

Theater Rotterdam

location Schouwburg Grote zaal (Main auditorium):

Technical information

1. General information

Address Theater Rotterdam, location Schouwburg

Artist entrance/reception desk : Mauritsstraat 6
 Postal code : 3012 CJ
 City : Rotterdam
 Telephone general : 010-4044111
 E-mail : ttc@theaterrotterdam.nl

Theater Rotterdam, location Schouwburg is a non-smoking building. Use of smoke effects during performances is possible on request.

For technical information and questions regarding Main auditorium, please contact:

Theater technical Coördination : Sefton Geubbels & David Teekens
 (+31(0)10-4044133) ttc@theaterrotterdam.nl

Updated technical information can be downloaded from our website: tr.nl/techniek

The Main auditorium for Theater Rotterdam is a proscenium stage and is situated on the second floor (level 2).

Grote Zaal			Low	Audience	Balcony	1st Balcony	2nd Balcony
Maximum capacity			879*	481	398	193	205
Max 1e grade			583	430	153		
Max 2e grade			195	29	166		
Max 3e grade			101	22	79		
Grote Zaal			High	Audience	Balcony	1st Balcony	2nd balcony
Maximum capacity			723	325	398	193	205
Max 1e grade			478	325	153		
Max 2e grade			166	0	166		
Max 3e grade			79	0	79		

** the maximum number of 879 seats in Lower auditorium position includes all technical- and current sites and 4 single seats on wheelchair positions in auditorium.*

Parking:

In the street next to the theatre (Mauritsstraat), parking space is reserved for lorries (trucks). Company crew arriving by car or van can use the parking garage underneath Schouwburgplein (Hight MAX. 2,00 m). The parking is open 24/7 and a discount on the parking fee is available through a reservation via internet: tr.nl/parkeren

Standard working times:

Start time	:	10:00
Lunch time	:	12:30 – 13:00
Dinner time	:	17:30 – 19:00
Start time performance	:	
• evening	:	20:00 uur
• afternoon	:	15:00 uur

Working hours can be adjusted when agreed upon.

2. Dimensions

Fixed proscenium	:	Width	:	17,99 m	Height	:	8,94 m
Portal towers-opening	:	Min.	:	12,03 m	Max.	:	17,98 m
Portal bridge height	:	Min.	:	0,20 m	Max.	:	9,00 m

Depth (from point zero)	:	Back wall stage	:	22,10 m
		Balcony	:	17,69 m
		Orchestra pit front	:	7,77 m
		Front of stage	:	3,79 m
		Back fixed opening	:	1,96 m
		Front of fire curtain	:	1,93 m
		Width of fire curtain	:	0,30 m
		House curtain	:	1,35 m
		Front manteau	:	0,80 m
		Back bridge	:	14,52 m
		Back wall stage tower	:	14,00 m
		Back wall stage	:	15,74 m

Width	:	Side bridge stage right	:	12,36 m
		Wall side stage right	:	21,98 m
		Side bridge stage left	:	12,51 m
		Wall stage tower right	:	14,35 m

Height	:	Underside 1 st bridge	:	9,27 m
		Underside 2 nd bridge	:	17,20 m
		Underside 3 th bridge	:	21,90 m
		Attic above stage	:	23,00 m
		Hall at stagefront	:	variable –2,79 m t/m 0,00m
		Free height stage right	:	8,80 m

3. Facilities

Loading bay:

The loading bay is situated on the second level, at the rear of the Main auditorium stage. Trucks (lorries) are elevated to second level with an elevator. Mega-trailers should be uncoupled from the truck, city-trailers and smaller can be lifted with truck.

