

Milton Keynes Theatre – Technical Specification

Seating Capacities: 1376 (3-tier Lyric) 1080 (2-tier Drama)

<u>STAGE</u>	Stage Flat	
Stage Height	Auditorium Floor to Stage	1100mm
Proscenium	Minimum Width	11000mm
	Maximum Width	14000mm
	Maximum Height	8500mm
Depth	Back of Iron to Shell Wall	15000mm
	Front of Stage to Shell Wall	16000mm
	Front of Pit Lift 1(Forestage) to Shell Wall	18500mm
Width	Centre Line to S.R. Wall	18800mm
	Centre Line to S.L. C/W Cage	12450mm
	Centre Line to S.R. Fly Gallery	11230mm
	Centre Line to S.L. Fly Floor	11230mm
Height	To Grid	23000mm
	Maximum Flying Height	22000mm
	To Underside of Fly Galleries	8100mm
Wing Space	Pros. to S.R. Wall	11800mm
	Pros. to S.L. C/W Cage	5420mm
Floor	6mm oil tempered hardboard on 25mm ply	
	12 removable floor modules each 2400 X 1200 mm	
	Module support structure also removable	
	Depth of Stage Trap Room	3500mm
Flying System	73 Single Purchase C/W Bars @ 200mm Centres ,Length 16000mm	
	Bar extensions each end	2000mm
	S.W.L. 500kg evenly distributed.	Barrel O.D. 48mm
	Operated from S.L. Fly Floor	
	Line 1: House Tabs	
	Line 3: House Header	
	Line 4: Tracked Pros. Masking.	
	Line M5 (motorised) S.W.L. 800kg	
	Line M20 (motorised) S.W.L. 5000kg.	
	1 C/W, 1 Motor & 2 Manual Up & Down Bars per side.	
	3 Motorised Bars over Forestage (S.W.L. 500kg): Bar F1 – 100mm, Bar F2 - 1700mm, Bar F3 – 3750mm from front edge of Stage.	
Clearance Between Fly Floors		22460mm

Orchestra Pit 3 Independent Pit Lifts
 Lifts 1- 3 can be used as Forestage
 (**Lift 1** loses 37 Auditorium seats, **Lift 2** loses a further 51 seats,
Lift 3 loses a further 63 seats)
 All lifts are double deck, Lifts 2 & 3 can be used as a Pit
 in front of a Forestage.

Approx. Capacities: Lift 1 as Pit 20 Players
 Lift 1 as Forestage, Lift 2 as Pit 30 Players
 Lifts 1 & 2 as Pit 50 Players
 Lift 1 as Forestage, Lifts 2 & 3 as Pit 70 Players
 Lifts 1, 2 & 3 as Pit 100 Players

Removable Treads from Stage to Auditorium S.R. & S.L
 6' Yamaha C3 Grand Piano - Kemble Upright Piano in Warm-Up
 Space

Get In Access from **Marlborough Gate** to S.R Loading Bay & Doors.
 Main Dock Door 6300mmW X 4000mmH
 Stage 700mm above road level.
Space to unload 3 trailers simultaneously.
 Passenger/Goods Lift from Loading Bay independent
 of Stage.
 Passenger/Goods Lift to Basement (Orchestra Pit)
 and Wardrobe.

PLEASE NOTE ALL STOCK AVAILABILITY MAY DIFFER DUE TO REPAIRS ETC.

Masking 5 Black Serge Borders 19m X 3.7m (conduited)
 2 Black Serge Half Tabs 10m X 10m
 4 Pairs Black Serge Legs 10m X 2.5m
 2 Pairs Black Serge Legs 10m X 3m
 1 Pair Black Serge Legs 10m X 4m
 2 Black Masking Flats 8mH X 2.4mW + 3 Flats 5.3mH X 1.8mW

White Filled Cloth Cyclorama 18m X 9m drop

Large stock of 20mm Conduit
 16mW X 12mD Harlequin Dance Floor

LIGHTING Installed Dimmers 700Amp 3-Phase
 336 2.5kw outlets.....140 ways F.O.H.....194 ways Stage
 62 5kw outlets
 6 10kw outlets
 25 15A non-dim circuits.
 39 DMX sockets with links for touring dimmers & control.

ETC, Eos Lighting Desk (4 streams of DMX) (in use from Jan
 2009) operated from control room at rear Circle.

