

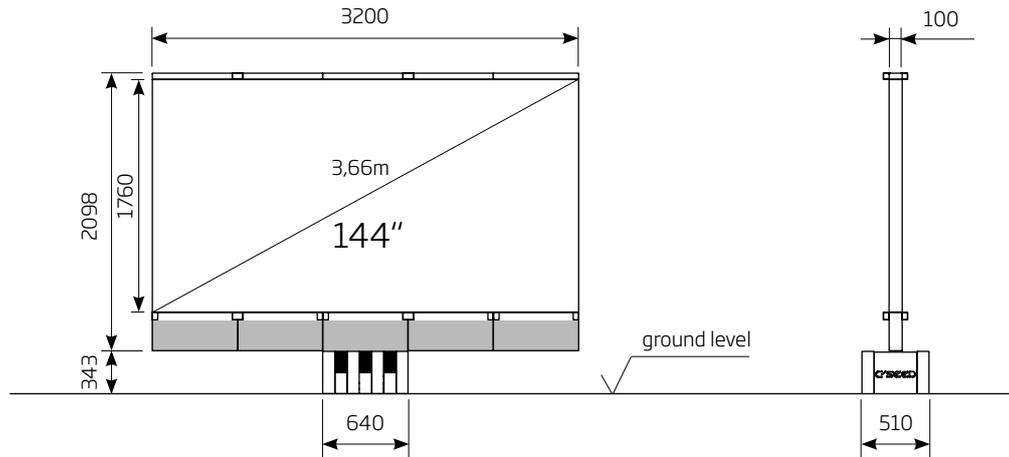


IMPLEMENTATION CONCEPT

C SEED 144 HLR



C/SEED



PHYSICAL DIMENSIONS TV

LED TV size (diagonal)	inch/mm	144 / 3658
LED TV size (width)	inch/mm	126 / 3200
LED TV size (height)	inch/mm	69 / 1760
Standard LED screen (depth)	inch/mm	3.9 / 100
LED TV area	sq.ft./m ²	60,3 / 5,6
LED TV system weight	kg	1650

TV SYSTEM

Brightness	nits	4,000
Pixel Pitch	mm	1,60
Processing Depth	bit	16 per color
Color Spectrum	colors	64 billion
Refresh Rate	Hz	3,840
Lifespan LED	h	100,000
Contrast Ratio		7,000:1
Colour Temperature	k	6,500 - 10,000
Viewing Angle- Horizontal Vertical	degrees	160 160
LED fixings		back - service
Operating Temperature range	°C	-20 to +45
Broadband speaker peak out	W	2 x 250
Broadband speaker frequency range		40 Hz - 22 kHz

INPUT / OUTPUT

Video Input	1 x HDMI, HDCP 2.2 support
Serial In/Output	2 x USB, 1 x RS232
Audio Output	pre-amp, 11.2, independent sub
Network Connection	1 x RJ45

