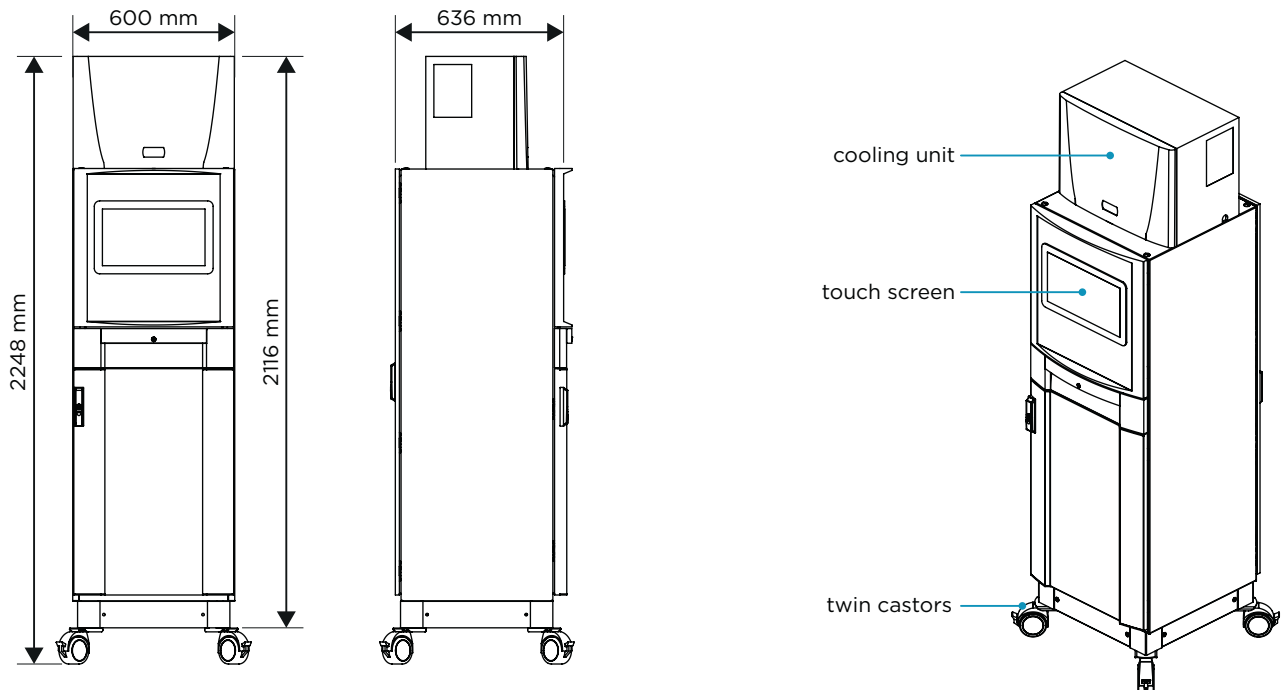


■ ARTICLE NUMBER 1-028-XXX

■ TECHNICAL DRAWING



■ INSTALLATION REQUIREMENTS

- free of heavy dirt, aggressive atmospheres and moisture
- the front side of the PC enclosure maintains a distance of at least 800 mm from other devices or walls
- with a maximum inclination of 2°
- with cooling: location with an ambient temperature of +10 °C to +55 °C
- without cooling: location with an ambient temperature of +10 °C to +35 °C
- pre-fuse must be equipped with 16 A

■ SAFETY INFORMATION

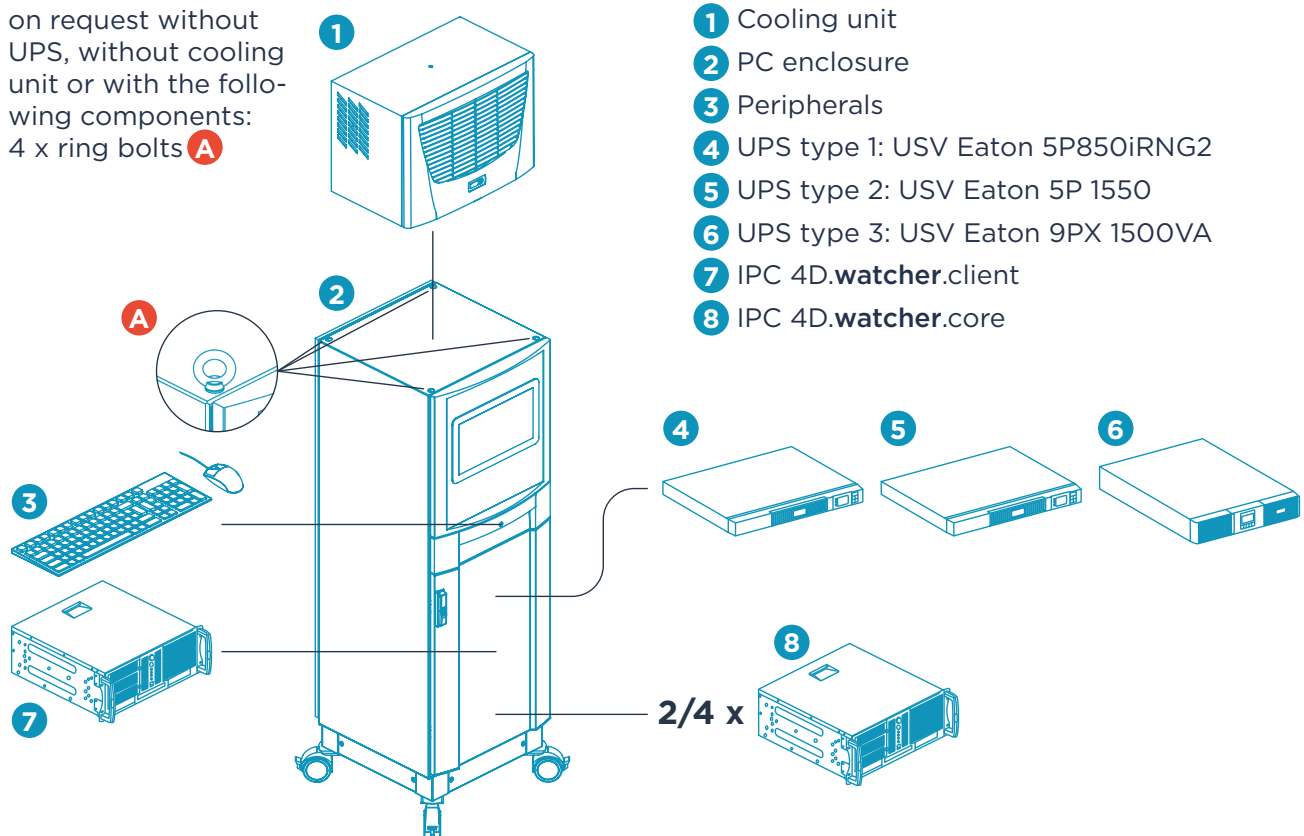
NOTE**Damage due to non-compliance with the manufacturer's documentation!**

