

Modular system

Power supplies IndraDrive M - HMV



上海齐浩电气自动化有限公司根据网络资料整理

Technical data

| | | HMV01.1E-W0030 | HMV01.1E-W0075 | HMV01.1E-W0120 | HMV01.1R-W0018 |
|--|--------------------------|-----------------------------|----------------|----------------|----------------|
| 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] | 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 |
| DC bus | | | | | |
| 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 | | | - |
| Brake chopper / resistor | | | | | |
| 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 |
| Control Voltage | | | | | |
| Control Voltage | external | 24V ± 5 % | | | |
| Power consumption without control unit and motor brake | [W] | 25 | 30 | 55 | 31 |
| Protection | | | | | |
| Category Total | | IP20 (IEC529) | | | |
| Degree of contamination | | 2 (EN50178) | | | |
| EMC | | EN61800-3 | | | |
| Cooling system | | forced ventilated | | | |

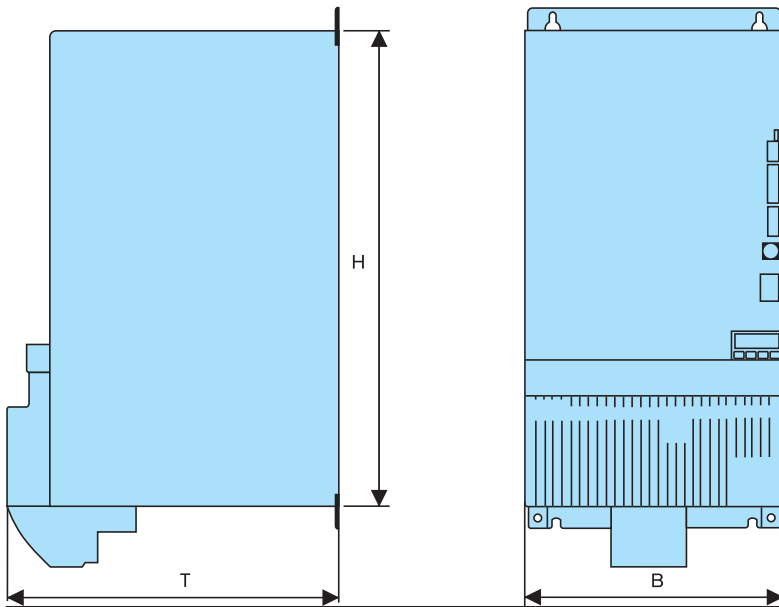
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| Standards | | | | | |
|---|--------------------------|-----------------------------|----------------|----------------|----------------|
| Certification | EN61800-5-1UL 508 C- | | | | |
| Weight | | | | | |
| Weight | [kg] | 13.5 | 22 | 32 | 13.5 |
| 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 | | | |
| | Derating [m] | 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) | | | |

| | | | | | |
|------------------------------------|----------------------|----------------------|----|------|-----|
| Degree of contamination | | 2 (EN50178) | | | |
| EMC | | EN61800-3 | | | |
| Cooling system | | forced ventilated | | | |
| Standards | | | | | |
| Certification | | EN61800-5-1UL 508 C- | | | |
| Weight | | | | | |
| Weight | [kg] | 20 | 31 | 34.5 | 9.5 |
| 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 | | | |

Dimensions



| | | HMV01.1E-W0030 | HMV01.1E-W0075 | HMV01.1E-W0120 | HMV01.1R-W0018 |
|-------------------|-------------|----------------|----------------|----------------|----------------|
| Dimensions | | | | | |
| Height H | [mm] | 440 | 440 | 440 | 440 |
| Width W | [mm] | 150 | 250 | 350 | 175 |
| Depth D | [mm] | 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 |