Unload level	:	0 (equals stage level)
Street level	:	-2 (-7,41 m)
Numbers of lorries to unload simultaneously	:	1

Dimensions	Shutter/ outer door	Loading door to stage	Goods elevator (Studio/dressingrooms)	Truck elevator
Lenght	.-	.-	2,85 m	15,50 m
Widht	3,20 m	5,03 m	1,90 m	3,50 m
Height	3,50 m	5,68 m	6,00 m	.-
Load capacity	.-	.-	1500 kg	30.000 kg

Stage floor:

Material	:	Kroewing
Angle	:	0 degrees, flat
Max. stage floor load (kg/m ²)	:	600
Max. sidestage and loadingbay floor load	:	800
Sprung floor	:	Yes

Special note:

Stage floor has 9 hatches (see stageplan)

Orchestra pit:

Ochestra pit moving part dimensions	:	16 x 4 meter
Floor material moving part	:	Kroewing
Dimension fixed part	:	16 x 3,59 meter
Floor material fixed part	:	Linoleum

Special note on the auditorium:

The first 14 seating rows in the auditorium are individually adjustable in height. Note that rows with a lower number can only move to a lower or same position than that of the following row. Max height difference between the rows is 30 cm, except for the first 4 rows (orchestra pit), max height difference is 20 cm.

Maximum static load	:	500 kg/m ² .
Maximum dynamic load	:	250 kg/m ²

Auditorium seating row elevator	Row	Max. down	Max. up
Orchestra pit elevator	1	-295	0
	2	-295	+20
	3	-295	+40
	4	-295	+60
Seating row elevator 1	5	-80	+78
	6	-80	+97
	7	-80	+117
	8	-80	+136
Seating row elevator 2	9	-80	+156
	10	-80	+175
	11	-80	+195
	12	-80	+214
	13	-80	+244
	14	+18,3	+275

Dressing rooms:

	Number	Level	Area (m²)	Wash basin	Shower	Toilet
Soloist dressing room	2	2	12	1	ja	1
Dressing room	6	2	22	2	ja	
Dressing room	4	3	22	2		
Orchestra dressing room Men's	1	1	50	2		3
Orchestra dressing room Ladies	1	1	50	2		3

Toilets and showers for dressing rooms 3th level are located in a central sanitary block on the same level.

Men's : 2 sinks, 2 showers, 3 toilettes
Ladies : 2 sinks, 2 showers, 3 toilettes

Note:

Lockers are available near the dressing rooms to store valuable goods.

Other rooms: (Stage Main auditorium = Level 2)

	Level
Workshop	0
Green room	1
Kitchen	2
Electrics workshop	3
Washing machine	2 & 3
Dryer	2 & 3

Communication:

Intercom system : Intercom connections available all over the building
Intercom (wireless) : 14 beltpacks and 3 central posts.
Public address : Public spaces
Corridors
Dressing rooms
Green room
Auditorium

Stage sound in dressing rooms	:	Yes
Stage manager's desk	:	Stage right or stage left (standard position)
Camera in auditorium	:	Yes
Infrared camera	:	No
Camera in orchestra pit	:	NO
Extra video-connections	:	Stage left/right, up/down, orchestra pit, FOH

Various connections:

TV	:	Yes
Telephone on stage	:	Yes
Fire hose	:	Yes
Water (hot and cold)	:	Yes, upstage right
Compressed air	:	Yes, pressure: 9 bar
Water drain	:	At loading dock backstage or sink at upstage left.
Smoke detectors	:	Yes
Smoke detection switch off	:	Yes, possible in consultation with stagemanager .

Lifts and ladders :

Personal elevator	:	Yes
Manufacturer	:	Alp
Maximum working height	:	11 m
Various ladders and steps available		

House curtain:

Curtain colour	:	Red velvet
Control curtain	:	Manual at downstage left
Movement options curtain	:	Horizontal / Wagner

Dancefloor:

Dancefloor available	:	Yes
Colours	:	Black, grey or white

Masking:

Type	Number	Height	Width	Colour
Legs	16	11,5	4	Black
Borders	6	5	22	Black
Backdrop (split)	1	11,5	2 x 12	Black
Backdrop	1	11,5	21	Black
Cyclorama	1	11,5	22	Off-white
Gauze	1	10,6	22	Black

Cloth tubes are available in 1, 2 en 4 meter. Diameter 30mm.

