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DATASHEET

Date : 7 janv. 2021

Universal drive IP20 with options

Unidrive M700-09402000E10100AB100

line choke ; keypad ; SmartCard_64k ;

Definition

Product range	Unidrive
Model	M700-094-02000E10100AB
Model	700 (1 STO - 3 SI options - CodeSys - Ethernet) 6 pulses - external choke (E)
Onboard Comms	Modbus TCP/IP & EtherNet/IP (2 switched ports)
Onboard intelligence	Machine Control Studio & AMC
Control Connections	1 STO / 3 AI (0-10V & 4-20mA) + 2 AO (0-10V) + 1 DI + 1 DO + 3 DIO + 1 RLY
Product cooling version	Air cooling (A)



Electrical characteristics

Network side electrical characteristics

Power supply number of phases	3
Power supply voltage and frequency	380 to 480V (±10%) 45 to 66Hz
Power supply nominal current (A)	232.0

Motion side electrical characteristics

Heavy duty / Control RFC-A

Continuous output current (A)	180.00 @ 3 kHz - 40°C
Output maximal current (A)	350.00
Maximum overload duration from 100% Ico (s) / repetitivity (s)	5.00 / 600.00
Maximum overload duration from cold (s) / repetitivity (s)	42.00 / 600.00

Power supply voltage (V ±10%)	Power supply number of phases	Power supply nominal current (A)	Overload	Maximum ambient temperature (°C)	Switching frequency (kHz)	Continuous output current (A)	Losses (W)
400	3	232.0	Heavy duty	40	3	180.0	2039
					4	180.0	2274
					6	157.0	2418
					8	130.0	2425
					12	92.0	2476
				50	3	180.0	2039
					4	174.0	2200
					6	143.0	2228
					8	119.0	2262
					12	83.0	2322
			Normal duty	40	3	221.0	2565
					4	221.0	2844
					6	192.0	2966
					8	159.0	2917
					12	108.0	2807
				50	3	221.0	2565
					4	213.0	2738
					6	175.0	2709
					8	144.0	2675
					12	97.0	2611

Power supply voltage (V ±10%)	Power supply number of phases	Surcharge	Mode de fonctionnement	Output maximal current (40°C) (A)	Maximum overload duration from 100% Ico (s)	Maximum overload duration from cold (s)
400	3	Heavy duty	Closed loop control mode	350.0	5.00	42.00
			Open loop control mode	300.0	7.00	60.00
		Normal duty	Open loop control mode	243.1	9.00	165.00

characteristics

Size	09	Drive flow rate (m3/h)	402
Dimensions (HxWxD)	1010 x 310 x288	accoustic noise (dB(A))	75
Weight (kg)	59.00	Maximal altitude (m)	1000
Protection indice	IP20	Maximal relative humidity (%)	95

Version V8.305

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Power options, network side

Line choke	INL401 - 245A - 0.063mH - 2%	In (A)	Inductance (mH)	Losses (W)	Dimensions (HxWxD)	Weight (kg)
		245	0.063	0	240 x 225 x 190	32.0

Power options, motion side

Braking transistor	Braking transistor Included
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Integral options

Integrated control interface	Without display and setting
HMI / keypad	KI-KEYPAD LCD
PC communication interface	-
Option slot SM/SI 1	-
Option slot SM/SI 2	-
Option slot SM/SI 3	-
AI Option / Smartcard slot	Settings duplication card (SmartCard_64k)
HD15 / terminals feedback device interface	-

Environmental options

IP / UL / through panel kits	-
Product fan management	-

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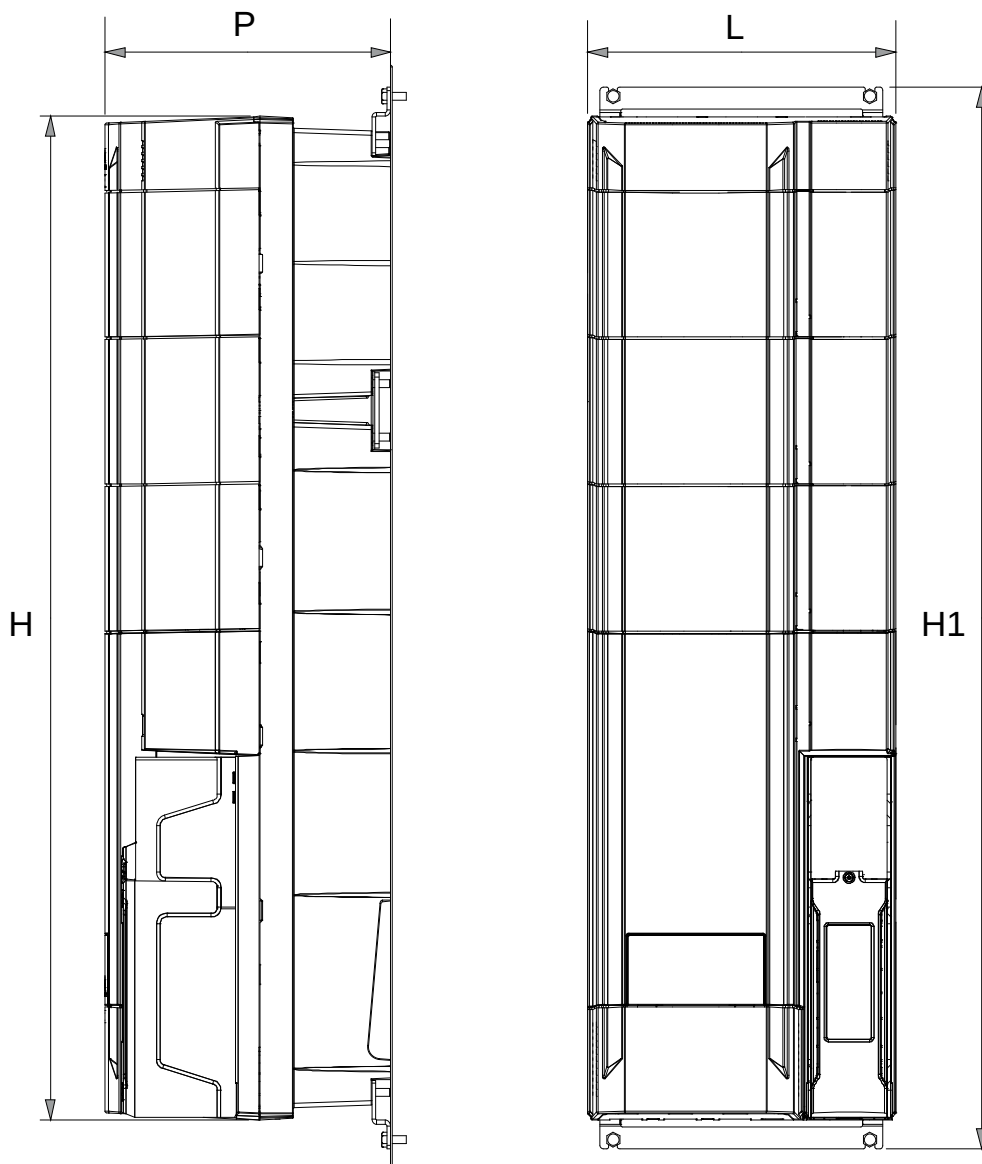
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Variable speed drive (6 pulses) : Unidrive M700-09402000E10100AB100



H (mm)	1010
H1 (mm)	1069
H2 (mm)	0

L (mm)	310
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P (mm)	288
P1 (mm)	0

Weight (kg)	59.00
Total weight (kg)	91.30

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