

Modular system

Single-axis inverter IndraDrive M - HMS



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Documentation

- Operating instructions
- Project planning manual

Technical data

		HMS01.1N-W0020	HMS01.1N-W0036	HMS01.1N-W0054	HMS01.1N-W0070	HMS01.1N-W0110
Performance data						
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				
Intermediate circuit						
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				
Intermediate circuit voltage	[V] DC	254...750 V				
Control voltage						
Control voltage	External	24V ± 20%				
Power consumption without control section and motor holding brake	[W]	10	15	10	16	34
Protection						
Degree of protection whole		IP20 (IEC529)	IP20 (IEC529)	IP20 (IEC529)	IP20 (IEC529)	IP20 (IEC529)
Degree of pollution		2 (EN50178)	2 (EN50178)	2 (EN50178)	2 (EN50178)	2 (EN50178)
EMC		EN 61800-3	EN 61800-3	EN 61800-3	EN 61800-3	EN 61800-3
Cooling type		Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
Norms and standards						
Certification		EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C
		HMS01.1N-W0150	HMS01.1N-W0210	HMS01.1N-W0350	HMS02.1N-W0028	HMS02.1N-W0054
Performance data						

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Continuous current	[A]	99.7	150.7	250	13.82	25
Maximum current	[A]	150	210	350	28.3	54
Motor rated capacity, typical	[kW]	55	75	0		
Input voltage	[V]	DC 254...750 V				
Intermediate circuit						
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
Intermediate circuit voltage	[V] DC	254...750 V				
Control voltage						
Control voltage	External	24V ± 20%				
Power consumption without control section and motor holding brake	[W]	23	75	218	13	17
Protection						
Degree of protection whole	IP20 (IEC529)		IP20 (IEC529)	IP20 (IEC529)	IP20 (IEC529)	IP20 (IEC529)
Degree of pollution	2 (EN50178)		2 (EN50178)	2 (EN50178)	2 (EN50178)	2 (EN50178)
EMC	EN 61800-3		EN 61800-3	EN 61800-3	EN 61800-3	EN 61800-3
Cooling type	Air cooling		Air cooling	Air cooling	Air cooling	Air cooling
Norms and standards						
Certification	EN 61800-5-1, UL 508 C		EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C	EN 61800-5-1, UL 508 C

Dimensions

		HMS01.1N-W0020	HMS01.1N-W0036	HMS01.1N-W0054	HMS01.1N-W0070	HMS01.1N-W0110
Dimensions						
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
Dimensions						
Height H	[mm]	440	440	440	352	352
Width B	[mm]	350	200	150	50	75
Depth T	[mm]	262	262	262	205	205

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Components

Description	Page	Details
Control units	Single-axis	ADVANCED
Control units	Single-axis	BASIC ANALOG
Control units	Single-axis	BASIC OPEN LOOP
Control units	Single-axis	BASIC PROFIBUS
Control units	Single-axis	BASIC SERCOS
Control units	Single-axis	BASIC UNIVERSAL

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and verification.

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