4. Fly system

Manufacturer	:	Tait
Control	:	2 x portable
Minimum and maximum bar height	:	Min : 0 m Max : 22,50 m
Bar lenght	:	22 m
Bar diameter	:	48,3 mm
Bar thickness	:	5 mm
Max. bar loading capacity	:	500 kg even load
Point load under steelcable	:	250 kg
Point load between steelcables	:	80 kg
Max. speed	:	2 mtr./sec. < 300 kg.
	:	1 mtr./sec. 300 – 500 kg.
Min. Speed	:	1 mm./sec.
Max. bars moving simultaneously	:	All (max. 18 with full load and max. speed)
Number of steelcables/bar	:	7
Distance between steelcables	:	3,30 m
Grid accesible	:	Yes

Bar	Distance to point zero	Notes
Curtain	-1,30	
1	-1,10	
2	0,40	
3	0,60	
4	0,80	
5	1,00	
6	1,20	
7	1,40	
8	1,60	
9	1,80	
10	2,00	
11	2,20	
12	2,40	
13	2,60	
14	2,80	
15	3,00	
16	3,20	
17	3,40	
18	3,60	
19	3,80	
20	4,00	
21	4,20	
22	4,40	
23	4,60	
24	4,80	
25	5,00	
26	5,20	
27	5,40	
28	5,60	
29	5,80	
30	6,00	
31	6,20	
32	6,40	
33	6,60	
34	6,80	
35	7,00	
36	7,20	
37	7,40	

Bar	Distance to point zero	Notes
38	7,60	
39	7,80	
40	8,00	
41	8,20	
42	8,40	
43	8,60	
44	8,80	
45	9,00	
46	9,20	
47	9,40	
48	9,60	
49	9,80	
50	10,00	
51	10,20	
52	10,40	
53	10,60	
54	10,80	
55	11,00	
56	11,20	
57	11,40	
58	11,60	
59	11,80	
60	12,00	
61	12,20	
62	12,40	
63	12,60	
64	12,80	
65	13,00	
66	13,20	
67	13,40	
68	13,60	
69	13,80	
71	11,55 L from centre	Lat. bar stage right (outside)
72	11,35 L from centre	Lat. bar stage right (inside)
81	11,70 R from centre	Lat. bar stage left (outside)
82	11,50 R from centre	Lat. bar stage left (inside)

Marks:

1	Low
2	High
3	Fixed
4	Ask
5	Lowest mark between

Lateral bars:

Maximum loading capacity	:	500 kg even load
Point load under steelcable	:	250 kg
Point load between steelcables	:	100 kg
Number of steelcables	:	5
Distance between steelcables	:	2,60 m
Bar length	:	12,40 m

Point hoists:

For point loads above stage, we have no hoists in house. Hoists can be rigged above stage grid. Points cannot move during performance.

5. Orchestra

Orchestra pit available	:	Yes
Total surface (m ²)	:	144
Open section (m ²)	:	64
Closed section (m ²)	:	80

Orchestra pit is accesible via truck elevator, though not simultaniously with truck unloading at stage level. Orchestra pit is accessible via persons elevator (level 1)

Instruments :

Grand piano	:	Steinway C
Upright piano	:	Yamaha Vienna
Lecterns	:	Yes, 40 all with lights.
Conductor stand	:	Yes
Conductor riser	:	Yes
Orchestra chairs	:	100
Upholstery	:	Black steel with gray trim.
Adjustable	:	Yes
Soloist platform	:	6

6. Lighting

Position light booth	:	Lower booth : back auditorium level 2 Upper booth: back auditorium level 4 (1 st balcony)
Console	:	MA lighting grandMA3 light / MA2 on PC
Position Console	:	Auditorium row 14 or light booth

Open window booth possible	:	No
House lights DMX controllable	:	Yes
Working lights DMX controllable	:	Yes
DMX/Artnet connection	:	Everywhere in the room. ELC nodes
House dimmers	:	MA Lighting
Number of circuits	:	248 x 3 kW 50 x 5 kW 4 x 11 kW
Mobile dimmerpacks	:	2 x DimMA rack, 24 x 3kW each
Dimmerprotocol	:	DMX 512/1990 Art-Net/ MA-Net
Connectortype	:	DIN 5-polig XLR CAT5 (ethernet)

Mains power :

Location	Amount	Fused	Connection	Level
Downstage right	2	125 A	CEE 125 A	2
Downstage left	1	125 A	CEE 125 A	2
Downstage left	1	63 A	CEE 63 A	2
Downstage left	1	32 A	CEE 32 A	2
House bridge right	1 x 63 A	63 A	CEE 63 A	5
House bridge left	1 x 63 A	63 A	CEE 63 A	5
Side bridge right	1	63 A	CEE 63 A	5
Side bridge left	1	63 A	CEE 63 A	5
Orchestra pit right	1	63 A	CEE 63 A	1
Orchestra pit left	1	63 A	CEE 63 A	1