F.O.H. Lanterns 20 ADB DN205 10-20 degree 2kw zoom profiles
 20 ADB DS205 13-36 degree 2kw zoom profiles
 2 Robert Juliat Aramis 2.5kw HMI Followspots

Linear distance Circle Front to front edge of stage: 16m

All F.O.H. Positions are Fixed –
Please note: 2-tier Auditorium format obscures LX Bridge 3

Lantern Stock	20	ADB DS105 15-31 degree 1.2kw zoom profiles	
	6	ADB F201 2kw Fresnels	
	6	ADB C203 2kw P.C.s	
	30	ADB F101 1.2kw Fresnels	
	52	Par 64 Cans (mostly CP62)	
	8	ADB ACP 1004C 4 Square 1.25kw Cyc Floods	
	8	4 In Line CCT Minuette Groundrows	
	19	Source 4	
		Lens tubes Approx.	3 x 19° 10 x 26° 10 x 36° 1 x 50°

Multicore & IWBs	<u>Socapex:</u>	16 X 30m on Fly Floor, 16 X IWBs, 16 X 15m loose for stage use, 16 X Stage Boxes.
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Aux Power	400 Amp 3-Phase D.S.R. Wing NRG Powerlocks (installed August 2006) with new E.U. regulated colours. <u>OLD COLOURS NOT NOW LEGAL</u> Busbar Chamber plus 125A, 63A & 32A breakout on Ceeform 3P+N+E
	200 Amp Single Phase (clean phase for Sound) D.S.R. Wing 125A, 63A & 32A breakout on Ceeform 2P+E
	60 Amp 3-Phase Grid above Stage with 32A breakout on Ceeform 200 Amp 3-Phase S.R. OB Power

SOUND & COMMUNICATION (Cable runs & Dip traps throughout)

In-House Sound	Sound control room & open mixing position <u>Rear of Circle</u> – no seats lost Linear distance to front edge of stage: 30.75m
Incoming Sound Desks	Touring Co. Mixing Position 3.4m Wide X 3m Deep <u>Centre Stalls 'Cockpit'</u> (24 seats lost)
Mixer	Soundcraft K2 40:8:2
Mic sockets	175 lines plus 60 audio tie lines (mic patching in sound control room)
Outboard Eqpt.	Denon DN-M1050R Minidisc Player, Tascam CD Player, Digital FX Unit, Cassette Deck (all Rack Mounted) 6-channel Mixing Desk, additional Sony Minidisc Player (no Auto Pause).
Microphones	5 Shure SM58, 2 Shure SM57, 4 AKG SE300B, 2 Stereo D.I. boxes.
Auditorium Speakers	Community SLS920s Centre Cluster & Pros. 2 EM/EMS 215 Subs 2 EM/ I-12 Subs D&B 902LSs Upper Circle fills Altec 409s (delayed) Rear Stalls, Circle, Upper Circle JBL Control 1s Pit Rail (optional) Driven & EQ'd by: Soundweb 9088ii networked signal processor.
Effects Speakers	2 Community CSX25-S2s
Foldback Speakers	4 Community CSX38-S2s 2 Community CSX58-S2s

Mini P.A. Equipment 2 D&B E9 Loudspeakers & Controllers + D&B P1200A Mainframe

Infra-Red 1 Channel Hard of Hearing 1 Channel Audio Description

S.M. Desk Can be sited D.S.L., D.S.R., Stalls & Sound Control Room
Production Desk Compatible with S.M. Desk sockets

Cue-Lights 41 outlets patched to 14 on S.M. Desk
Intercom 12 Canford Tecpro BP115 Twin Ring Belt Packs
Show Relay Audio & Video to all areas

DRESSING & CHANGING ROOMS Total Capacities: 97 Performers + 70 Orchestra

Showers in all Dressing Rooms except 18 Person (Supers) Room

Ground Floor

1-2 Persons Capacity.....	1 Room	(Dressing Room 1)
1-4 Persons Capacity.....	3 Rooms	(Dressing Rooms 3,4 & 5)
5 Persons Capacity.....	1 Room	(Dressing Room 2)
12 Persons Capacity.....	1 Room	(Dressing Room 6)
18 Persons Capacity.....	1 Room	(Dressing Room 7)

Company Manager's Office inc. Phone, Fax, Copier, Safe & Gun Cabinet
 (Computer modems use analogue fax line as phone line is digital)

Visiting Technical Staff Room

First Floor 12 Persons Capacity..... **4 Rooms** (Dressing Rooms 8 – 11)

Second Floor Warm-Up Space 8m X 8m Sprung Wooden Floor, Mirrors, Ballet Bars.

Basement

Orchestra Changing 23 Persons Capacity.....**3 Rooms** **Conductor's Room**

PLEASE TELEPHONE JASON WRIGHT ON 01908 547 611 or
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This spec. last updated 6th January 2009