

le phénix
scène nationale Valenciennes

TECHNICAL SHEET

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REACHING US

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Plots and pictures

You can download the drawings on our web site, as dwg or pdf files.
Pictures and a virtual 360° sightseeing are also available.

www.lephenix.fr



SAFETY MEASURES

There is no fire curtain in Le Grand Théâtre and Le Studio.

Consequently :

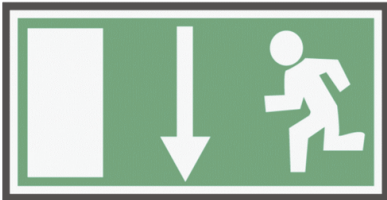
> it is necessary that you supply us with fire-classification documents for all materials used in the scenery

> fire effects are forbidden

For any further question, please contact the technical director

Smoke and fog effects are authorized. Please warn us before your arrival.

Emergency lighting on stage and in the house can not be dimmed neither masked. For any further question, please contact the technical director



LE GRAND THÉÂTRE

No fire curtain
763 seats

Stage frame / proscenium opening

- > width min : 13m max : 18m
- > height min : 7m max : 8.5m

House curtains

- > Fly curtain : grey, half-opaque gauze, variable speed drive
- > Track curtain : red velvet on fixed track, variable speed drive

Stage size

depth

- from stage edge to frame : 2,20m
- from frame to upstage wall : 15,30m
- orchestra pit in upper position : from stage edge to frame : 5,60m

height

- from stage floor to grid : 18,30m
- galleries : 6m – 9m – 12m
- understage : 2,80m

width

- between walls : 24m
- from mid-stage to stage-right wall : 11,5m
- from mid-stage to stage-left wall : 12,5m
- between galleries : 21,5m

Orchestra pit

- > Movable part composed of 3 inter-dependent trucks, on which stand the first 3 rows of seats
- > SWL : 8500daN
- > Width : 18m
- > Max depth : 2,5m
- > Fixed part with musicians entry

Stage floor

- > Removable floor, composed of 1m x 1m traps, matt black wood
- > SWL 500daN/m²
- > No slope



LE GRAND THÉÂTRE

Flies

- > Max height for pipes : 17,20m
- > Pipes length : 19m, extensions are possible
- > Pipes diameter : 48,3mm
- > Pipes are symmetrical with stage axis
- > Locks are located on both the stage and the load-gallery

Spot winches (3x)

- > SWL 250daN
- > Fixed speed 0,2m/s

Sound and lighting booth

- > in the cabin - window can be opened
- > in the audience : upon request, and according to possibilities

Drapery

- > Black velvet Malaga 530g/m²
- 18 legs : height 10m width 4,20m
- 3 borders : height 4m, length 22m
- 4 borders : height 2m, length 22m
- 4 borders : height 2m, length 7m

NB : borders are not sleeved and can not be weighted
2 panels height 10m, width 11m, mounted on a movable track
> Clear blue-grey cyclorama, height 10m, width 18m

Dance floor

- > Gerriets black/white, 1,60m-wide strips

Fixed sound system

- > FOH PA : Meyer UPA + Lab Gruppen LAB1000
- FOH management : DBX260 Driverack
- floor, left and right : 2 UPA 1C (1 channel) + 1 Sub-bass 650R2 (mono)
- up, left and right : 2 clusters of 4 UPA 1C (1 channel per cluster)
- one central cluster can be added with 2 UPA 1C
- > SPL controller Apex Hera and limiter Apex Argos
- > Cabin monitoring : 2 Genelec 1032

Fixed lighting system

- > 15 distribution points 63A / 32A / 16A / DMX
- > Guest power : 4-poles 400A
- > Dimmers : 80 cells 3kW Digirack IV Robert Juliat
- > House lighting is controlled by the lighting board