OPERATION

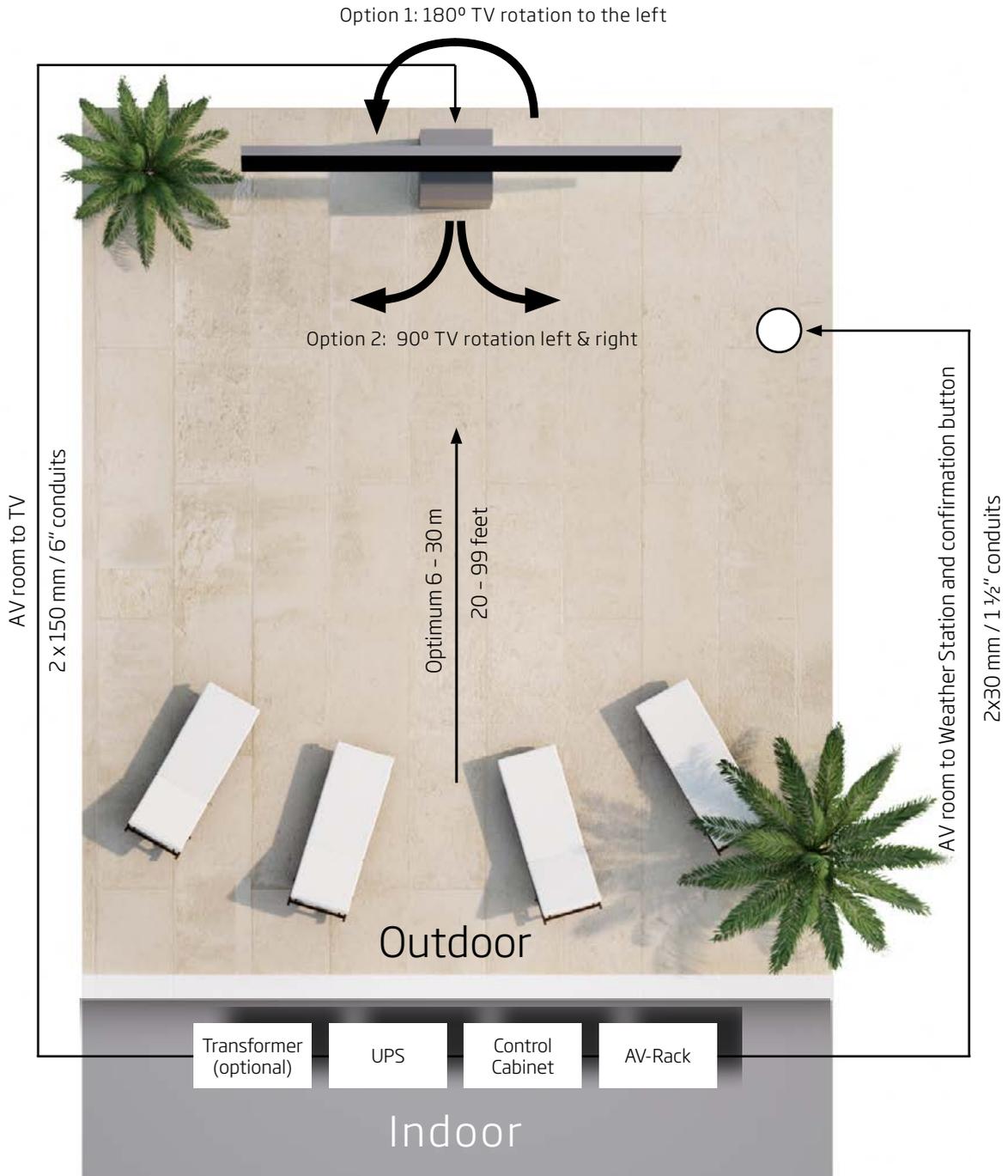
Power Supply LED screen		3 x 400V+N+PE/32A/50-60Hz AC (3~)
Input Power max typical	W/m ²	880 230
Power Consumption max typical	kW	14 3.8

PHYSICAL DIMENSIONS STOWED POSITION

Concrete basin size (Length)	inch/mm	160 / 4.060
Concrete basin size (Width)	inch/mm	42 / 1.060
Concrete basin size (Height)	inch/mm	34 / 844

