



# Technical Specification

## Therese-Giehse-Halle

### Content

Auditorium .....	2
Stage .....	2
Machinery .....	3
Lighting .....	4
Sound .....	5
Video .....	7
Stage Management.....	8

## Auditorium

### Audience seating

Various setups for theatre or concert possible (see plans)

Capacity for theatre: Risers 250 seats (rise +33 cm)

Capacity for concert: up to 268 standing places

Modular riser system of "Theater-Baukasten-Dresden" with 2m x 1m aluminium platforms

## Stage

### Measurements

Room, Floor area	ca. 18 m x 24 m
Audience risers	ca. 14 m x 4 m
Clearance	ca. 8 m (under the ceiling overhang ca. 4,60 m)
Below stage	- 2,80 m
Stage area Theater	15 m x 12 m
Stage area Concert	8 m x 4 m
Loading doors	ca. 4 m x 5 m

## Machinery

### General

The upper machinery can not be moved during the performance!

There are lighting galleries on the left and right handside of the stage

At the height of the gallery is a movable bridge

The entire stage area is open

i.e. there are no wings or places to store decorations / sets on the side or backstage

Black borders and masking available

Fly bar diameter: ø 50 mm

The fly bars can be dismantled between the suspension points

Fixing options on the walls with M 12 threaded holes

Audience area with removable railings, black stage floor

Load-in via the street of the Münchner Kammerspiele

### Upper machinery

#### **Stage**

Hoists 1 - 19

E-hoists

Width flybar: 11,72 m to 12,92 m

Drive: +0,30 m to 8,13 m

Load capacity: max. 300 kp

Speed: 0 - 0,3 m/s

Panoramic hoists 1 – 4

(left and right of the gallery)

E-hoists

Width flybar: 3,20 m,

with extension each 1,00 m

Drive: +0,30 m to 8,00 m

Load capacity: max. 250 kp

Speed: 0 - 0,25 m/s

#### **Rear stage (under the ceiling lintel)**

Hoists 20 – 25

E-hoists

Width flybar: 11,72 m

Drive: +0,30 m to 4,65 m

Load capacity: max. 300 kp

Speed: 0 - 0,3 m/s

### Substage

Stagefloor: black, with removable cover panels 0,5 m x 2,2 m x 8,5 cm

Load capacity: max. 500 kg/m<sup>2</sup>

Pointload: max. 350 kg

Substage: removable steelconstruction

Hot- and Cold water supply under the stage

## Lighting

### Control

1x Eos TI, 1 x Eos GIO, Protocols: sACN, ArNet over a LSS Mastergate possible

84 Dimmer 2,5/5kW, 168 Dimmer 2,5kW Transtechnik FDX 2000

18x Switching circuits 3ph 32A / 1ph earthed plug for HMI - Typ Transtechnik

The offset distribution can be customised in the stage area using a pre-installed multicore HAN 16 and 32/63 CEE plug-in system.

Lighting data is distributed via Ethernet / DMX cabling and a Lumen Radio system.

A DMX line extension or feed-in of a guest console can be realised via ETC Net3 Concert with corresponding ETC DMX gateways.

### Available fixtures

8x Martin Mac Aura XIP

16x JB Lighting P12 Profile HC

4x Arri Sky Panel S60-C

12x ETC Source Four Zoom 25° - 50° Serie3

16x Martin Rush Par

10x LDDE NanoPix Slim 1200

16x Astera Titan Tube

24x ETC CE Source Four Fresnel 750W

12x ETC Source Four Zoom 15° - 30° 750W

12x ETC Source Four Zoom 25° - 50° 750W

4x Arri Daylight Compact 1200 with Shutter / Colourchanger MV200

## Sound

### PA

Front: 2x KS CPD 18  
Center: 1x KS CPD 14  
Sub : 4x KS CPD Sub  
Delayline 2x KS CPD 08  
Stage: 2x KS CPD 12  
Surround : 2x KS CPD 12 / 2 x CPD 10  
Mobile speakers: 2x KS CPD 10  
4x KS CPD 08

### Sound desk system

Salzbrenner Polaris Evolution. Dantebased digitaldesk with 4 Access und View-modules 128/128  
Matrix with redundant Scala processor