Flies				
Number	Apparatus	SWL [daN]	Distance from stage frame [m]	Equipement
51	Simple counterweighted pipe	250	13,83	
50	Double motorised pipe - fixed speed	500	13,59	
49	Simple counterweighted pipe	250	13,35	
48	Simple counterweighted pipe	250	13,11	
47	Simple counterweighted pipe	250	12,87	
46	Simple counterweighted pipe	250	12,63	
45	Simple counterweighted pipe	250	12,39	
44	Double motorised pipe - fixed speed	500	12,15	
43	Simple counterweighted pipe	250	11,91	
42	Simple counterweighted pipe	250	11,67	
41	Simple counterweighted pipe	250	11,19	
40	Simple counterweighted pipe	250	10,95	
39	Double motorised pipe - fixed speed	500	10,71	
38	Simple counterweighted pipe	250	10,47	
37	Simple counterweighted pipe	250	10,23	
36	Simple counterweighted pipe	250	9,99	
35	Simple counterweighted pipe	250	9,75	
34	Simple counterweighted pipe	250	9,51	
33	Double motorised pipe - fixed speed	500	9,27	
32	Simple counterweighted pipe	250	9,03	
31	Simple counterweighted pipe	250	8,79	
30	Simple counterweighted pipe	250	8,55	
29	Double motorised pipe - variable speed	500	8,31	
28	Simple counterweighted pipe	250	8,07	
27	Simple counterweighted pipe	250	7,83	
26	Simple counterweighted pipe	250	7,59	
25	Simple counterweighted pipe	250	7,1	
24	Double motorised pipe - fixed speed	500	6,85	
23	Simple counterweighted pipe	250	6,61	
22	Simple counterweighted pipe	250	6,37	
21	Simple counterweighted pipe	250	6,13	
20	Simple counterweighted pipe	250	5,89	
19	Simple counterweighted pipe	250	5,65	
18	Double motorised pipe - variable speed	500	5,41	
17	Simple counterweighted pipe	250	5,17	
16	Simple counterweighted pipe	250	4,93	
15	Simple counterweighted pipe	250	4,69	
14	Double motorised pipe - fixed speed	500	4,45	
13	Simple counterweighted pipe	250	4,21	
12	Simple counterweighted pipe	250	3,97	
11	Simple counterweighted pipe	250	3,73	
10	Simple counterweighted pipe	250	3,49	
9	Double motorised pipe - fixed speed	500	2,98	
8	Simple counterweighted pipe	250	2,74	
7	Simple counterweighted pipe	250	2,5	
6	Simple counterweighted pipe	250	2,26	
5	Simple counterweighted pipe	250	2,02	
4	Simple counterweighted pipe	250	1,78	
3	Double motorised pipe - variable speed	500	1,54	
2	Simple counterweighted pipe	250	1,3	
1	Simple counterweighted pipe	250	1,06	
96	3D truss - fixed speed	150	0,26	
--	Stage frame	--	0	--
95	Frame border	--	-0,29	--
94	Curved motorised pipe - variable speed	nc	-0,95	please contact us
93	Curved motorised pipe - variable speed	nc	-1,06	please contact us
92	Front curtain on track	--	-1,23	--
91	Black gauze fly curtain	--	-1,57	--
--	Bord de plateau	--	-2,15	--
100	Pipe above the audience	nc	-5,95	please contact us

LE STUDIO

No stage frame – no fire curtain

177 seats

Stage size

- > Depth from frame to upstage wall : 9m
- > Height under grid : 8m
- > Width between walls : 16m

Stage floor

- > Fixed floor, matt black wood
- > SWL 500daN/m²
- > No slope

Flies

- > Stage and house are covered with a common technical grid, SWL 500daN/m²
- > Pipes consist of 4 black 3d-trusses, hung on electrical chain-hoists
- > Position and length of the trusses can be adjusted
- > Black-box is done with point hoists from the grid. The configuration of stage and house makes it very difficult to achieve a framed box, and makes borders almost pointless.