Lighting fixtures: (fixed position)

Position	Amount	Type	Power (Watt)	Manufacturer	Type	Angle
House bridge 1	16	Zoomprofile	2000	Robert Julliat	714	15 – 40
House bridge 2	16	Zoomprofile	2000	Robert Julliat	714	15 – 40
Proscenium left	12	Zoomprofile	1000	Niethammer	Enizoom	18 – 38
Proscenium right	12	Zoomprofile	1000	Niethammer	Enizoom	18 – 38
Portal bridge	16	Zoomprofile	1000	Robert Juliat	613SX	18 – 38
	8	P.C.	2000	ADB	C 203	8 – 58
<i>Side bridge left</i>						
<i>Side bridge right</i>						
Portal tower left	9	Zoomprofile	1000	Niethammer	Enizoom	18 – 38
Portal tower right	9	Zoomprofile	1000	Niethammer	Enizoom	18 – 38
2nd balcony	2	Follow spot	1200 HMI	Robert Juliat	Super Korrigan	
Curtain warmers	2	Fresnel	1000	ADB		

Lighting fixtures:

Type	Power (Watt)	Amount	Manufacturer	Type	Angle
Fresnel	1000	12	Desisti	Leonardo 310	7° – 54°
Fresnel	2000	20	Desisti	Leonardo 320	8° – 54°
Fresnel	5000	4	Desisti	Leonardo 351	5° – 56°
PC	2000	6	ADB	C 203	8° – 58°
Zoomprofile	1000	32	Niethammer	Enizoom	18° – 38°
Zoomprofile	1000	16	Robert Juliat	613SX	28° – 54°
Zoomprofile	1000	32	Robert Juliat	614SX	16° – 35°
Par 64	1000	72		220 volt	Very Narrow/ Narrow/ Medium
Cyclorama	1000	32	ADB	Asymetric	4 trussframes with 8 cyclo units each
Asymetric flood	1000	15	Strand	Iris	
Volgspot	1200 HMI	2	Robert Juliat	SuperKorri gan	

For availability please contact technical coordination.

After consultation following moving /LED/smoke/haze is available

Moving lights	:	Robe Spider
	:	Robe T1
	:	Robe DL4S
	:	JB lighting P12
LED tube/strip	:	Showtec Pixelbar 18 Q4 tour
	:	Astera Titan Tube
Haze and smoke	:	Swefog Ultimate 3000DMX
	:	Look Viper 2.6

7. Sound

Position sound:	:	Middle auditorium (on row 14 between seat 9-15).
Sound power (TV registration)	:	Yes (1 x 63 A, 1 x 32 A and 3 x 16 A)
Sound power stage	:	Yes (2 x 32 A stage left & right, and several 16 A).
Soundpower auditorium	:	Yes (1 x 16 A).
Sound power booth	:	Yes (1 x 16 A).

Consoles	:	Yamaha CL3
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Digital audio system:

Theater Rotterdam Schouwburg is equipped with a digital I/O system by Lawo. Extra equipment can be connected through MADI protocol via glassfiber (Neutrik OpticalCON). There is a set of mini YGDIA cards available: 1 x MY16-MD64 en 2 x MY16-EX.

FOH-system:

Speakers	:	D&B 6 x YSub (3 each side) 2 x Sub B2 (if extra sub is needed) 16 x Y8 (8 each side) 1 x YP7 Cluster: 6 x T10
Amplifiers	:	D&B D12 en D20
Monitorspeakers	:	2 x D&B E12 Available on request: 8 x D&B MAX2
Surroundspeakers	:	D&B E8 Available on request.
Extra speakers	:	D&B E12, E8 and E6 available on request.

Microphones:

Both wired and wireless available on request.

8. Video

On request a projector, lenses, projection screens, scaler and cabling are available.

Projector	:	Epson EB-G7905u 7K projector.
	:	Epson EB-L1505U 12K laser projector