

# TECHNICAL SPECIFICATIONS STADSSCHOUWBURG

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## LOADING AREA

- artist entrance, parking and loading docks: Kruitgracht (backside Stadsschouwburg)
- trailer lift outside, maximum weight 30.000 kg, door 2,95m x 2,90m
- trailer lift inside, maximum weight 20.000 kg, door 2,40m x 3,80m
- various loading tools, utility/hand trucks, scenery dollies and pallet jacks available

## PARKING

Backstage parking (Kruitgracht) is locked by a gate and limited to a maximum of 3 cars. Reservation via production is necessary. Nearby parking garages are: P-UMCG Noord (Antonius Deusinglaan 1), P-Damsterdiep (Damsterdiep 5) and P-Boterdiep (Bloemsingel 10).

## FIRE RESTRICTIONS

There are strict regulations governing the use of pyrotechnical devices, smoke and fire effects on stage. Please contact us well in advance if your production involves anything like this.

## DRESSING ROOMS

3 large (group) dressing rooms (2 with shower and toilet, 1 with toilet), 2 large dressing rooms (without shower and toilet), 4 small dressing rooms for 2 to 3 persons (1 with tv, all with shower and toilet). All dressing rooms are lockable and are furnished with tables, chairs, mirrors, adequate lighting, power outlets and a clothes rack. Fridge, ironing board, iron, washing machines and tumble dryers are available. SPOT Groningen cannot be held responsible in case of theft.

## GREEN ROOM

• spacious room with dining tables and chairs • hot drinks machine • microwave oven, fridges and heat lamps • plates, cups, cutlery and glassware • wardrobe

## PRODUCTION OFFICE AND WIFI

A small production office and WIFI is available.

## SHOWTIMES

Unless otherwise agreed, standard showtimes are

- evening 20:15 • matinee 14:30 • youth 19:30
- house opening in consultation with technical staff

**AUDITORIUM AND SEATING CAPACITY**

- Matcham style theatre with stalls, parterre, dress circle, grand circle, upper circle and boxes in renaissance style
- 750 seats, of which 58 over the orchestra pit

**ORCHESTRA PIT**

- orchestra level -3.93m • parterre level -0,88m • stage level 0m

**FRONT OF HOUSE CONTROL POSITIONS**

- rear of the parterre in the centre 3,80m x 1,75m
- control room in the rear of the dress circle in the centre 2,90m x 1,25m

**STAGE FLOOR**

- wooden stage floor (Keroewing)
- max. weight 500 kg/m<sup>2</sup>
- rake 0%
- dancefloor black/white 18,5m wide and extendable to 21,5m wide (with downstage to upstage wings)
- 4 cable traps / gutters (2 each side)

**FRONT CURTAIN**

- red colour
- traveller style, manual operation downstage left
- wagner style, electric control downstage left

**STAGE DRAPES**

- black
- fabric: wool serge (BS 5867-2)
- 7 pairs of legs: 6 pairs of 8,6m, 1 pair of 9m
- 7 borders: 6 x 3m, 1 x 5m
- 2 full black (made from legs)
- 1 mini full black: 14,5 x 9m (used as front black guillotine on the bar between the portal bridge and the front curtain)
- travelling side black masking on rails, under the LX bridges left and right (can be made full stage height by means of additional travelling masking hanging from the grid level down to the LX bridges)
- 1 cyclorama 15 x 10m
- 1 black gauze 19 x 9m

**PROMT DESK AND MISCELLANEOUS**

- prompt desk downstage left • 12 prop tables • 65 orchestra chairs
- 12 masking flats (approx. 3m tall) • 60 music stands with LED lights (DMX control possible)
- 1 conductor stand with LED lights (DMX control possible)

## **STAGE DECKS**

- 30 stage decks 2m x 1m
- 6 stage decks 1m x 1m
- 8 stage decks 0.5m x 1m
- 2 stage decks 2m x 0,5m
- various legs (20cm, 40cm, 60cm, 80cm, 100cm and 120cm)
- adjustable legs 60/100cm and 80/140cm
- 24 wheels for stage decks 20cm and 40cm