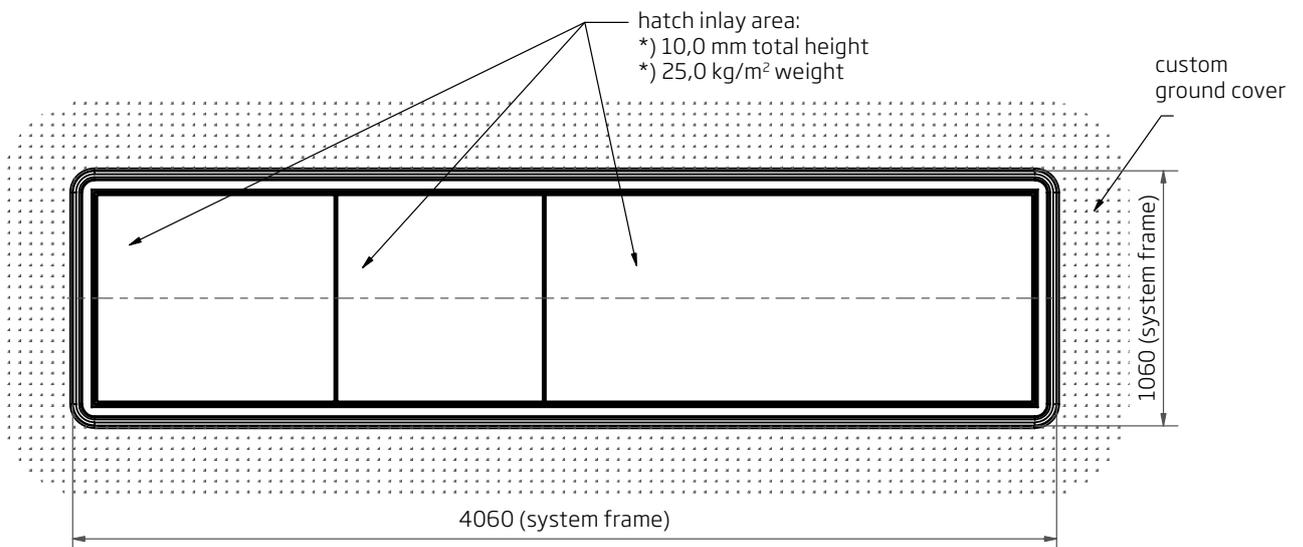
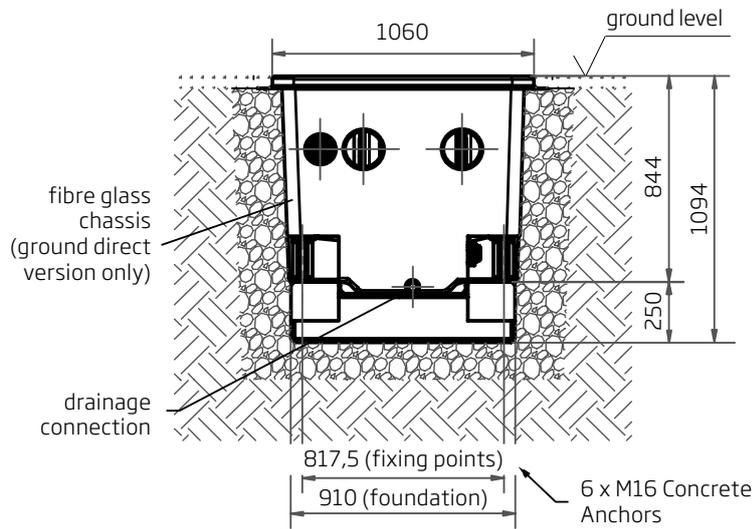
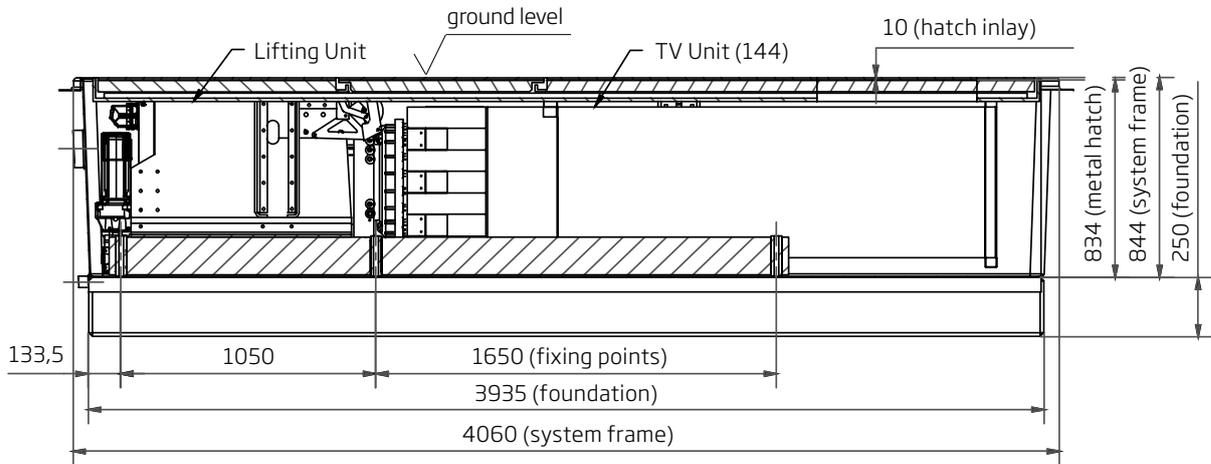
SPECIFIC FEATURES