Carefully read the documentation supplied for the installed components before using the PC enclosure system to prevent damage during installation, operation, maintenance and disposal.

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SYSTEM OVERVIEW

on request without UPS, without cooling unit or with the following components:
4 x ring bolts **A**



- 1** Cooling unit
- 2** PC enclosure
- 3** Peripherals
- 4** UPS type 1: USV Eaton 5P850iRNG2
- 5** UPS type 2: USV Eaton 5P 1550
- 6** UPS type 3: USV Eaton 9PX 1500VA
- 7** IPC 4D.watcher.client
- 8** IPC 4D.watcher.core

ARTICLE NUMBERS

	1-028-					
	033	034	035	039	040	041
Input voltage	115 V	230 V	230 V	115 V	230 V	230 V
Cooling unit	☒	☒	☒	☒	☒	☒
UPS	Type 3	Type 1	Type 1	Type 3	Type 2	Type 2
Number of 4D.watcher.cores	2	2	2	4	4	4
Keyboard	EN/US	EN/US	GER	EN/US	EN/US	GER

SPECIFICATIONS

PC Enclosure

IP protection category	IP 55 (with the keyboard drawer closed)		
Ambient temperature while operating	With cooling: +10 °C - +55 °C Without cooling: +10 °C - +35 °C		
Noise emission	<60 dB		
Dimensions			
Width	600 mm		
Height	1703 mm	(without cooling)	
	2116 mm	(with cooling)	
Depth	636 mm		

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PC Enclosure

Weight (with cooling)	2x 4D.watcher.core: ~ 217 kg (~ 479 lbs) 4x 4D.watcher.core: ~ 261 kg (~ 576 lbs)
Weight (without cooling)	2x 4D.watcher.core: ~ 180 kg (~ 397 lbs) 4x 4D.watcher.core: ~ 224 kg (~ 494 lbs)

Uninterruptible Power Supply (UPS)

UPS Type 1 5P850iRNG2	
Electrical properties	
Power capacity	850 VA / 680 W
Voltage and frequency (output)	230 V (+6/-10 %), 50/60 Hz
Connection	
Input	IEC C14 (10A)
Output	4 x IEC C13 (10A)
Switched outlet group	2 outlet groups
Battery	
Typical backup time	15 min @ 50 % load
Maintenance interval	Replace at least every 5 years or at the end of its service life, whichever is earlier
Communication	
Interface ports	1 USB port + 1 serial RS232 port and relay contacts (USB and RS232 ports cannot be used simultaneously), 1 mini terminal block for Remote ON/OFF and Remote Power OFF

UPS Type 2 Eaton 5P 1550	
Electrical properties	
Power capacity	1550 VA/1100 W
Voltage and frequency (output)	230 V (+6/-10 %), 50/60 Hz
Connection	
Input	1x IEC C14
Output	6x IEC C13
Switched outlet group	2 outlet groups
Battery	
Typical backup time	11 min @ 50 % load
Maintenance interval	Replace at least every 5 years or at the end of its service life, whichever is earlier
Communication	
Communication ports	1 USB port + 1 RS232 serial port and relay contacts (USB and RS232 ports cannot be used simultaneously), 1 mini terminal block for remote ON/OFF and Remote Power Off

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UPS Type 3 | Eaton 9PX 1500VA**Electrical properties**

Power capacity	1500 VA/1350 W
Nominal voltage	120 V default (100/110/120/125 V)

Connection

Input	5-15P
Output	8x 5-15R

Battery

Typical backup time	14 min @ 50 % load
Maintenance interval	Replace at least every 5 years or at the end of its service life, whichever is earlier

Communication

Communication ports	MiniSlot + 1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay-Communication slot
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COOLING

IP protection category	IP 34 (external circuit)
Total cooling output	0.47 kW – 0.78 kW (depending on outside temperature 35 °C – 50 °C, inside temperature 35 °C)
Air throughput (unimpeded air flow)	External circuit: 800 m ³ /h Internal circuit: 585 m ³ /h
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz 115 V, 1~, 50 Hz/60 Hz 100 V, 1~, 50 Hz/60 Hz (Japan)
Operating temperature range	+10 °C – +55 °C
Rated power P_{el}	0.36 kW – 0.48 kW (depending on outside temperature 35 °C – 50 °C, inside temperature 35 °C)

Dimensions

Width	597 mm
Height	417 mm
Depth	380 mm
Weight	37 kg (~ 82 lbs)

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