## **STAGE DIMENSIONS (\* from centre)**

### **HEIGHTS (from stage to floor)**

- height to fly floor 18,60m
- flybar height 17,60m
- portal bridge maximum height 8m, minimum height 0,5m
- proscenium opening 7,75m
- height to underside of lower bridge stage left 2,19m
- height to underside of LX bridges left and right 8,12m
- drop to auditorium floor at row 1 from stage level 0,88m
- orchestra pit is -3,93m from stage level

### **DEPTHS\* (from the rear of the tormentors/portal bridge, not the front of the stage)**

- depth to back wall 14,22m • depth to furthest upstage fly bar 13,40m
- rear of tormentors 0m, front of tormentors -0,70m
- front curtain -1,20m
- rear side of iron / fire curtain -1,44m • front side of iron / fire curtain -1,68m
- rear side of proscenium arch -1,82m
- front edge of stage -2,57m
- front edge of orchestra pit -6,40m
- front edge of dress circle -13,32m
- rear wall of auditorium -19,32

### **WIDTHS\***

- stage area from wall to wall 27,80m, 13,90m stage right and 13,90m stage left
- width between LX bridges 21,79m, 11,03m stage right and 10,76m stage left
- width between LX bridge stage right and lower side bridge stage left (flying control computer system bridge) 21,73m. From centre: 11,03m stage right and 12,44m upstage left (upstage of approx. flybar 30) / 10,76m downstage left (downstage of approx. flybar 30)
- proscenium opening 10,60m, 5,30m stage right and 5,30m stage left
- opening between tormentors: maximum 13,00m, 6,50m stage right and 6,50m stage left
- opening between tormentors: minimum 11,00m, 5,50 stage right and 5,50m stage left
- downstage of proscenium / orchestra pit 11,50m, 5,75m stage right and 5,75m stage left

## **FLYING SYSTEM**

- computer controlled flying system from Trekwerk (TNM)
- Synchrodisc winches
- flybar length 19,40m
- ladder bar 48mm at bottom and 77mm at top
- 8 steels per bar
- point load 170kg
- maximum speed 1,80m/s
- maximum height 17,60m
- minimum height 0,05m
- location flying control system on the lower bridge stage left or on the stage level stage left
- maximum load per bar 500 kg (300kg for the 4 sidebars and 2 non programmable bars)
- 62 flybars + 1 bar between portal bridge and house curtain + 4 sidebars
- 2 motorised additional flybars (manual control, 1 behind the portal bridge and 1 in front of the rear wall). Please note: The bar behind the portal bridge cannot travel past the portal bridge.

## **RIGGING**

- Prolyte H30D truss black, 2 x 4m, 2 x 2m
- Prolyte H30V truss black, 2 x 4m, 2 x 2m
- Prolyte H30L truss black, 4 x 4m, 4 x 2m
- slings, shackles, 'roedeboeien' and load levellers
- various lengths of steel cables (1m, 2m, 4m, 6m & 8m)
- 4 x chain hoist 1 ton of weight GIS D8+
- 1 x hoist steering fourfold

## **HEIGHT ACCESS EQUIPMENT**

- Alp lift 11m battery
- various ladders

## **LIGHT SPECIFICATIONS**

### **FIXED FIXTURES**

- see lighting plot

### **LOOSE FIXTURES**

- 16x PC 1 KW A.D.B. (with barndoor)
- 24x Profile 1 KW Robert Juliat ZEP (zoom profile 16° - 35°)
- 12x Fresnel 2 KW ADB F201 12° - 61° (with barndoors)
- 28x PAR64 Longnose (cp62, cp61 and cp60)
- 4x sixbar PAR64 Longnose (cp62, cp61 and cp60)
- 6x PAR64 Shortnose floor model (cp62, cp61 and cp60)
- 2x follow spots Robert Juliat OZ, located grand circle left and right
- 14x ETC S4 Lustr2 LED with cyc adapter
- 12 x JB Lighting P10 Profile HP

## **DIMMERS**

- fixed: 190x ETC Sensor3 ThruPower (see lighting plot)
- portable: 108x MA Touring Dimmer 2,5kW H8
- portable: 6x 1 channel 2,5kW schuko

