



# TECHNICAL INFORMATION

(short)

## Main Stage

### 1. STAGE WITH UPPER STAGE MECHANIZATION (PIPES, LIGHTING BRIDGES)

- Proscenium opening - 13.7 m. x 7.8 m.
- Color of the stage floor- black (wood, without the possibility of screwing in screws or using nails).
- Turntable (diameter 9950 mm.) is a part of the roll-out platform, covered with black carpet, if necessary, it is rolled out onto the stage and sunk into the stage tablet level, in the initial position the roll-out platform is 400 mm above the stage level (see diagram) - 1 set.

#### **Pipes:**

- Thin pipes (diameter 60mm.), when heavy elements are suspended between the cables, they bend (the number of cables is 4 pcs. for 1 pipe), the theatre doesn't provide double battens..
- The total of pipes - 28 pcs (№ 1-4, № 6-9, № 11-14, № 16-19, № 21-26, № 27-32 see plan). Pipes № 21-26 are used exclusively in agreement with Technical Director due to the proximity of the stationary REAR screen.
- Pipes: №№ 1-4, № 6-9, № 11-14, №1 6-19, № 21-26- width 16,4 m. (pipes: № 9,14,19 divided into 3 segments with rigid, non-collapsible black legs, see plan).
- Pipes: № 27-32 - width 10,4 m. (see plan).

#### **Lifting height of pipes:**

- Pipe: № 1-4, № 6-9, № 11-14, № 16-19, № 21-24 - 17 m. Pipe № 24 c REAR-screen (REAR screen is not removable).
- Pipe: № 27-32 - 10.6 m.

#### **Lifting capacity of pipes (with distributed weight along the entire length of the pipe):**

- Pipe № 1-4, № 6-9, № 11-14, № 16-19, № 21-23- 250 kg.
- Pipe № 28-32 - 300 kg.

#### **Lighting bridges:**

- № 5, № 10, № 15, № 20 (see plan) the height of the lighting bridge №. 5 is limited by the height of the 1st gallery. The height of the lighting bridges № 10, № 15, № 20 - 16 m.

Pipes by sides - 4 pcs width 3700 mm.  
Lifting capacity 100 kg. ( 2 pipes on each side of the stage) - see plan.

## 2. STAGE EQUIPMENT

- traveler curtain terracotta color (teaser – pipe №1, curtain – pipe №2) – 1 set. The use of curtain or the installation of a black portal with a black traveler curtain on the pipe No. 3 or No. 4 is to discuss).
- Legs (3x9 m.) black velour – 8 pcs  
4 plans (outweighed, with ties).
- Borders (3x16 m.) black velour – 4 pcs  
4 plans (outweighed, with ties).
- Backdrops black velour (2 halves) – 1 set  
(outweighed, with ties).
- rigid legs, black velour (not removable) – 6 pcs (3 plans on pipes №9, 14, 19 – see plan).
- REAR screen PVC projection on metal batten. dimension – 15 x 8 m. – 1 pce (on the pipe №24, not removable, the lower batten is covered with a black velvet, 40 cm high).
- Lighting bridge on stage № 1 (width 11 m. the height of the ascent to the first gallery is approximately 8.3 m.), with the possibility of hanging double-battens (without dismantling the devices, the theatre does not provide double battens).
- Lighting bridges on stage № 2, 3, 4 (width 16 m. the height of the ascent to the third gallery), with the possibility of hanging double-battens (without dismantling the devices, the theatre does not provide double battens)
- Lighting bridge on the auditorium (without load out of the equipment) – 1 pce (see plan).
- Lighting towers in the auditorium (right and left) – 2 pcs (without load out of the equipment).
- Suspended towers in the wings (mobile), see plan – 6 pcs (3 pcs from each side, without load out of the equipment).
- Lighting bridges' control board – 1 pce (on the gallery)
- Orchestra pit (mobile) see plan.
- Stage manager control board – 1 pce (communication with the theatre's services and announcements to the dressing rooms).
- Stage mechanics console (control of pipes, acting levels, orchestra pit, turntable, individual lifts) – 1 pce
- Stairs from the stage to the auditorium (in two parts) – 1 pce
- Broadcast of the scene on TVs (in the wings on the TV panels) – 2 pcs (right and left sides, не демонтируемые).
- Elevator – 4.5x4 m. (multi-dimensional), for the delivery of sets to the stage (from ground level to the – 1 level) – 1 pce (see plan).
- Mobile screens, black velvet, stage brace (approximately 1.3x2m.) – 4 pcs. with weights of 10 kg.
- Subtitles' screen – 1 pce. Need to be previously agreed by the theatre with the guest company. The company agrees in advance with the theatre on the involvement of the operator of the subtitles console (the operator of the subtitles console from the theatre does not work during the event, he checks the file's format provided by the guest company, helps the operator of the subtitles console).

