

N° :

DATASHEET

Date : 7 janv. 2021

Universal drive IP20 with options

Unidrive M700-08401570A10100AB100

keypad ; SmartCard_64k ;

Definition

Product range	Unidrive
Model	M700-084-01570A
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)	177.0

Motion side electrical characteristics

Heavy duty / Control RFC-A

Continuous output current (A)	157.00 @ 3 kHz - 40°C
Output maximal current (A)	314.00
Maximum overload duration from 100% I _{co} (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	177.0	Heavy duty	40	3	157.0	1541
					4	143.0	1670
					6	121.0	1674
					8	104.0	1673
					12	80.1	1673
				50	3	146.0	1564
					4	132.0	1539
					6	110.0	1518
					8	94.2	1531
					12	73.8	1531
			Normal duty	40	3	184.0	2004
					4	184.0	2191
					6	169.0	2333
					8	142.0	2279
					12	106.7	2279
				50	3	184.0	1957
					4	145.0	2114
					6	123.0	1998
					8	93.8	1979
					12	69.0	1979

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% I _{co} (s)	Maximum overload duration from cold (s)
400	3	Heavy duty	Closed loop control mode	314.0	3.00	28.00
			Open loop control mode	235.5	7.00	60.00
		Normal duty	Open loop control mode	202.4	9.00	165.00

characteristics

Size	08
Dimensions (HxWxD)	753 x 310 x 290
Weight (kg)	66.00
Protection indice	IP20

Drive flow rate (m3/h)	165
accoustic noise (dB(A))	67.9
Maximal altitude (m)	1000
Maximal relative humidity (%)	95

Version V8.305

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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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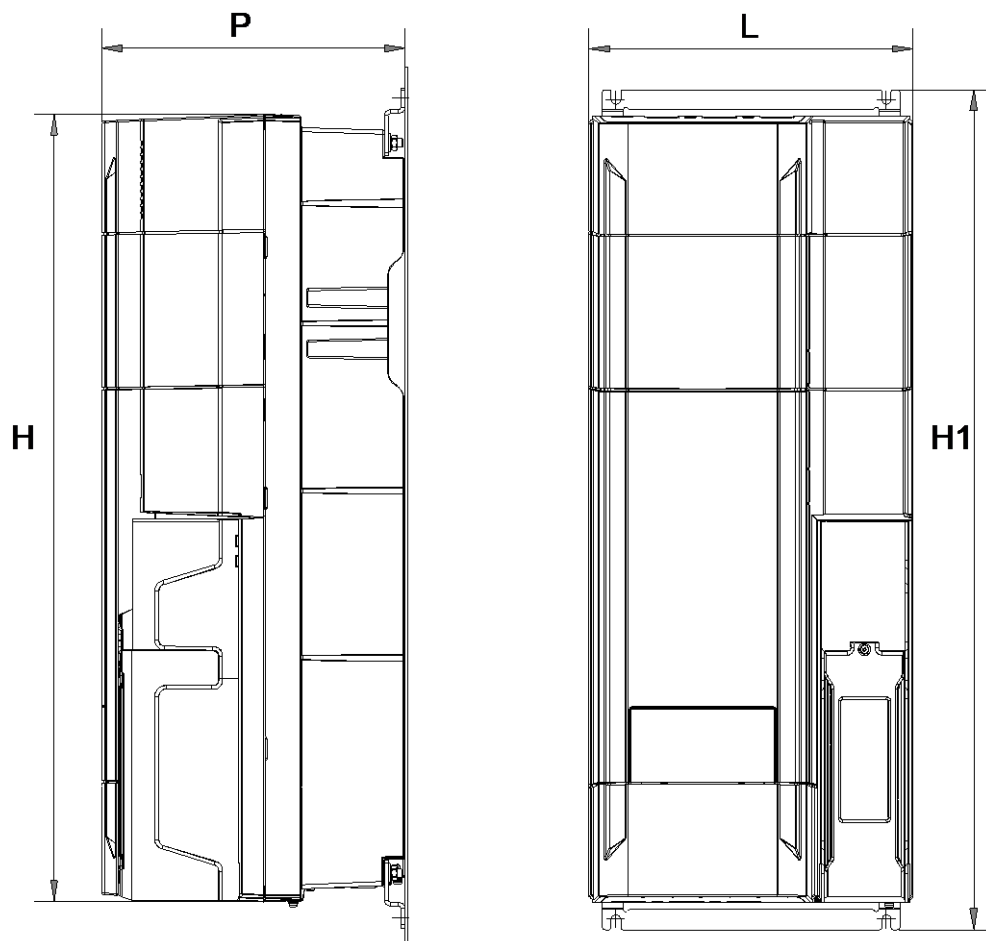
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Variable speed drive (6 pulses) : Unidrive M700-08401570A10100AB100



H (mm)	753
H1 (mm)	803
H2 (mm)	0

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

Weight (kg)	66.00
Total weight (kg)	66.30

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