Independent Dante network in primary and secondary versions

Connection to the Audinate Dante Domain Manager

This allows signals to be tapped and recorded in the recording studio and other venues

Connection of external signals also possible via AES 50, as well as MADI (opt. & Coax) & MADI TP  
and 8xADAT

Waves SG server with all essential (Mercury bundle) Waves plug-ins (integrated in Polaris)

### Playback

Ableton Live Suite 11

### Microphones (for all venues)

AKG SE 300 B wite AKG CK 91 / AKG CK 93 / AKG CK 98

2x AKG C 414 B-TL II

1x AKG C 562 BL PZM

3x Crown PCC 170

6x Crown PCC 160

9x Shure Beta 91A

2x Neumann U 87

1x Neumann U 89

2x Neumann U 47

1x Neumann KM 84

2x Neumann KM 81 I

2x Shure Beta 56

39x Shure SM 58

8x Shure SM 57

11x Shure Beta 87A

2x Shure SM 58 beta

1x Shure 55 SH

2x Shure PG 56

2x Shure Beta 98

1x Sennheiser MD 441

5x Sennheiser E 604

2x Sennheiser MKH 416

3x Sennheiser MD 421

**Wireless / Mikroport**

12x Channels Sennheiser 6000er

12x Mikroports Sennheiser SK6212

6x Handheld Sennheiser SKM 6000er with KK105 capsules

6x Headsets Sennheiser SL beige

Sennheiser MKE1 capsules

**Offset boxes**

Dante P/S // LWL // MIC // LINE / 100 V/ Tonnetz

## Video

### Projection

4x Panasonic PT-RZ970, 10000 ANSI Lumen, 1920x1200px  
Various interchangeable optics and flying frames for all projectors available

### Mobile screens

AV Stumpfl mobile screen 2,8m x 1,7m - Opera white / Optitrans  
AV Stumpfl mobile screen 6m x 4m / 5m x 3,8m / 4m x 3m - Opera white / Optitrans (only 4m x 3m)  
More screens in various sizes and quality. available upon request

### Cabling

LWL / CAT Patchfields at different spots around the stage area  
SDI via Yellobrik LWL changer  
HDMI / LWL / SDI / HDBaseT via activ changer / extender (Lightware / Lynx Technik)  
Lightware MX2M-FR24R, 16x16 crossbar with HDMI, LWL In and HDMI, LWL Out

### Playback

Video FOH in same row with all other technical departments (open) behind the audience platform  
Riedel Intercom System with call station and belt packs  
Pandoras Box 4x Output (V8), R3 Hardware, 4x HD-SDI Input  
Laptop with Manager Software and Widget Designer  
MacMini (M1), macOS Monterey, 16GB RAM, Intel Iris 1536MB, 1x Output  
Qlab 5 (other software on request)

### Cameras

2x Sony PXW-X70  
2x Sony FS-5 on request  
Teradek Bolt SDI/HDMI wireless possible  
More cameras on request

### Mixer

Blackmagic ATEM Extreme ISO  
Blackmagic ATEM Mini Pro  
Blackmagic ATEM Television Studio PRO  
Ross Carbonite Black Solo  
Roland V-40  
Roland V-1HD

### Subtitle system

As required via separate projection. Playback via Spectitular from the operator's desk.  
Various languages / texts are simultaneous possible.

## Stage Management

### **Intercom**

Cross-stage matrix-based intercom system  
with RSP 1232 and DSP 1116 fixed microphone units and 15x Riedel Bolero beltpacks

### **Q-Light system**

16x separate light sign channels that can also be assigned multiple times, can be saved for performances

Fixed light signals for flyloft, light, sound and video

2x wireless light signals

### **Stagemanagement desk**

ASC-Adunas BJ 2021 Dimensions: 0,60 m x 0,55 m x 0,30 m (H x W x D) Can be connected to several positions as required. Can be operated with mobile touch panels / laptops

### **House call system**

Separate paging for dressingrooms, technical departments, etc.

All loudspeakers with selectable monitoring options..

### **Video**

In all venues, PTZ cameras and infrared cameras possible.

Various FullHD monitors available.