## **COLOUR FILTERS**

- selection of the most used colours from the LEE-series

## **DATA**

- CAT6 / DMX 5P ports throughout the whole auditorium and on stage

## **MAINS POWER 380V 3P+1N+1E STAGE**

- 3x CEE-form 125A connections (2x midstage right, 1x midstage left)
- 1x CEE-form 63A connection (midstage left)
- 2x CEE-form 3x 16A (1x midstage right, 1x midstage left)
- 2x break out box 125A > 2x 63A/380V, 2x 32A/380V and 3x 16A/230V
- 3x CEE-form 125A cable 5 pole 5m
- 1x CEE-form 32A cable 5 pole 25m
- 2x CEE-form 32A cable 5 pole 20m
- 2x CEE-form 32A cable 5 pole 10m
- 2x CEE-form 32A cable 5 pole 5m
- 2x break out box 32A > 6x schuko

## **MAINS POWER 380V 3P+1N+1E for outside broadcast units**

- 1x 63A
- 1x break out box 63A/380V > 2x 32A/380V

## **LOOSE CABLES**

- CEE-form 16A 3 pole
- Schuko
- DMX 5P
- CAT6
- PowerCON TRUE1 / DMX 5P combi
- Harting-8
- break outs, plug boards and adapters

## **STANDS**

- 15x windup with spigot (up to 3,5m) • 12x floor stands • 12 x ballet tower

## **LIGHTING CONTROL**

- grandMA3 light
- Roadhog4

## **HAZE & FAN**

- MDG ATMe • JEM AF-1

## SOUND SPECIFICATIONS

### AUDIO POWER

- downstage right and left 1x 32A/380V CEE connection (3P+1N+1E)  
1x 16A/230V Schuko + CEE connection
- upstage right and left 1x 16A/230V Schuko + CEE connection
- parterre control position 1x 16A/230V Schuko + CEE connection
- control room position 1x 32A/380V CEE connection (3P+1N+1E)  
1x 16A/230V Schuko + CEE connection

### AUDIO INTERFACE

- NTP Penta 721

### AUDITORIUM SYSTEM

- 2x d&b V10P L/R auditorium
- 2x d&b V7P L/R dress circle
- 2x d&b V7P L/R grand circle
- 2x d&b E6 L/R infill auditorium
- 2x d&b B22 L/R sub
- 8x d&b S5 L/R outfill auditorium and dress / grand / upper circles
- 2x d&b E6 L/R rear upper circle
- 8x d&b T10 center cluster
- 2x d&b Y-Sub sub center
- 6x d&b S5 delay center cluster loge auditorium
- 4x d&b E4 front fills

### AMPS AUDITORIUM SYSTEM

- 2x d&b 30D
- 6x d&b 10D

### SEPARATE SPEAKERS

- 4x d&b audiotechnik Y10P top, incl. pan/tilt bracket
- 4x d&b audiotechnik B6 sub
- 4x d&b audiotechnik E6 top, incl. pan/tilt bracket
- 7x Martin Audio LE1200 monitor
- 4x Behringer B205D hotspot

### SEPARATE AMPS

- 3x Powersoft M50Q 4-channel amplifier
- 2x d&b audiotechnik D20 4-channel amplifier

## **MICROPHONES**

- AKG C214 / C451B / C411PP / D12 VR / D112
- Aston Origin
- Audio Technica AE3000 / ATM450
- Audix D2 / D4 / D6 / i5 / ADX20
- Beyerdynamic M88TG / M201TG
- Crown PCC160
- DPA 2011C / 4055 / 4099
- Neumann KM184 / KMS105
- Sennheiser E604 / E904 / E906 / MD421
- Shure Beta 52A / Beta 56A / Beta 57A / Beta 58A / Beta 87A / Beta 91A / SM57 / SM58

## **DI'S**

- BSS AR113
- KT DN200
- Radial PRO AV-2 / USB PRO / PRO DI / PRO D2 / PZ-DI
- Rupert Neven RNDI

## **WIRELESS SYSTEMS**

- 2 x Shure AD4D 2 channel receiver including: 2 x Shure AD 1 beltpack, 2 x Shure AD 2 handheld with Beta58A head and 2 x DPA 4166 headset (omni-directional)

