

# AVENIO Edge System

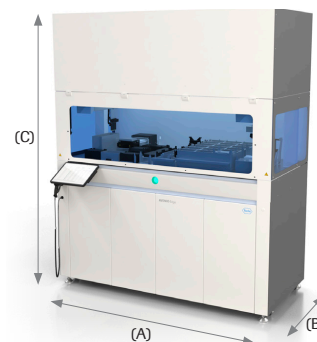


## Site preparation planning

### Planning

The AVENIO Edge System is delivered in four crates. A trained and certified Roche Service Representative (RSR) will support you in the preparation activities and will be necessary to perform the installation. This document will orient you about the key space, power and operating requirements. You may need to consider a storage area for the crates between the delivery and scheduled installation date. Please coordinate with your RSR on delivery and installation dates.

AVENIO Edge Instrument: 09283234001  
 Fortigate 60F Firewall: 09539913001  
 Unified Gateway (US version) : 10169516001  
 AVENIO Designer Software: 09424962001



### Site requirements

#### Power requirements:

##### Mains voltage range:

110V to 125V ±10%

200V to 240V ±10%

##### Mains frequency range:

50Hz ±5% to 60Hz ±5%

##### Power consumption:

1760 VA to 2300 VA

#### Environmental conditions:

##### Operating temperatures:

+15°C to +30°C (+59°F to +86°F)

##### Relative humidity, (rH):

30% to 80% (non-condensing)

#### Instrument dimensions:

Width (A)	1659 mm
Depth (B)	990 mm
Height (C)	2043 mm
<b>Total weight: 560.9 kg</b>	

### Instrument components

You will receive the following four crates, each containing one (1) each of the following:

#### 1 Base Unit

(W X D X H: 1820 x 990 x 1500 mm; weight: 305 kg)

##### Chassis

Includes: Interface for earthquake protection, status light and drip trays

##### Pipetting arm

Includes: Lower Disposable Tip eject

##### Gripper arm

Includes: Gripper head and 2D barcode scanner

##### Touchscreen

Includes: Mount

##### Front flap

Includes: Door locks

##### Top panels and roof

Includes: LED-strip and UV-C Purion 36W UV light

##### 2x Side panels

Includes: Fans and diverters

Includes: Fans and diverters

##### Deck segment back panel (IDS6)

#### 2 Instrument Deck

(W X D X H: 2190 X 1010 X 770 MM; WEIGHT: 230 KG)

##### Deck

Includes: Plate and lid storage magazines, short and long gripper finger exchange station

##### Deck segment 2

Includes: 17x tip tray positions, quantification plate magazine

##### Deck segment 3

Includes: Trough carrier, trough lid park, reagent mini rack carrier, combi tool, cooling tube rack carrier

##### Deck segment 4.1

Includes: Primer plate magazine, cooling unit, 5x cooling tube racks, 2x cooling lids, cooling lid park position

##### Deck segment 4.2

Includes: Output plate position, input position and strip tube downholder, 2x tip park position, lid park position

##### Deck segment 5

Includes: Separation station, heater shaker, thermal cyclor, 2 waste chutes, liquid waste plate position

#### 3 Cabinet

(W X D X H: 2190 X 1010 X 1070 MM; WEIGHT: 189 KG)

##### Cabinet

Includes: Power button, 2x USB connection, 4x feet & rollers, interface for earthquake protection

##### 4x doors

Includes: Door lock (left compartment)

##### Shelf (right compartment)

##### Side panels

##### Back panel

Includes: Fan and diverters

##### Solid waste compartment

##### Industrial PC

##### Power box

##### USB hub

##### Thermal cyclor controller box

##### Cooling unit

##### Handheld barcode scanner

Includes: Mount

#### 4 Quantification Module

(W X D X H: 765 X 610 X 460 MM; WEIGHT: 32 KG)

##### Quantification module

##### Software

AVENIO Edge Software (preinstalled)

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### Hardware installation

A team of 4 professional movers will safely deliver the instrument into the lab. Time and effort needed for transport will depend on the local layout and space available. We recommend a walk through to check doors and elevator prior to installation. The RSR will instruct the movers and supervise the installation of the base unit and its cabinet.

