

N° :

DATASHEET

Date : 8 janv. 2021

Universal drive IP20 with options
Unidrive M700-09402240E10100AB100
line choke ; keypad ; SmartCard_64k ;

Definition

Product range	Unidrive
Model	M700-094-02240E10100AB
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)	267.0

Motion side electrical characteristics

Heavy duty / Control RFC-A

Continuous output current (A)	211.00 @ 3 kHz - 40°C
Output maximal current (A)	392.00
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	267.0	Heavy duty	40	3	211.0	2400
					4	190.0	2403
					6	157.0	2416
					8	130.0	2424
					12	92.0	2473
				50	3	193.0	2184
					4	175.0	2209
					6	143.0	2233
			Normal duty	40	8	119.0	2258
					12	83.0	2320
					3	255.0	2998
					4	231.0	2984
					6	192.0	2955
					8	160.0	2925
					12	109.0	2821
				50	3	237.0	2760
					4	213.0	2735
					6	176.0	2723
					8	144.0	2675
					12	98.0	2632

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	392.0	5.00	42.00
			Open loop control mode	336.0	7.00	60.00
		Normal duty	Open loop control mode	292.6	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

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Power options, network side

Line choke	INL401 - 245A - 0.063mH - 2%	In (A) 245	Inductance (mH) 0.063	Losses (W) 0	Dimensions (HxWxD) 240 x 225 x 190	Weight (kg) 32.0
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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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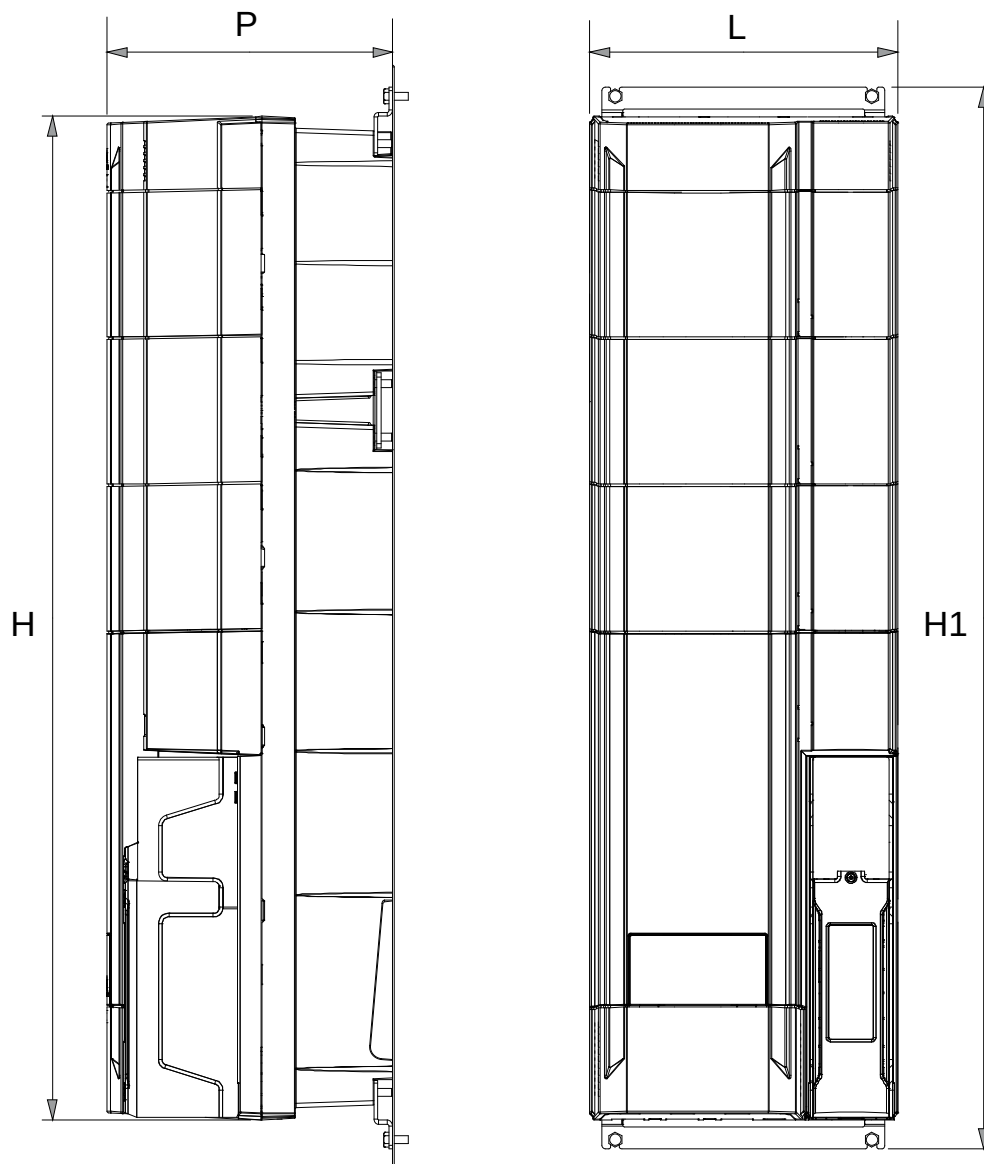
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Variable speed drive (6 pulses) : Unidrive M700-09402240E10100AB100



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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