### 3. STATIONARY LIGHTING EQUIPMENT

#### LIGHTING CONTROL:

ETC Eos Ti

#### LIGHTING BOXES' EQUIPMENT, AUDITORIUM LEFT AND RIGHT SIDES:

ETC Source Four 19° - 5 pcs / ETC Source Four 26° - 5 pcs  
Spotlight Combi PC2500 - 10 pcs

#### FRONT LIGHT IN AUDITORIUM:

Spotlight Combi PC2500 - 4 pcs  
Clay Paky Alpha Spot QWO 800 - 4 pcs / Clay Paky A.leda Wash K20 B-Eye - 6 pcs /  
Clay Paky Alpha Spot HPE 1200 - 6 pcs / Clay Paky Alpha Wash 1200 - 4 pcs

#### 1ST LIGHTING BRIDGE EQUIPMENT:

Spotlight Combi PC2500 on the moving basement, with scroller - 3 pcs  
Clay Paky Alpha Spot QWO 800 - 6 pcs / Clay Paky A.leda Wash K20 B-Eye - 4 pcs  
ETC S4 Par MFL - 10 pcs / ETC S4 Par MFL with scroller - 5 pcs  
Domino Cyc 1000x4 with kit of gels - 8 pcs

#### 2ND AND 3RD LIGHTING BRIDGES EQUIPMENT:

Spotlight Combi PC2500 on the moving basement, with scroller - 5 pcs  
Clay Paky Alpha Spot QWO 800 - 4 pcs / Clay Paky A.leda Wash K20 B-Eye - 4 pcs  
ETCS4 Par MFL - 14 pcs / ETC S4 Par MFL with scroller - 7 pcs  
Domino Cyc 1000x4 with kit of gels - 9 pcs

#### 4TH LIGHTING BRIDGE EQUIPMENT:

Spotlight Combi PC2500 on the moving basement, with scroller - 5 pcs  
Clay Paky Alpha Wash Halo 1200 - 6 pcs / Clay Paky A.leda Wash K20 B-Eye - 4 pcs  
ETCS4 ParMFL - 14 pcs / ETC S4 Par MFL with scroller - 7 pcs  
Domino Cyc 1000x4 with kit of gels - 9 pcs

#### RIGHT AND LEFT PORTAL TOWERS EQUIPMENT:

Spotlight Combi PC1000 - 9 pcs  
Profil Spot ETC Source Four 19° - 3 pcs / ETC Source Four 26° - 3 pcs / ETC Source  
Four 36° - 3 pcs

#### MOVING TOWERS EQUIPMENT (3 ON THE LEFT, 3 ON THE RIGHT):

Spotlight Combi PC1000 - 3 pcs  
Profil Spot ETC Source Four 26° - 3 pcs

#### 4. STATIONARY SOUND EQUIPMENT

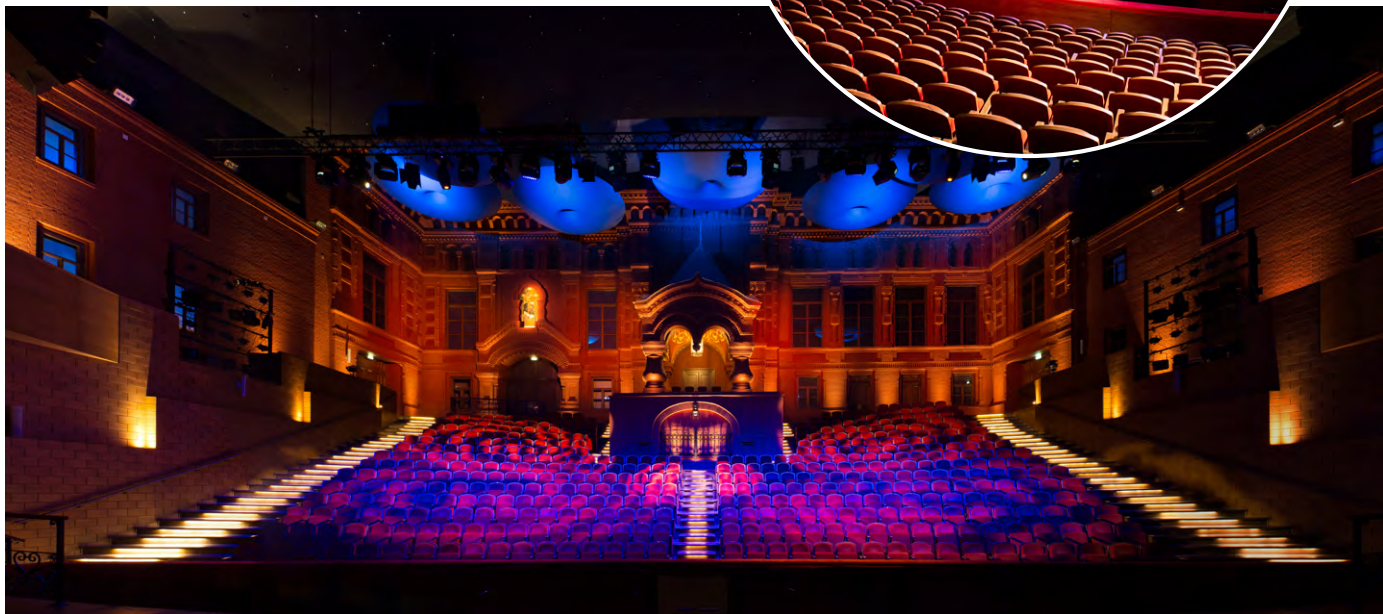
Nº	Name	Manufacturer	Type, Brand	Quantity
<b>RIGHT AND LEFT CLUSTER</b>				
1	line array element	APG	UL210	8
2	line array element	APG	UL210D	2
3	line array Subwoofer	APG	UL115B	4
4	Subwoofer	APG	TB218S	2
5	Audio matrix with processor	BSS	BLU-806	1
6	Power Amplifier	Lab.gruppen	FP 9000 BP	1
7	Power Amplifier	Lab.gruppen	FP 7000 BP	2
8	Power Amplifier	Lab.gruppen	FP 4000 SP	1
<b>CENTRAL CLUSTER</b>				
9	line array element	APG	UL210	3
10	Audio matrix with processor	BSS	BLU-806	1
11	Power Amplifier	Lab.gruppen	FP 9000 BP	1
12	Power Amplifier	Lab.gruppen	FP 4000 SP	1

