection</b>						
EMC		EN 61800-3 ↔				
Cooling type		Air cooling				
<b>Norms and Standards</b>						
Certification		EN 61800-5-1 ↔ UL 508 C ↔				
<b>Weight</b>						
Weight	[kg]	12.74	16.44	31.7	3.5	5

**Dimensions**

		HMS01.1N-W0020	HMS01.1N-W0036	HMS01.1N-W0054	HMS01.1N-W0070	HMS01.1N-W0110
<b>Dimensions</b>						
Height H	[mm]	440	440	440	440	440
Width B	[mm]	50	50	75	100	125
Depth T	[mm]	262	262	262	262	262
		HMS01.1N-W0350	HMS01.1N-W0210	HMS01.1N-W0150	HMS02.1N-W0028	HMS02.1N-W0054
<b>Dimensions</b>						
Height H	[mm]	440	440	440	352	352
Width B	[mm]	350	200	150	50	75
Depth T	[mm]	262	262	262	205	205

**Components**

Description	Page	Details
Servo drives	Firmware 1G	IndraDrive (MPH, MPB, MPD, MPC)

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Description	Page	Details
Servo drives	Firmware 2G	IndraDrive (MPE, MPB/MPM, MPC)
Servo drives	Control units 1G	IndraDrive (BASIC, ADVANCED)
Servo drives	Control units 2G	IndraDrive (ECONOMY, BASIC, ADVANCED)

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It must be remembered that our products are subject to a natural process of wear and aging.