Technical information

Theater Rotterdam
location Schouwburg Grote zaal (Main auditorium):

1. General information

Address Theater Rotterdam, location Schouwburg

Artist entrance/reception desk	:	Mauritsstraat 6
Postal code	:	3012 CJ
City	:	Rotterdam
Telephone general	:	+31(0)10-4044111
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 coordination
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).
You can look around in our Main Auditorium.

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 áll technical- and current sites and 4 single seats on wheelchair positions in auditorium.***

Parking:
Theater Rotterdam is located in a Zero-Emission zone. See further details.

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 schedule:

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 1st bridge	: 9,27 m
	Underside 2nd bridge	: 17,20 m
	Underside 3th bridge	: 21,90 m
	Attic above stage	: 23,00 m
	Edge 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 floor, 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 simultaniously	:	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/m²)	:	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

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

	Level
Workshop	0
Green room	1
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	:	N0
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 around 25m distance
Smoke detectors	:	Yes
Smoke detection switch off	:	Yes, possible in consultation with stage manager

Lifts and ladders :

Personal elevator	:	Yes
Manufacturer	:	Böcker
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	:	DTS2 – Waagner Biro
Control	:	1 x portable, 2 x operater bridge
Bar height	:	Min : 0 m Max : 22,50 m
Bar length	:	22 m
Bar diameter	:	48,3 mm
Bar thickness	:	5 mm
Max. bar loading capacity	:	**500 kg** even load
Point load under steel cable	:	**200 kg**
Point load between steel cables	:	**80 kg**
Point load end of bar	:	**50 kg**
Max. speed	:	2 mtr./sec. 500 kg.
Min. Speed	:	1 mm./sec.
Max. bars moving simultaneously	:	All (max. 128 with full load and max. speed)
Number of steel cables/bar	:	7
Distance between steel cables	:	3,30 m
Grid accessible	:	Yes

Lateral bars:

Maximum loading capacity	:	**500 kg** even load
Point load under steel cable	:	**200 kg**
Point load between steel cables	:	**80 kg**
Number of steel cables	:	5
Distance between steel cables	:	2,60 m
Bar length	:	12,40 m

Prosceniumbar @ auditoriumbars

Bar height	:	Min: 0 m Max: 14 m

Loading capacity as in stage bars

Point hoists:

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

5. Orchestra

Orchestra pit available	:	Yes
Total surface (m²)	:	144
Open section (m²)	:	64
Closed section (m²)	:	80

Orchestra pit is accessible via truck elevator, but not simultaneously during 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 (1st balcony)
Console	:	MA lighting grandMA3 light
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 dimmer packs	:	2 x DimMA rack, 24 x 3kW each
Dimmer protocol	:	DMX 512/1990 sACN
Connector type	:	DIN 5-polig XLR
	:	CAT5 (ethernet)

Main 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
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:
Conventional fixtures are available upon request. Please contact technical coordination.
After consultation following moving /LED/smoke/haze can be available

Moving lights	:	Robe Spiider
	:	Robe T1
	:	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).
Sound power auditorium	:	Yes (1 x 16 A).
Sound power booth	:	Yes (1 x 16 A).

Sound covenant:
Theater Rotterdam uses the following sound covenant.
Covenant controlling sound levels & hearing loss prevention

Consoles	:	Yamaha CL3, available after

FOH-system:

Speakers	:	D&B 16 x Y8 (8 each side) 6 x YSub (3 each side) 2 x Sub B2 (available upon request) 2 x YP7 (1 each side) Cluster: 6 x T10
Amplifiers	:	D&B
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