### Layout

#### Transport condition on wheels

**Minimum space requirements:**

A x B x C = 1659 x 900 x 2043 mm

**Net weight of instrument: 5500 N****Wheel diameter:**

50 mm, avoid threshold,  
sensitive to shock

#### Operating condition

**Minimum space requirement:**

D x E x F = 2659 x 1984 x 2100 mm

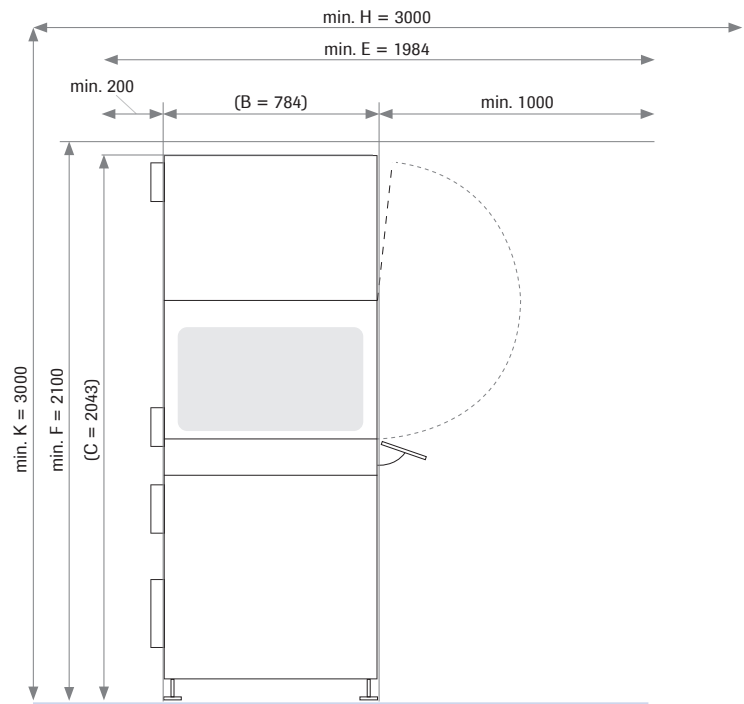
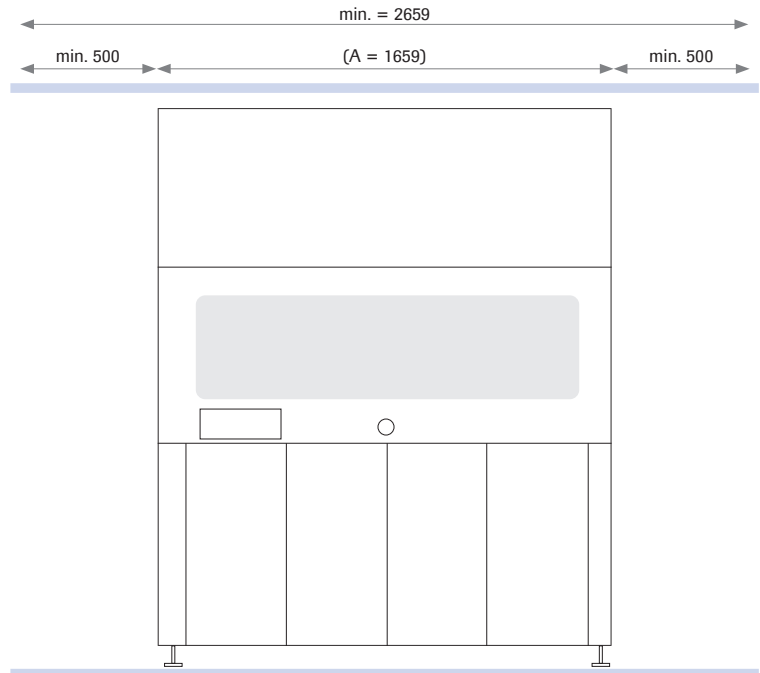
**Maximum pressure on floor of each foot:**

less than 1 MPa

#### Construction and service condition

**Minimum space requirement:**

G x H x K = 2659 x 3000 x 3000 mm



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