

N° :

DATASHEET

Date : 7 janv. 2021

Universal drive IP20 with options

Unidrive M700-07400770A10100AB100

keypad ; SmartCard_64k ;

Definition

Product range	Unidrive
Model	M700-074-00770A
Model	700 (1 STO - 3 SI options - CodeSys - Ethernet) 6 pulses - internal choke (A)
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)	88.0

Motion side electrical characteristics

Heavy duty / Control RFC-A

Continuous output current (A)	77.00 @ 3 kHz - 40°C
Output maximal current (A)	154.00
Maximum overload duration from 100% Ico (s) / repetitivity (s)	3.00 / 600.00
Maximum overload duration from cold (s) / repetitivity (s)	28.00 / 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	88.0	Heavy duty	40	3	77.0	812
					4	70.0	802
					6	59.0	800
					8	51.0	811
					12	44.0	811
				50	3	77.0	808
					4	70.0	804
					6	57.0	779
					8	48.0	773
					12	41.0	773
			Normal duty	40	3	94.0	999
					6	94.0	1264
					8	80.6	1241
					12	63.0	1241
				50	3	94.0	999
					4	94.0	1087
					6	86.5	1163
					8	73.3	1138
					12	58.3	1138

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	154.0	3.00	28.00
			Open loop control mode	115.5	7.00	60.00
		Normal duty	Open loop control mode	103.4	9.00	165.00

characteristics

Size	07	Drive flow rate (m3/h)	133
Dimensions (HxWxD)	508 x 270 x279	acoustic noise (dB(A))	66.8
Weight (kg)	32.00	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
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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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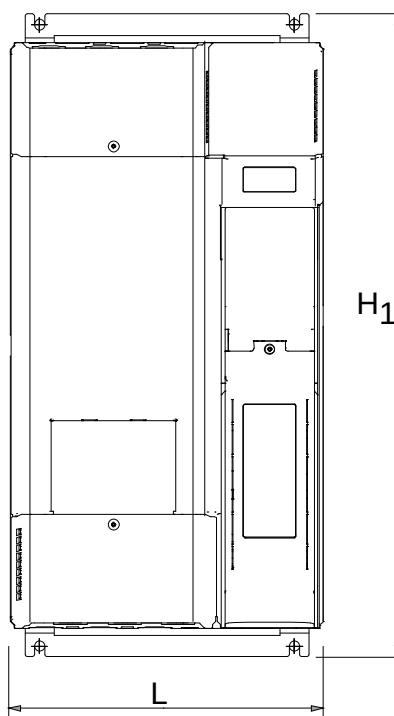
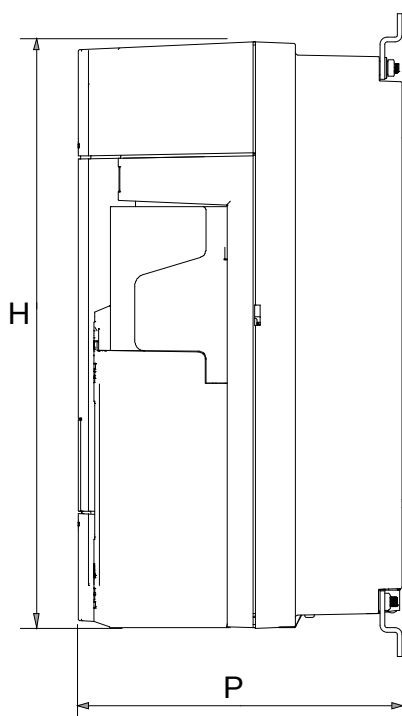
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Variable speed drive (6 pulses) : Unidrive M700-07400770A10100AB100



H (mm)	508
H1 (mm)	557
H2 (mm)	0

L (mm)	270
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P (mm)	279
P1 (mm)	0

Weight (kg)	32.00
Total weight (kg)	32.30

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