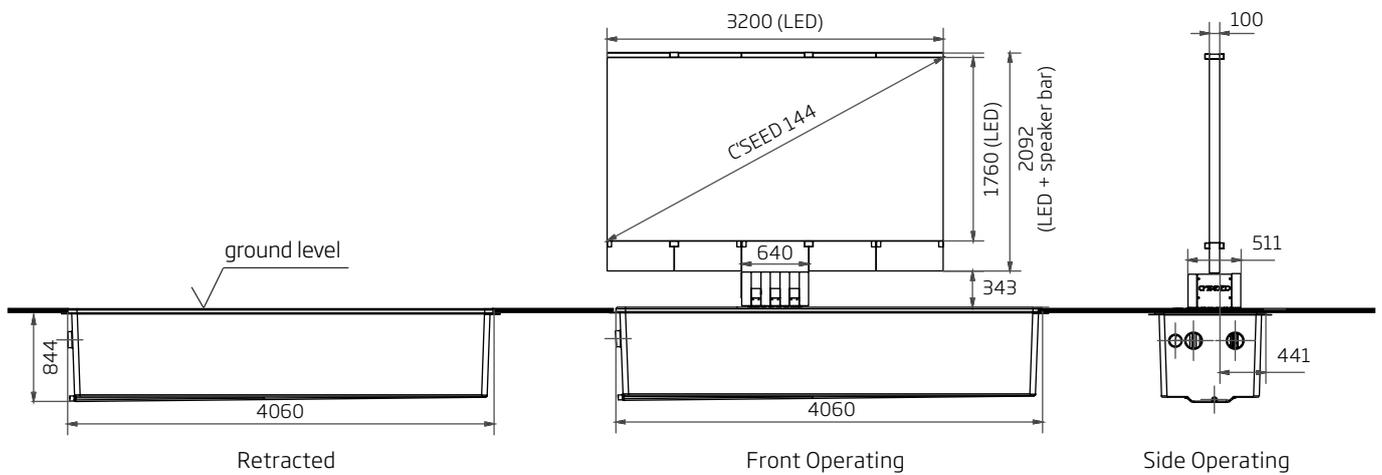
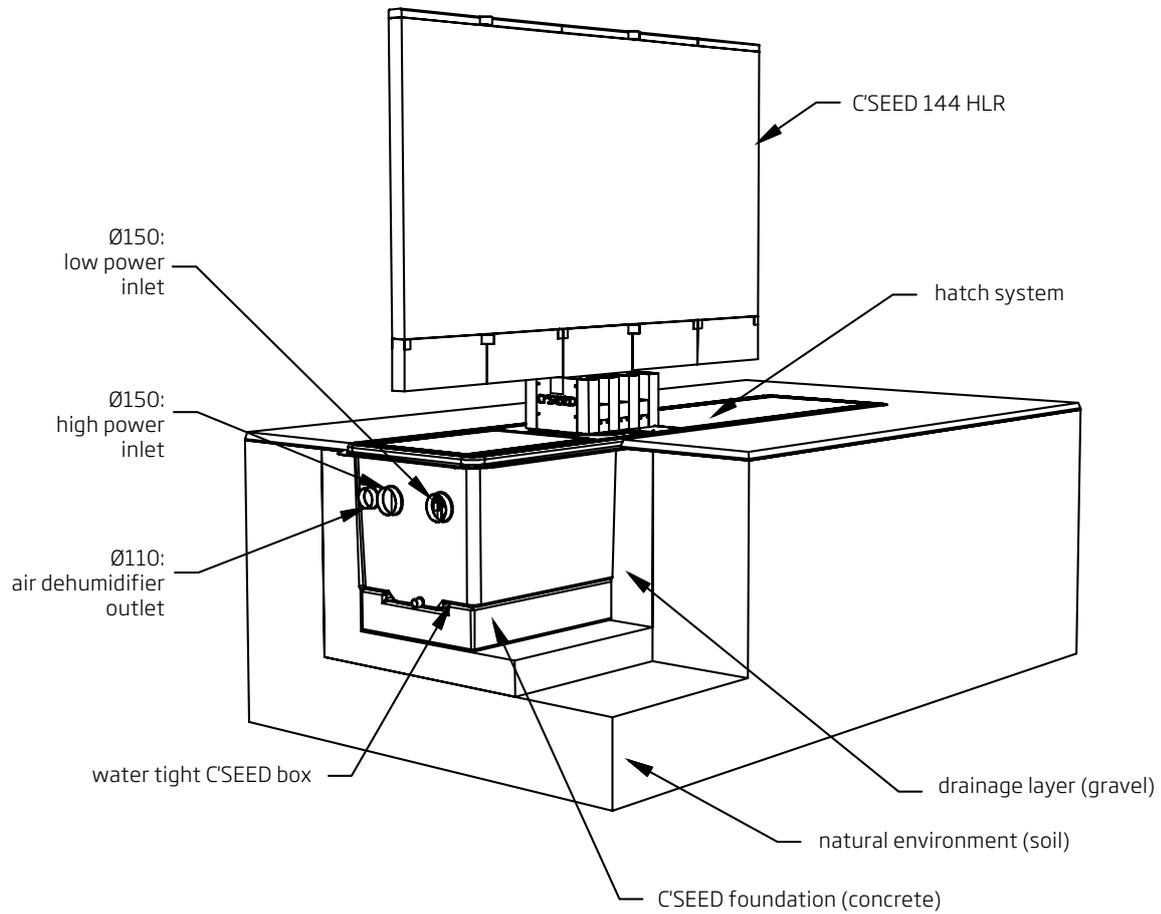
Automatic TV Cover	Option 1: 180° TV rotation to the left
	Option 2: 90° TV rotation left & right