Sound and lighting booth

- > in the cabin - window can be opened
- > in the audience : upon request, and according to possibilities

Drapery

- > Red velvet
- 1 house curtain that be mounted on a track
- 1 border height 1m length 16m
- > Black cotton
- 10 legs : height 7,90m width 2m
- 2 legs : height 7,90m width 5m
- 2 borders height 1m, length 17m
- 1 borders height 1.5m, length 16m
- 2 borders height 2m, length 16m
- 2 panels height 7,90m, width 8,80m, mounted on a fixed track, upstage
- > Drum-rolled projection screen, behind the two panels
- height 5,35m, width : 13m



LE STUDIO

Dance floor

- > Garriets black/white, 1,60m-wide strips

Fixed sound system

- > PA : L-Acoustics + Camco
- > left and right : 2 MTD115 (1 channel) + 1 MTD 118 (mono)
- > Cabin monitoring : 2x Genelec 1030

Fixed lighting system

- > 6 distribution points 63A / 32A / 16A / DMX
- > Dimmers : 24 cells 3kW Digirack IV Robert Juliat
- > House lighting is controlled by the lighting board



SCENERY

- > 36 scissors stage decks
- > fixed-height stage decks : 2x 2mx1m + 3x 1mx1m, height 0.4-0.6-0.8m
- > 4 electrical chain-hoists, SWL 1000daN, remote panel
- > 3d black truss, Stacco 500 – floor mounts and angles
- > Tubes, ropes, shackles...
- > Basic toolkit, workshop
- > Handling : manual stacker and fork-lift trucks

SOUND

Mixing boards

- > 1 Yamaha M7CL48
- > 1 Yamaha 01v96 v2
- > 1 Yamaha 01v
- > 2 Soundcraft K2 32/8/2
- > 3 small analogue mixing boards

Monitoring

- > 2 Genelec 1031

Accessories for numeric boards

- > 1 Yamaha insert card MY8 ADDA96
- > 1 Yamaha extension card MY8 AD96
- > 1 Yamaha ADAT16 card
- > 1 pre-amplifier Digimax Presonus Adat (8 in - 8 out - 4in/4out)

Players

- > 4 Tascam CD players (01U / 500)
- > 2MD Tascam 350

Signal processing

- > 2 DBX 166
- > 1 SPX 990 Yamaha
- > 4 DBX 160
- > 1 Gate Klark DN514
- > 3 DN360 Klark
- > 1 PCM 81 Lexicon

Speakers and amplifiers

- > 10 DS15 APG on 8 channels with APG SM15 processing
- > 2 K-SUB QSC
- > 10 K12 QSC with yokes
- > 4 F8 Martin Audio on 2 channels (Crown CD-1500)
- > extra amplifiers : Crest CPX900+CPX1500, 1 Crown 800CSL
- > 1 system HK Audio Elias (2 sub-woofers + 4 cabinets)
- > 4 amplified speakers HK Audio Dart
- > 2 amplified speakers RCF Art200

Microphones

- > 2 Shure Beta 58
- > 6 Shure SM58
- > 2 Shure Beta 57
- > 4 Shure SM57
- > 1 Shure Beta52

- > 2 Shure SM87
- > 2 Shure Beta 98 (1 HC)
- > 2 Shure SM85
- > 2 Shure SM90
- > 2 Shure SM99
- > 1 DPA 4061 noir
- > 1 DPA 4061 chair
- > 4 Neumann KM184
- > 2 AKG 414
- > 5 Sennheiser MD421

- DI*
- > 6 DI BSS AR133
 - > 6 DI LA Audio
 - > 1 DI USB Fohn Radio

- HF*
- > 6 wireless kit Shure HF ULX pocket + Beta58
 - > 2 DPA 4061 black
 - > 1 DPA 4061 flesh
 - > 5 DPA 4088 flesh

Intercom

- > Clearcom 4 voies, postes filaires

Miscellaneous

- > 6 speaker stands
- > 18 standard microphone stands
- > 2 round base stands
- > 7 short microphone stands
- > 7 microphone desk stands

VIDEO

Players

- > 1 professional DVD player Denon DN-V210
- > 1 DVD player Yamaha

Monitors

- > 2 Sony 19"
- > 2 Samsung 22"

Projectors

- > 1 RLMW8 BARCO 7000 lumen Full HD
- 1 wide angle 0.77
- 1 lens 1.45 - 1.74
- 1 lens 1.74 - 2.17

- > 1 PLC-XF31 Sanyo 5600lumen
- 1 wide angle 1.2
- 1 standard lens 2.6-3.4
- 1 long-throw 4.4-6.1