## **SOUND CONTROL**

- 1 x Midas M32 (32 in/16 out)
- 1 x Midas M32R (16 in/18 uit)
- 2 x Midas DL16 stage rack (16 in/8 out)
- 1 x Allen & Heath MixWizard WZ4 12:2 (8 mono in/2 stereo in)

## **EFFECTS AND OUTBOARD**

- 2 x Tascam CD-500B (CD players)
- 2 x Tascam MD350 (MD players)
- 1 x Mac mini with QLab V5 / Ableton / SMAART software / Motu 8M interface

## AUDIO INFRASTRUCTURE

- 48 channels analogue multicable in the following positions:
  - control room 48 x xlr-f
  - parterre control 04 x LK37-M + LK150-M
  - house right amp loge 48 x xlr-f
  - downstage right 48 x xlr-f & xlr-m, per 12 channel on LK37-M
  - downstage left 48 x xlr-f & xlr-m, per 12 channel on LK37-M
  - upstage right 48 x xlr-f & xlr-m, per 12 channel on LK37-M
  - upstage left 48 x xlr-f & xlr-m, per 12 channel on LK37-M
- 12 channels analogue multicable from downstage left to orchestra pit
- 12 channels analogue multicable from downstage left to the dress circle foyer
- 12 channels analogue multicable from downstage left to Kruithuis
- 8 channels digital multicable AES/EBU from / to the following positions:
  - FOH auditorium => downstage left
  - FOH auditorium => amp loge
  - downstage left => control room
  - downstage left => amp loge
  - downstage left => downstage right
  - downstage left => upstage right
  - downstage left => upstage left
  - downstage left => kruithuis

## CABLES

- XLR cables (1,5m, 3m, 6m, 9m and 15m)
- jack cables (2,5m, 5m, 10m and 15m)
- speakON NL4 cables (1,5m, 2,5m, 5m, 10m, 15m and 20m)
- speakON NLT8 m/f cables (5m, 10m, 15m and 20m)
- LK37 f/f cables (5m, 10m, 15m and 20m)
- selection of XLR coupling bushes and adapters
- selection of jack coupling bushes and adapters
- LK37 12 channels stage box
- LK37 m/m coupling bushes
- LK37 cable break-out (xlr-m / xlr-f)
- speakON NLT8 M/F break-out boxes
- speakON NLT8 M/F cable break-in

## STANDS

- extensive set of K&M microphone stands:
  - high / high with small base / low / extra low
  - round base high / medium / low
  - table stands
  - various table clamps, pipe clamps, instrument clamps
- Gravity speaker stand
- Gravity wind-up speaker stand
- K&M roundbase speaker stand



## **COMMUNICATIONS**

- Riedel 2 channels digital wired intercom system with connections on:
  - control room
  - parterre control position
  - prompt desk
  - follow spot positions
- Riedel Bolero digital wireless intercom system with 10 beltpacks
- various Beyerdynamic and Pliant headsets

## **VIDEO**

- SDI infrastructure in the auditorium and on stage with a hard patch and SDI splitter (1 in / 9 out) downstage left
- SDI cables (2,5m, 5m, 10m, 15m and 20m)
- 2 x decimator MD-CROSS V2
- 2 x decimator MD-LX
- Fixed cameras on the following spots: stage monitoring (colour, PTZ), stage monitoring (IR), auditorium, parterre (PTZ), manteaux left and right and orchestra pit (PTZ).
- 2 x mobile AIDA camera (colour/IR)
- 4 x mobile viewing screen 32" and various mounting hardware
- beamer and screen not present, but possibly available on request

## **STAGE MONITORING AND SHOW RELAY**

- stage monitoring available on the following locations:
  - downstage right and left, prompt desk, green room, front of house café and maestro dressing room
- show relay is available on the following locations:
  - all dressing rooms, visiting production office, main production office, green room and front of house café

## **PIANOS**

- grand piano Yamaha C7 (2001)
- Piano Yamaha U1 (2022)

If a piano is required, please contact production well in advance. Extra costs for tuning will be for account of the visiting party.