

AVENIO Edge System

Site preparation planning

Planning

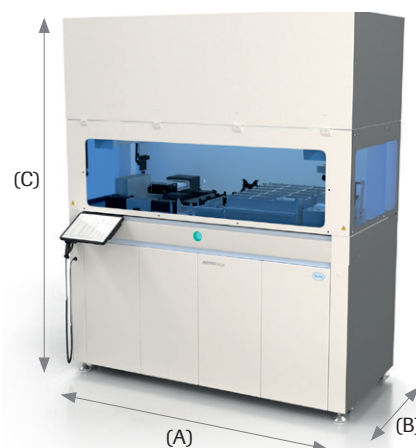
The AVENIO Edge System is delivered in four crates. A trained and certified Roche Service Representative (RSR) will support you in the preparation activities and will be necessary to perform the installation. This document will orient you about the key space, power and operating requirements. You may 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 50E Firewall: 908153299001

cobas® Link 2 Datastation EU version: 07269234001 US version: 05440203005

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)	900 mm
Height (C)	2043 mm
Total weight:	560.9 kg

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

Back panels (upper and lower part)

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 cyclers, 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 cyclers 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)

AVENIO Edge System *Site preparation planning*

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:

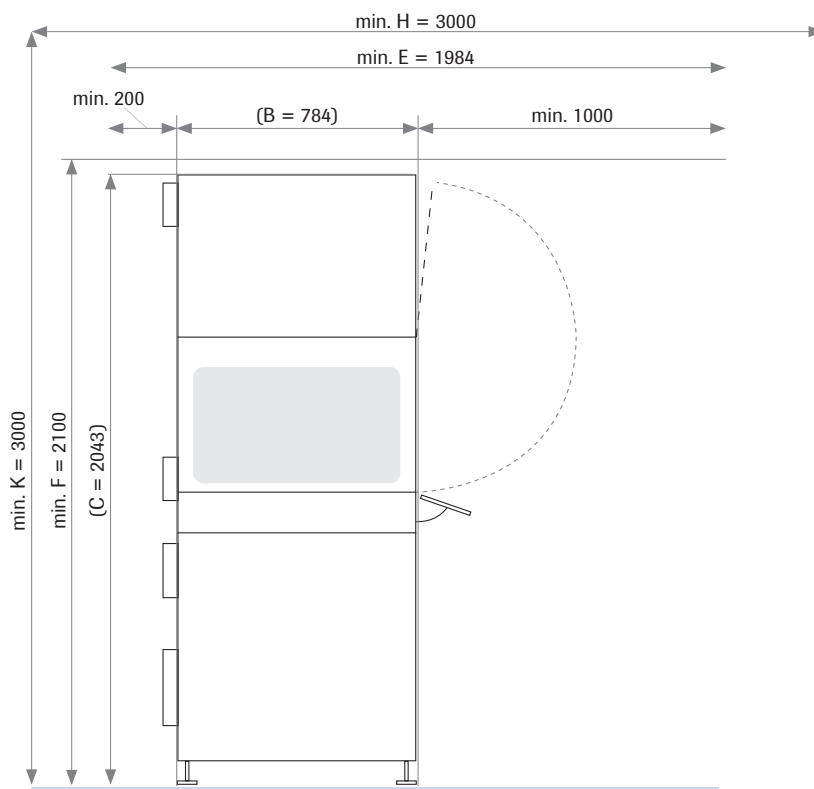
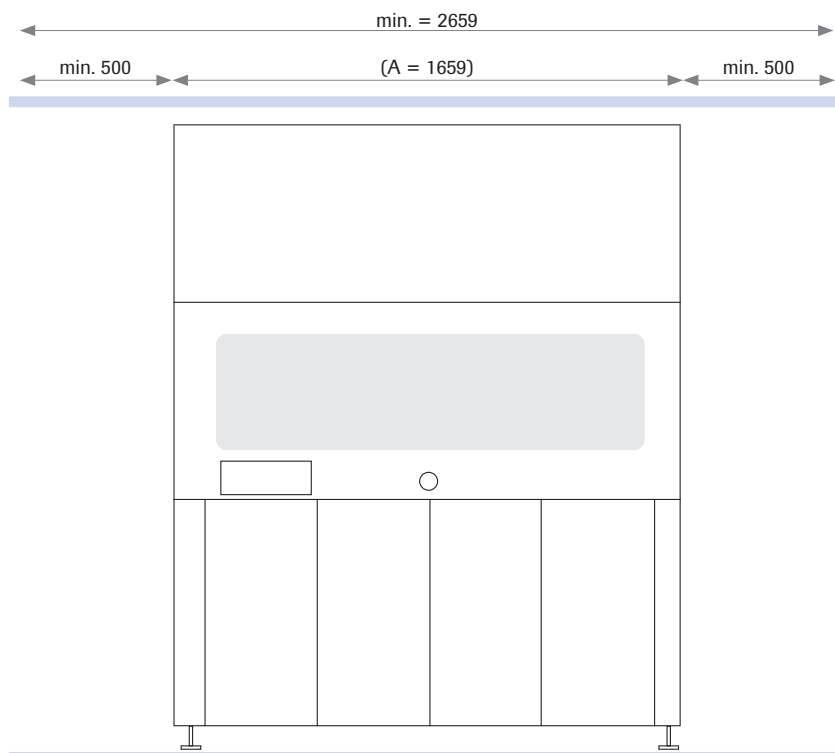
D x E x F = 2659 x 1984 x 2100 mm

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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