- > 2 VPL-PX31 Sony 2800lumen
- 1 wide angle 0.9
- 2 standard lenses 1.9-2.3
- 1 long-throw 2.6-4.7
- 1 long-throw 3.3-5.0



Miscellaneous

- > 1 Kramer switcher with 3G SDI output
- > Converters and adaptaters
- > 2 Walhberg DMX Shutter

LIGHTING

Movable dimmer units

- > 16 6x 16A Robert Juliat Digitour IV//VI – 7 fluo
- > 9 3x 25A Robert Juliat Digitour V

Boards

- > 2 Avab Congo junior (20 / 40 masters) , Ethernet node
- > 1 Avab Safari (mini APN or lynx)
- > 1 Avab Presto 120

Projectors

- > 70 PAR 64 (cp62,cp61,cp60,cp95)
- > 4 ACL-bars

- > 96 PC 1kW 306HPC Robert Juliat
- > 24 PC 2kW 329 HPC Robert Juliat
- > 6 Fresnel 2kW 325F Robert Juliat
- > 5 Fresnel 5kW LT5000 LTM
- > 6 Fresnel 500W ADB

- > 36 medium-throw profile 1kW 16°-35° 614SX Robert Juliat
- > 6 short-throw profile 1kW 28°-54° 613SX Robert Juliat
- > 5 long-throw profile 1kW 11°-26° 611SX Robert Juliat
- > 24 medium-throw profile 2kW 15°-40° 714SX Robert Juliat
- > 20 medium-throw profile 2kW 15°-40° 714SX Robert Juliat
- > 6 long-throw profile 2kW 29°-50° 713SX Robert Juliat
- > 3 short-throw profile 2kW 10°-25° 710SX Robert Juliat
- > 2 low voltage batten Svoboda ADB

- > 30 asymmetrical cyclorama lights 1kW ACP1001 ADB
- > 4 beam projectors 250W Scenilux
- > 30 PAR 36

- > 1 followspot 1200w HMI Korrigan Robert Juliat

- > 12 fluo batten Robert Juliat
- > 6 automated wash Mac600 Martin
- > 4 automated spot Mac500 Martin

Miscellaneous

- > 4 stands Manfrotto Wind-up
- > 8 stands 866 Robert Juliat
- > 4 booms

Effects

- > 1 Martin ZR33 smoke machine
- > 1 Botex DMX Strobe
- > 2 Martin Atomic 3000 Strobes



ORCHESTRA AND INSTRUMENT

Orchestra furniture

- > 100 armless black seats
- > 30 music stands with lamps
- > 5 double bass chairs

Piano and keyboard

- > Piano Yamaha GC1 (located in the restaurant), stool
- > Keyboard Yamaha P85 graded hammer, stool, pedal, stand

Instrument amplifiers

- > Bass : Hartke A100 15"
- > Guitar : MesaBoogie F50

Drums

- > Pearl ELX – Evans G1 drum skins
- Bass drum 18" + pedal
- Floor tom 14", toms 12" and 10"
- Snare 14"
- Cymbals : Hi-hat 14" Zildjian, Thin crash 14" and 16" Zildjian, Thin Crash B8 16" Sabian, Dark Thin crash 17" Zildjian, Splash 18" Zildjian, Ride custom 20" Zildjian
- > 4 cymbal stands (2 straight, 2 boom), hi-hat stand, stool

Miscellaneous

- > 2 guitar stands Hercules
- > 1 altuglas lecture stand



DRESSING ROOMS

On the fifth level (stairs and lifts)

- > 10 fully-equipped dressing rooms, with shower
- > laundry equipped with washing machine, tumble-dryer, manual spin dryer, ironing board and machine
- > fully equipped kitchen

- > laundry equipped with
 - 2 washing machine,
 - 2 tumble-dryer,
 - 1 manual spin dryer,
 - 2 ironing board and machine
 - 1 steamer
 - 1 sewing machine

Close to the stage

- > Grand Théâtre : 2 dressing rooms (1 big, 1 small)
- > Studio : 1 dressing room with shower + 1 shower

Talkback

- > All the dressing rooms are equipped with talkback monitoring

