

THE PLAYHOUSE COMPANY TECHNICAL SPECIFICATIONS THE OPERA THEATRE

1. PROSCENIUM OPENING

<u>True Proscenium:</u>	Width	14.65m
	Height	9.45m
<u>False Proscenium:</u>	Width	
	Height	6.50m to 9.60m

2. MAIN STAGE

Floor covering		Masonite
Width from OP to Prompt Sound Barrier		27.0m
Depth from Main Curtain to Rear Wall		19.70m
Distance from Centre Stage to Prompt Sound Barrier		13.50m
Distance from Centre Stage Prompt Side Wall		29.0m
Distance from Centre Stage to OP wall		13.0m
Opening in wall between Main Stage and Prompt side stage		
	Width	15.0m
	Height	8.00m
Distance from Curtain to front of small orchestra pit		5.60m
Distance from Curtain to front of large orchestra pit		7.60m
Height from Stage floor to Grid		24.50m
Height from Stage floor to fly galleries	1st	8.25m
	2nd	11.30m
	3rd	18.50m
	4th	21.95m
<u>Side Stage Wings:</u>	Prompt(W X D)	20.00m x 18.00m
	Area	360.00m ²
	OP(W X D)	3.00m x 20.00m
	Area	60.00m ²
<u>Capacity:</u>	stage surround	500kg/m ²

3. STAGE EQUIPMENT

<u>Stage Lifts:</u> (5 lifts - each two storeys)		
Width x Depth		15.0m x 3.0m
Total Lift Area		15.0m x 15.0m (225m ²)
Clearance between upper and lower storey		2.65m
Capacity - each - static load		112kg/m ²
	dynamic load	224kg/m ²
Travel distance above stage - each		3.0m
Travel distance below stage - each		3.0m
Maximum travel distance - each		6.0m
Travel speed - each:		0.25m per second
Internal traps (5 on each lift) - each		1.5m X 1.5m

Stage Rake: (the stage lifts create the rake.)

Maximum rake angle	7°
Maximum dynamic load on lifts raked at 7°	300kg/m ²

** Please note: Prior notification required for the use of the facility!!**

Orchestra Lift:

Maximum width x maximum depth	15.0m x 3.56m
-------------------------------	---------------

THE PLAYHOUSE COMPANY TECHNICAL SPECIFICATIONS THE OPERA THEATRE

Travel speed - Orchestra lift	0.05m per second
Capacity - Orchestra lift	
Static Load	500kg/m ²
Dynamic Load	150kg/m ²
Maximum travel distance	Stage level to -4.39m

Orchestra Internal Instrument Lift:

Width and Depth	3.02m x 2.52m
Travel speed - Instrument lift	0.02m per second
Capacity - Instrument lift	
Static Load	500kg/m ²
Dynamic Load	200kg/m ²
Maximum travel distance	Stage level to -4.93m

Orchestra pit configurations:

small pit (max 35 musicians)	104m ²
large pit (max 70 musicians)	144m ²

Personnel Lift:

Width	1.5m
Depth	1.5m
Capacity	150kg/m ² - 1 PERSON ONLY
Travel Distance	2.65m
Travel Speed	Approx. 1m/2 secs
This lift has 25 set positions - a groundplan is available on request.	

4. FLYING EQUIPMENT: **THIS IS A MANUAL FLYING SYSTEM**

<u>Single Purchase Counterweight:</u>	79 bars
Length	22.0m
Capacity (static and dynamic - not Point load)	450kg
Distance of travel	24.00m
Speed	Variable
Distance between battens	0.20m

Side Battens:

	6 sets
L-Type Panorama	3 sets x 3.0m x 4.0m
Panorama	3 sets x 16.0m
Working load in pairs (not Point load)	450kg
Distance of travel	24.00m

Lighting Barrels:

No. of mechanised barrels	4
Working Load (uniform)	1000kg

Proscenium Lighting Bridge: (false pros) - mechanised

Depth	0.70m
Width	10.85m
Maximum Height of Bridge	9.60m
Minimum Height of Bridge	6.50m
Maximum Proscenium Opening	
Minimum Proscenium Opening	
Maximum Loading Capacity	3000kg

THE PLAYHOUSE COMPANY TECHNICAL SPECIFICATIONS THE OPERA THEATRE

Distance of Travel - Vertical	3.10m
- Lateral	5.00m
Travel Speed	0.05m per sec
Bar Positions on upstage side of bridge	
no. 1 (bottom)	At base of bridge
no. 2 (intermediate)	1.8m from base
no. 3 (top)	2.5m from base

5. HOUSE DRAPES:

<u>Main Tabs:</u> 1 x Blue Velvet electrically operated House Curtain	
Vertical travel distance	11.00m
Travel speed to open fully	14 secs
Horizontal travel distance	17.00m
Travel speed to open fully:	14 secs

Black surround:

Black Traverse Curtains	2 x 22.00m x 13.20m
Black Borders	5 x 25.00m x 4.00m
Black Legs	10 x 12.00m x 4.00m

Back Projection Screen	1 x 22.00m x 12.00m
Wrap-around cyclorama (in poor condition)	1 x 30.00m x 12.00m

6. STAGE ACCESS

Set pieces are brought on to the stage from street level through the Loading Bay on PS.	
Height:	4.2m
Width:	4.0m

7. POWER SUPPLY

3 Phase 60amp power outlets are available at strategic points on stage.

8. LIGHTING EQUIPMENT

<u>Lighting Control:</u> <i>designers stalls also available</i>	
<u>Channels:</u>	800
<u>Dimmers:</u> (220V - 50Hz)	
5Kw Dimmers	60
2Kw Dimmers	440
Non-dimmable circuits	11
Total (incl. houselights)	512
<u>Front of House:</u>	
1st Clouds	17 x 2Kw Cadenza Profiles
2nd Clouds	15 x 1Kw Harmony Profiles
FOH Slots	4 x 2Kw Cadenza Profiles per side
Proscenium Slots	6 x 1Kw Harmony PC's per side
<u>Stage:</u>	
Bridge Teaser	20 x 1Kw Harmony 15/28
Bridge Tormentor	6 x 1Kw Harmony 15/28 per side
Bar 1	12 x 1Kw Harmony PC's 12 x 2Kw Cadenza F
Bar 2	12 x 1Kw Harmony 15/28 12 x 2Kw Cadenza F
Bar 3	12 x 1Kw Harmony 15/28

THE PLAYHOUSE COMPANY TECHNICAL SPECIFICATIONS THE OPERA THEATRE

Bar 4	12 x 2Kw Cadenza F 12 x 1Kw Harmony 15/28
Cyclorama Bar	12 x 2Kw Cadenza F 10 x Iris 4 (4 Colours)
Side Stands (4 per side) on request	2 x 1Kw PC 1 x 1Kw Harmony Profile 15/28
<u>Additional lighting and projection equipment available by arrangement:</u>	
Followspots	3
Projectors	6 x Pani 2Kw 2 x Pani 5Kw
Effects	Cloud, rain, snow, strobe, UV

9. SOUND EQUIPMENT

<u>Mixing Console:</u>	Midas Pro 9 digital console
<u>System digital signal processing:</u>	Galileo 2.6.1
<u>House PA:</u>	
All Meyer loudspeakers are self-powered	
The system is available for most applications with pre-set states on the Galileo 2.6.1	
<u>PA Left:</u>	8 6 X Meyer M2D loudspeakers (left,right) 2 X Meyer M2Sub sub-bass loudspeakers 2 X Meyer 650P dual 18" powered sub-bass units
<u>PA Right:</u>	8 6 X Meyer M2D loudspeakers (left,right) 2 X Meyer M2Sub sub-bass loudspeakers 2 X Meyer 650P dual 18" powered sub-bass units
<u>Centre Cluster:</u>	4 x Meyer CQ1/CQ2 speakers
<u>Stage monitor system:</u>	Midas Legend 3000, 48 CH Console 4 x dBx iEQ 31 Band Stereo Graphic Eq.
<u>Monitors</u>	6 x JBL SRX 712, 6 x SRX 715
<u>Stands:</u>	6 X Prosound tripod loudspeaker stands
<u>Amplifiers:</u>	4 x xTi 4000 Crown Amps, 4 x Crest 1500

10. DRESSING ROOMS

<u>Level -1:</u>	
RoomB125	15 persons
Room B125A	16 persons
These rooms have a shared bathroom with:	
	2 toilets, 2 showers and 5 washbasins
Room 126	19 persons
Room 126A	14 persons
These rooms have a shared bathroom with:	
	4 toilets, 4 showers and 2 baths and 5 washbasins
<u>Level 1:</u>	
Room 103	1 person - toilet, shower, 2 washbasins
Room 104	1 person - toilet, shower, 2 washbasins
Room 105	1 person - toilet, shower, 2 washbasins
Room 106	1 person - toilet, shower, 2 washbasins
Room 108	1 person - toilet, shower, 1 washbasin
<u>Level 2:</u>	
Room 201	4 persons - toilet, shower, 2 washbasins
Room 202	4 persons - toilet, shower, 2 washbasins

**THE PLAYHOUSE COMPANY TECHNICAL SPECIFICATIONS
THE OPERA THEATRE**

Room 203	4 persons - toilet, shower, 2 washbasins
Room 204	4 persons - toilet, shower, 2 washbasins
Room 206	1 person - toilet, shower, 2 washbasins

Level 3:

Room 301	20 persons - 2 toilets, 2 showers, 4 washbasins
Room 302	9 persons - 2 toilets, 2 showers, 3 washbasins
Room 304	9 persons - 2 toilets, 1 shower, 2 washbasins