

N° :

Date : 10 déc. 2019

Universal drive IP20
Unidrive M701-09402000A10100AB100

Definition

Product range	Unidrive
Model	M701-094-02000A
Model	M701 (1 STO - 3 SI options - CodeSys - RS485) 6 pulses - internal choke (A)
Onboard Comms	Modbus RTU (RS485)
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 / Open loop control mode

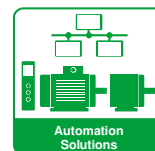
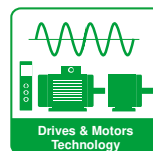
Continuous output current (A)	180.00 @ 3 kHz - 40°C
Output maximal current (A)	300.00
Maximum overload duration from 100% Ico (s) / repetitivity (s)	7.00 / 600.00
Maximum overload duration from cold (s) / repetitivity (s)	60.00 / 600.00

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	
			Normal duty	40	12	83.0	2322
					3	221.0	2565
					4	221.0	2844
					6	192.0	2966
				50	8	159.0	2917
					12	108.0	2807
					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)	1049 x 310 x290	accoustic noise (dB(A))	75
Weight (kg)	79.00	Maximal altitude (m)	1000
Protection indice	IP20	Maximal relative humidity (%)	95



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Power options, network side

Line choke	In (A)	Inductance (mH)	Losses (W)	Dimensions (HxWxD)	Weight (kg)
-	0	0	0	0 x 0 x 0	0.0

Power options, motion side

Braking transistor	Braking transistor Included

Integral options

Integrated control interface	Without display and setting
HMI / keypad	-
PC communication interface	-
Option slot SM/SI 1	-
Option slot SM/SI 2	-
Option slot SM/SI 3	-
AI Option / Smartcard slot	-
HD15 / terminals feedback device interface	-

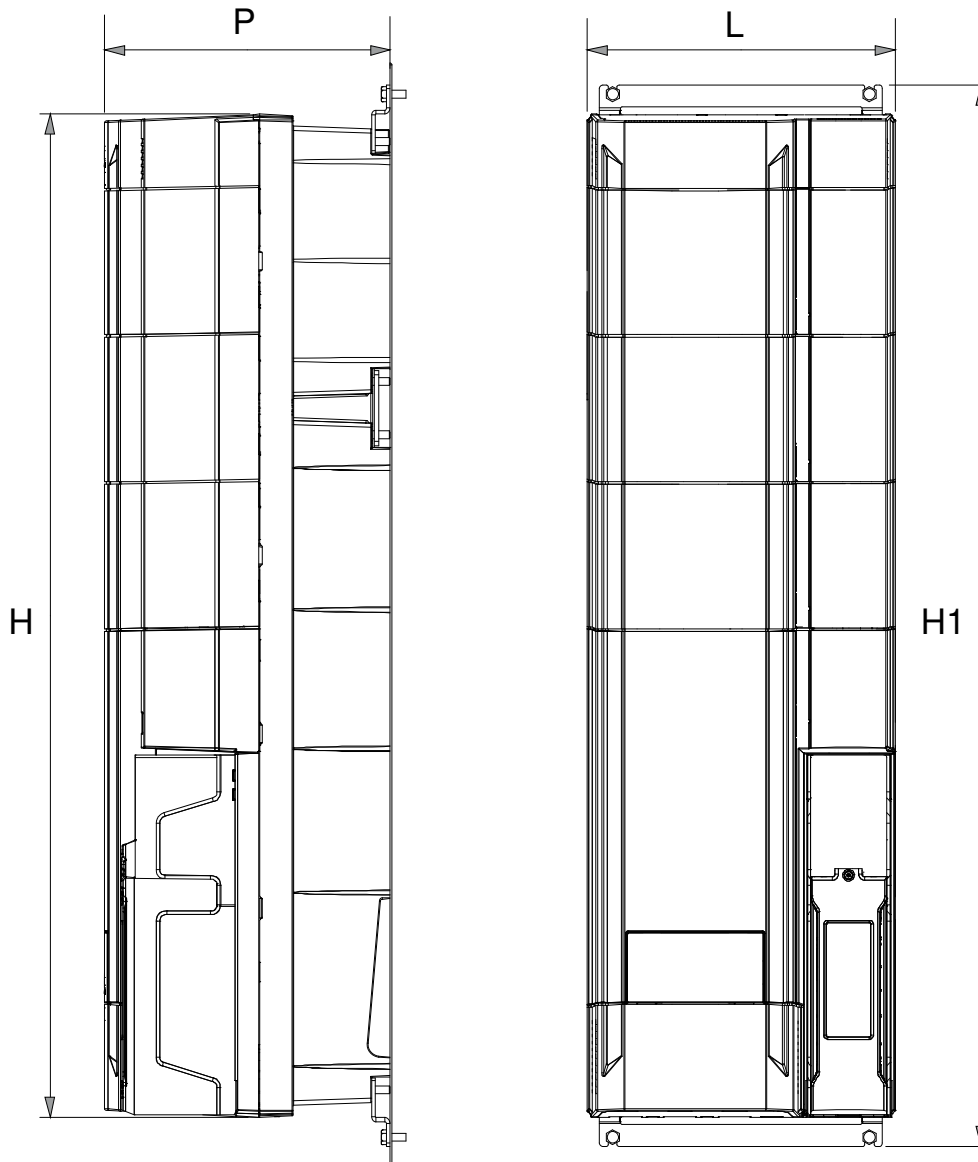
Environmental options

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

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Variable speed drive (6 pulses) : Unidrive M701-09402000A10100AB100



H (mm)	1049
H1 (mm)	1108
H2 (mm)	0

L (mm)	310
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P (mm)	290
P1 (mm)	0

Weight (kg)	79.00
Total weight (kg)	79.00