

Modular system

# Power supplies

## IndraDrive M - HMV





## Documentation

- Operating Instructions
- Project Planning Manual

## Technical data

		HMV01.1E-W0030	HMV01.1E-W0075	HMV01.1E-W0120	HMV01.1R-W0018
<b>Power</b>					
Input voltage	[V]	3 x AC 380...480 V			
Tolerances	[%]	± 10 %			
Frequency		50...60 Hz			
Frequency tolerances	[Hz]	± 2 Hz			
Continuous input mains current	[A]	51	125	0	26
Dependence of output on mains voltage	$U_{LN} < 400 \text{ V}$	1 % power reduction per 4 V			
	$U_{LN} > 400 \text{ V}$	1 % power gain per 5 V			no power gain
<b>DC bus</b>					
Continuous output with choke	[kW]	30	75	120	18
Max. output with choke	[kW]	45	112.5	180	45
Continuous output without choke	[kW]	18	45	72	0
Max. output without choke	[kW]	45	112.5	180	0
Output voltage	[V]	DC 435...710 V			DC 750 V
DC bus capacity	[mF]	1.41	3.76	5.64	0.705
DC bus voltage	[V] DC	Main voltage x 1,41			-
<b>Brake chopper / resistor</b>					
Braking Energy Consumption	[kWs]	100	250	500	80
Continuous braking power	[kW]	1.5	2	2.5	0.4
Maximum braking power	[kW]	36	90	130	36
<b>Control Voltage</b>					
Control Voltage	external	24V ± 5 %			
Power consumption without control unit and motor brake	[W]	25	30	55	31
<b>Protection</b>					
Category Total		IP20 (IEC529)			
Degree of contamination		2 (EN50178)			
EMC		EN61800-3			
Cooling system		forced ventilated			

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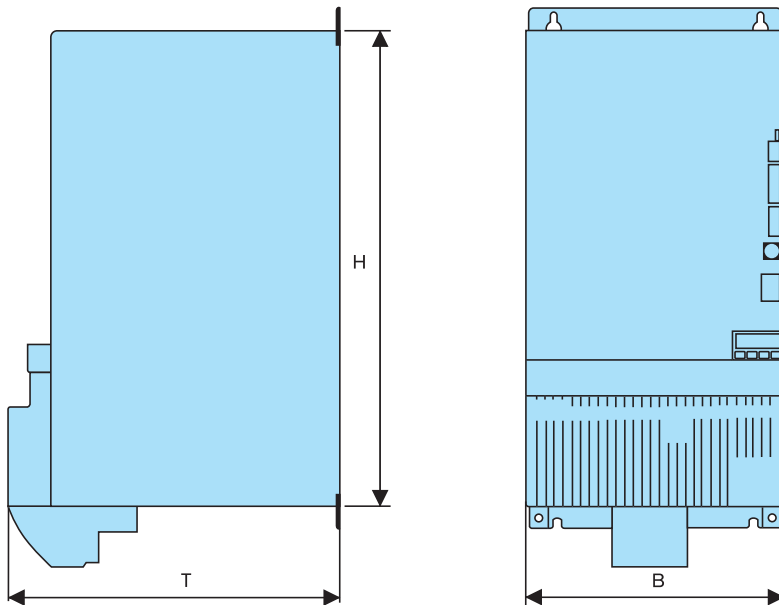
Standards					
Certification		EN61800-5-1UL 508 C-			
Weight					
Weight	[kg]	13.5	22	32	13.5
Ambient conditions					
Ambient temp. operation	[°C]	0 ... 40 °C			
	Derating [°C]	0 ... 55 °C			
Ambient temp. storage	[°C]	-25...55 °C			
Relative humidity operation	[%]	5...95 %			
Relative humidity storage	[%]	5...95 %			
Installation height	[m]	1000			
	[m] Derating	4000			
		HMV01.1R-W0045	HMV01.1R-W0065	HMV01.1R-W0120	HMV02.1R-W0015
Power					
Input voltage	[V]	3 x AC 380...480 V			
Tolerances	[%]	± 10 %			
Frequency		50...60 Hz			
Frequency tolerances	[Hz]	± 2 Hz			
Continuous input mains current	[A]	65	94	181	23
Dependence of output on mains voltage	$U_{LN} < 400 \text{ V}$	1 % power reduction per 4 V			
	$U_{LN} > 400 \text{ V}$	no power gain			
DC bus					
Continuous output with choke	[kW]	45	65	120	15
Max. output with choke	[kW]	112	162	180	30
Output voltage	[V]	DC 750 V			
DC bus capacity	[mF]	1.88	2.82	4.95	0.705
Brake chopper / resistor					
Braking Energy Consumption	[kWs]	100	150	0	40
Continuous braking power	[kW]	0.4		0	0.3
Maximum braking power	[kW]	90	130	0	33
Control Voltage					
Control Voltage	external	24V ± 5 %			
Power consumption without control unit and motor brake	[W]	41	108	224	27
Protection					
Category Total		IP20 (IEC529)			

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<b>Degree of contamination</b>		2 (EN50178)			
<b>EMC</b>		EN61800-3			
<b>Cooling system</b>		forced ventilated			
<b>Standards</b>					
<b>Certification</b>		EN61800-5-1UL 508 C-			
<b>Weight</b>					
<b>Weight</b>	<b>[kg]</b>	20	31	34.5	9.5
<b>Ambient conditions</b>					
<b>Ambient temp. operation</b>	<b>[°C]</b>	0 ... 40 °C			
	<b>Derating [°C]</b>	0 ... 55 °C			
<b>Ambient temp. storage</b>	<b>[°C]</b>	-25...55 °C			
<b>Relative humidity operation</b>	<b>[%]</b>	5...95 %			
<b>Relative humidity storage</b>	<b>[%]</b>	5...95 %			
<b>Installation height</b>	<b>[m]</b>	1000			
	<b>[m] Derating</b>	4000			

**Dimensions**



		HMV01.1E-W0030	HMV01.1E-W0075	HMV01.1E-W0120	HMV01.1R-W0018
<b>Dimensions</b>					
<b>Height H</b>	<b>[mm]</b>	440	440	440	440
<b>Width W</b>	<b>[mm]</b>	150	250	350	175
<b>Depth D</b>	<b>[mm]</b>	262	262	262	262
		HMV01.1R-W0045	HMV01.1R-W0065	HMV01.1R-W0120	HMV02.1R-W0015

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Dimensions					
Height H	[mm]	440	440	440	352
Width W	[mm]	250	350	350	150
Depth D	[mm]	262	262	262	205

**Accessories****Auxiliary components**

Description		
Accessories	Brake units	HLB
Accessories	Mains chokes	HNL
Accessories	Main filters	HNF
Accessories	Capacity modules	HLC

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