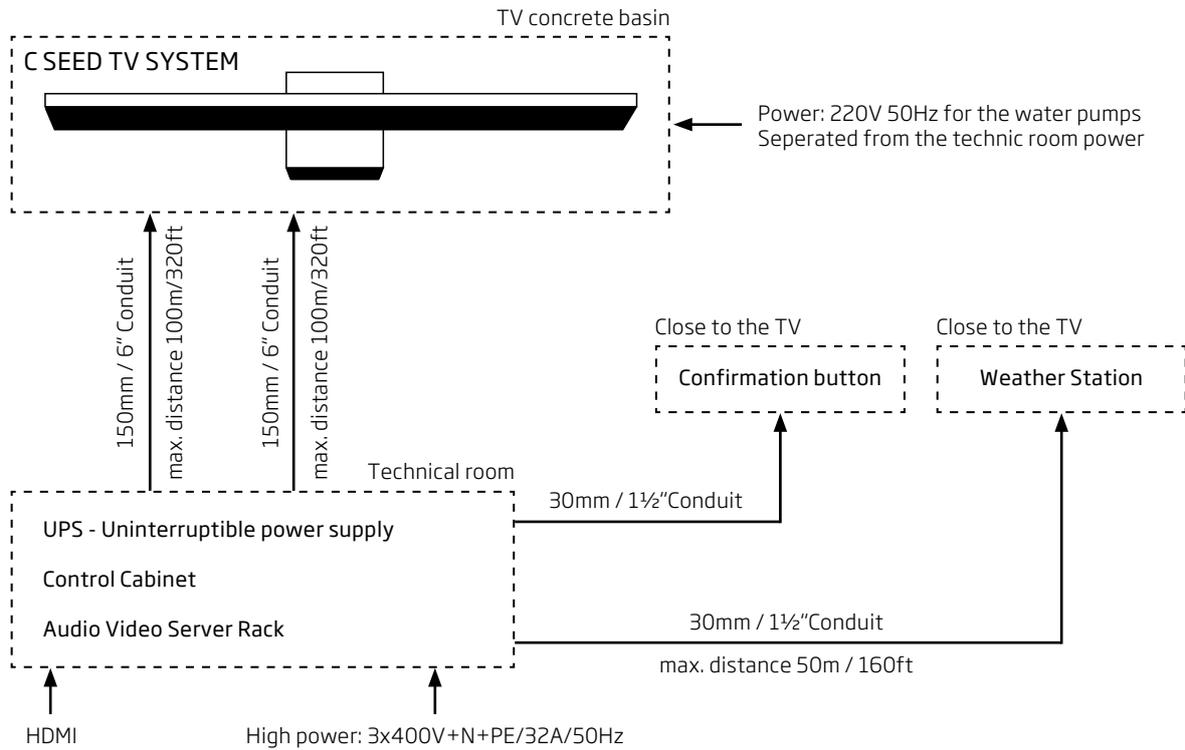


ACCORDING TO EXACT POSITIONS OF CABLING CONDUITS:

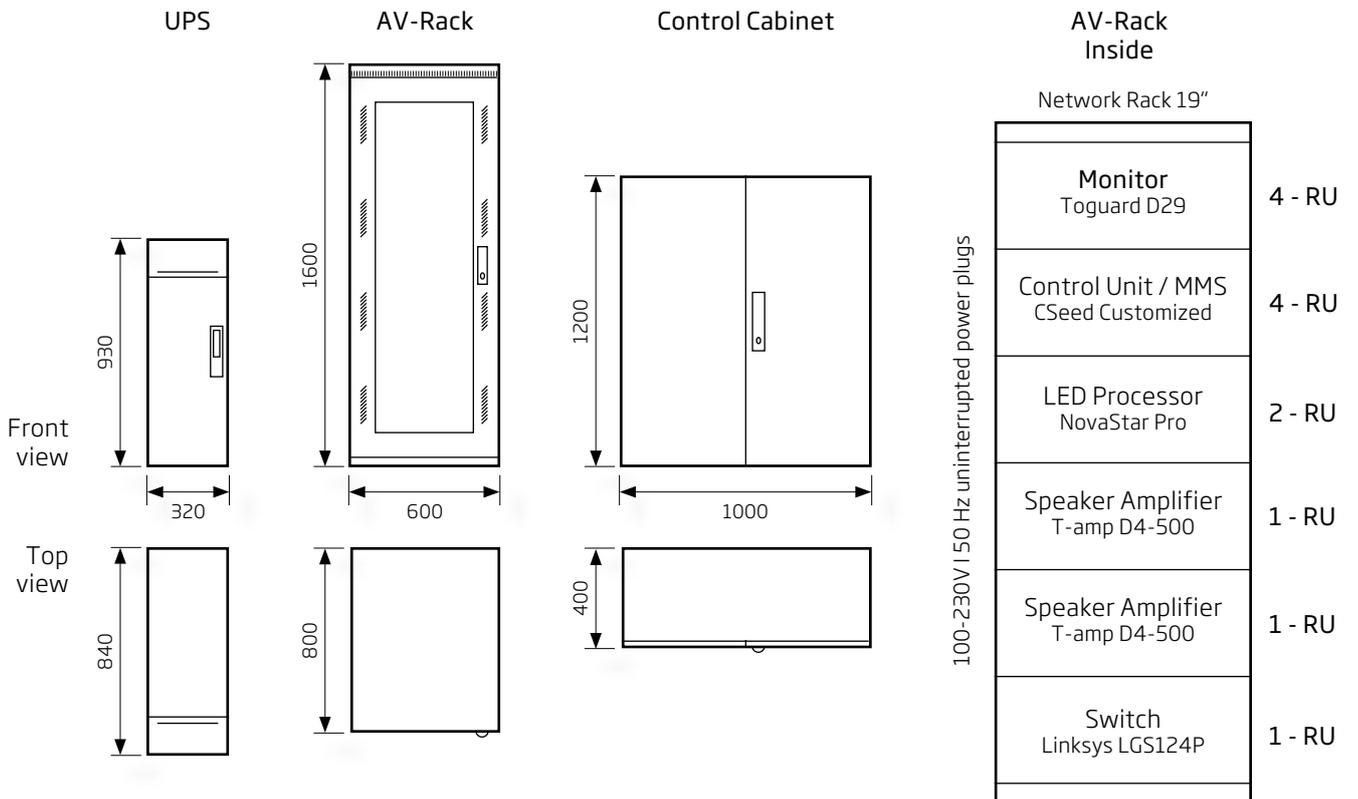
- C SEED 144 HLR to UPS (max. 100 m | 320 feet)
- C SEED 144 HLR to control cabinet unit (max. 100 m | 320 feet)
- C SEED 144 HLR to AV - Rack (max. 100 m | 320 feet)







EQUIPMENT



TV CONCRETE BASIN

- 4060x1060x844 mm | 160x42x34 inches | LxWxD
 - according to final TV concrete basin plan
- Earthing of the TV well (min. 3 times)
- Drainage - Natural drainage directly from the sump pit
- Emergency stop buzzer
- Confirmation Bottom
- HMI | Touch panel for wired system control
- Dehumidifier device (provided by C SEED)

TECHNICAL ROOM

100m | 320 feet from TV concrete basin | 2 Conduits with 150mm | 6 inches (not less)

Transformer | Power Converter (provided by owner of the venue)

- Requested Output: 400V - 32A- 3 Phases +N +PE.