<b>SIDEFILL, MONITORS</b>				
13	Two-way speaker system	APG	DX12	4
14	Two-way speaker system	APG	DX15	4
15	Power Amplifier	Lab.gruppen	C 28:4	2
16	Speaker system	RCF	C 3108-96	2
<b>INTFILL</b>				
17	Two-way speaker system	APG	DX8	4
18	Audio matrix with processor	BSS	BLU-806	1
19	Power Amplifier	Lab.gruppen	C 10:4X	1
<b>SURROUND</b>				
20	Two-way speaker system	APG	DX15	4
21	Audio matrix with processor	BSS	BLU-806	1
22	Power Amplifier	Lab.gruppen	FP 6000Q BP	1
<b>SOUND ENGINEER EQUIPMENT</b>				
23	Sound control board	Yamaha	Rivage CS-3R	1
24	Stage rack 32 in/24out from the stage	Yamaha	Rio3224-D2	4
25	Vocal Radio System	Shure	ULXD SM 58	2

**5. HELIKON-OPERA THEATRE** CAN PROVIDE THE ORCHESTRA PIT AND MUSICAL INSTRUMENTS (TO BE CONFIRMED)

**6. HELIKON-OPERA THEATRE** PROVIDES DRESSING ROOMS AND REHEARSAL ROOMS (the number is to discuss)

**HELIKON-OPERA THEATRE** PROVIDES: A STEAMER, AN IRON, AN IRONING BOARD, AND HANGERS ON WHEELS - 4 PCS. (in the wings).



## 7. HELIKON-OPERA THEATRE PROVIDES SUCH PERSONEL

Stage personel	Number of people	NOTES
Standart staff	10	<ul style="list-style-type: none"> <li>• <b>1 Stage Director</b></li> <li>• <b>1 operator of the stage mechanics console:</b> control of pipes, acting levels, turntable, individual lifts. The theatre will provide a operator to control the mechanics of the stage with 5 (five) signals during the event, with 4 (four) signals during the intermission. For more signals it's necessary to call a programmer of the stage mechanics console (to discuss).</li> <li>• <b>2 stage hands:</b> supervising the work of the guest team during installation work on stage. They don't participate in the assembling of sets. The theatre provides the sports linoleum (the lining is not provided, the ballet tape is not provided). The elevator's control during unloading and loading. The placement of individual hoists on the flyloft of the stage. The placement of the dressing the stage of the theatre. The control of the works with the rear-screen on the pipe No. 24. The control of the works with rigid legs, curtains, the platform with a turntable.</li> <li>• <b>1 stage manager:</b> the work with the stage-manager console, communicating with all the services of the theatre, help to the stage-manager of the guest team.</li> <li>• <b>1 sound control operator</b> (not a sound engineer): assistance in the work of the sound engineer of the guest team at the theatre's console, don't work at the console during the event.</li> <li>• <b>1 sound engineer:</b> supervising the work of the guest team. Provision of the theatre's equipment, previously agreed by the theatre with the guest company, assistance in its installation.</li> <li>• <b>1 lighting console operator</b> (not a lighting designer): assistance in the work of the lighting designer of the guest team during the work at the theatre's console, don't work at the console during the event.</li> <li>• <b>1 lighting technicians:</b> control of the work of the lighting technicians of the guest team. Provision of the theatre's equipment , previously agreed by the theatre with the guest company, assistance in its installation. The work with control panel of lighting bridges.</li> <li>• <b>1 video engineer:</b> work with the theatre's stationary equipment (stage), previously agreed by the theatre with the guest company, assistance in its installation. Assistance to the operator of the guest team's video console at the theatre's console, don't work at the console during the event.</li> <li>• <b>Loaders:</b> the theatre does not provide</li> <li>• <b>Freight forwarder:</b> the theatre does not provide.</li> </ul>