UPS | uninterrupt power supply

- 32x93x84 cm | 12x36x33 inches | WxHxD
- High power: 3x400V+N+PE/32A/50-60Hz uninterrupt high power
 - high power transformer needed (provided by owner of the venue)

Control Cabinet

- 1000x1200x400 mm | 39x48x16 inches | WxHxD
 - feed cable with 5 pins or 4 pins plus additional earthing
- power protection with a "fault-current circuit breaker AC/DC sensitive and electric frequency converter capable"

AV Rack

- SAT | video | TV signals to be connected via HDMI inputs
- 6x 230V | 50 Hz uninterrupt power (European plugs)
- Internet connection as of beginning of installation (permanent!)
- Rack monitor
- HDMI Input 1pcs.

WEATHER STATION / WIND SENSOR

- Location near the screen - conduit needed to TV concrete basin ca .30mm | 1 ½ inches

CABLING DUCTS AND CONDUITS

- 1 tube with diameter ca. 150 mm | 6 inches (not less)
 - Located between electricity cabinet and TV concrete basin (high power connection)
- 1 Tube with diameter ca. 150mm | 6 inches (not less)
 - Located between AV rack and TV concrete basin (data cables from MMS)
- 1 Tube with diameter ca. 30mm | 1 ½ inches (not less)
 - Located between weather station and control cabinet (weather station data)
- 1 Tube with diameter ca. 30 mm | 1½ inches (not less)
 - Located between Control Cabinet and Confirmation Button

SERVICES PROVIDED BY AND AT THE EXPENSES OF THE OWNER OF THE VENUE

- High power: 3x400V+N+PE/32A/50-60Hz uninterrupted high power at UPS
- Internet connection at the AV - Rack as of beginning of the installation
- WIFI I WLAN at the venue as of beginning of the installation
- Permissions of local authorities as appropriate
- Civil engineer calculations I statics and permits
- Access for heavy duty excavator, crane and trucks to TV well
- Excavation for the construction of the TV concrete basin according to ground-structure
- Waterproof construction of the TV concrete basin according to C SEED plans
- Cabling ducts and conduits to and from TV concrete basin according to plan
- Sat I video I TV signals at the AV-Rack
- Crane on site approximately 10 hours in total (max. 4,5 tons & 5 meters of height)
- Revitalization of the venue when operating I post-installation

SERVICES PROVIDED BY C SEED

- 2 Site Visits
 - First site visit (meeting with construction company I civil engineer I etc.)
 - Second site visit (Control of the finished construction before delivery)
- Standard plan for construction of the TV well for local civil engineer
- Plan of locations (indoor I outdoor) of system components
- Plan of cabling ducts and conduits
- Delivery of all cables (electrical & optical fiber cables)
- Coordination with local electrician
- Coordination with local sat I video I TV professional
- Implementation, programming & testing of the C SEED 144 HLR
 - TCP/IP control protocol for home automation
- Operation training for technical staff of the venue

Checklist Customer

- High power: 3x400V+N+PE/32A/50-60Hz uninterrupted high power at UPS
- Internet connection at the AV-Rack as of beginning of the installation
- WIFI I WLAN at the venue as of beginning of the installation
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- Cabling ducts and conduits to and from TV basin according to plan
- Sat I video I TV signals at the AV-Rack
- Crane on site approximately 10 hours in total (max. 4,5 tons)
- Revitalization of the venue when operating I post-installation
- Transformer I Power Converter -Requested Output: 400V - 32A- 3 Phases +N +PE
- Optional: Air condition system (provided by owner of the venue)
- Optional: Heating device (provided by owner of the venue)

Contacts

Owner representative _____

Construction company of the venue _____

C SEED Project manager _____

Vers.: 5.5/TZ/24.06.21

"The information and specification contained in the implementation concept are information purpose only and are subject to change without prior notice"

www.cseed.tv