



# **Harrogate Theatre Tech Spec**

## **Main House**

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### **Contacts**

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## STAGE INFORMATION

### STAGE DIMENSIONS:

<b>Proscenium:</b>	Proscenium width	7.9m	
	Proscenium height	7.9m	
	Height to bottom of iron header	6.5m	
	Height to bottom of house header	5.5m	

<b>Playing area:</b>	Rake	1:24	
	Depth (setting line to most US flying bar)	7.5m	
	Stage width (including wings)	11m	
	Apron depth at centre line	2.6m	(curves away to 1.6m at the extremes SL and SR)
	Width between most US black legs with a standard black box	7.4m	

<b>Orchestra Pit:</b>	Depth at centre line	2.3m	(curves away to 1.4m at the extremes SL and SR)
	Height from stage level	1.6m	(the floor of the pit is not raked)
	Maximum capacity of pit	12 people	

Apron is made of 8 aluminium decks individually removable (See ground plan for more detail)

**STAGE SURFACE:** Timber floor skinned in 6mm oil tempered hardboard  
Drilling or other fixing into the floor is allowed by prior arrangement

<b>FLYING:</b>	Height under fly floors US	7.35m
	Height of grid US	13.72m
	Maximum grid loading	2400kg evenly distributed

Any significant point or overall loads should be discussed with the theatre as early as possible

<b>Flying lines:</b>	29 hemp sets - 4 lines	10.5m bar width
	1 counterweight bar DS normally carrying the house tabs	8.9m wide
	5 winch bars normally carrying LX	10m wide
	<i>winch 1 - DS of hemp 1</i>	
	<i>winch 2 - between hemp 7 &amp; 8</i>	
	<i>winch 3 - between hemp 12 &amp; 13</i>	
<i>winch 4 - between hemp 20 &amp; 21</i>		
<i>winch 5 - between hemp 22 &amp; 23</i>		
<b>Recommended max. cloth size</b>	<b>10.5m x 6m</b>	

<b>GET-IN:</b>	Dock door dimensions	3m x 1.8 m
	Drop to street level	1.22m

### STAGE MANAGEMENT:

Prompt desk situated DSL with:  
12 channel Q-light system  
Cans  
Backstage/FoH tannoy  
Show relay TV monitor

### ROOMS:

**Stage Kitchen:** Situated MSR  
Containing fridge, kettle, sink (drinking water), microwave, phone

**Green Room:** 2 floors above stage  
Containing fridge, freezer, 2 microwaves, kettle, toaster, sink (drinking water)

**Dressing Rooms:** There are a total of 7 dressing rooms containing a total of 35 positions  
Anything above this number is at the theatre's discretion and must comply with our health and safety policy

Room	Positions
1	5
2	4
3	4
4	4
5	4
6	4
Understage	10

NB: no running water

**Showers:** 2 - located 1 floor above the dressing rooms

**Wardrobe:** Containing maintenance room, ironing board, 3 industrial sewing machines, 1 industrial over-locker, 2 washers, 1 industrial dryer and 2 drying cabinets

## STAGE KIT LIST

### MASKING & CLOTHS:

	Item	Qty	Width (m)	Drop (m)	Notes
<b>Soft:</b>	Black Serge Borders	1	10.5	3	Permanently hung under the front bridge
		1	10.5	3	Normally hung as part of black box
		2	10.5	2.5	Normally hung as part of black box
		1	5	2.4	*
		1	3.2	2.4	*
	Wine Borders	1	8.05	2.4	*
		1	8.7	2.3	*
	Black Serge Legs	6	3	6.5	Normally hung as part of black box
	Old Velour Legs	6	3.5	6.5	*
	<b>Hard:</b>	Black Serge Flats	8	2	5.5
		2	1	5.5	

+ assorted other hard black masking flats

<b>Sundries:</b>	House Tabs	2	5.5	6.2	(approx.) Red velour w/ gold skirt
	Black Serge Half Tabs	2	5	6	Normally hung as mid-stage split tabs
	Starcloth	1	10.5	6.5	* Normally hung as upstage full black
	White Cyclorama	1	10.5	6.5	Normally hung as upstage cyc
		1	10.5	5.5	*
	White Filled Cloth	2	3	6	*
	Light Cotton Tabs	2	2.5	4.7	*
		2	4	4.7	*
		1	2.2	4.7	*

<b>Gauzes:</b>	White Sharkstooth	1	10.5	5	*
		1	9.7	5.7	*
	Black Sharkstooth	2	6	5.5	*
	Blue Sky (Painted)	1	10.5	6	*

### STAGING:

	Item	Qty	Size		
<b>Decking:</b>	Steeldeck	12	8' x 4'		*
	Top Deck (Aluminium)	24	2m x 1m		*
		4	1m x 1m		*

### MISCELLANEOUS:

<b>Triple E:</b>	<b>Track Length</b>	<b>Qty</b>			
	2m	79			*
	1m	12			*
	0.5m	7			*

+ associated carriers, pulleys and hook clamps

### **Curved Aluminium Bar:**

in 6 individual pieces to a complete diameter of 10m \*

<b>Projection Screen:</b>		<b>Width</b>	<b>Height</b>		
	Back projection screen	10.7m	6.4m	*	Truss frame

### **Stage Weights:**

Approx. 30

### **Stage Braces:**

12

\* Items marked must be pre-booked and may incur a hire charge

**HANGING PLOT (Standard Black Box)**
**Max Bar Loading - 100kg**

<b>BAR</b>	<b>DISTANCE FROM PROS</b>		<b>Notes</b>	<b>BAR</b>
	<b>m</b>	<b>ft,in</b>		
HEMP 29	7.62	25'0"	Starcloth (full black)	HEMP 29
HEMP 28	7.45	24'5"	White cyc	HEMP 28
HEMP 27	7.29	23'11"		HEMP 27
HEMP 26	7.11	23'4"		HEMP 26
HEMP 25	6.94	22'9"		HEMP 25
HEMP 24	6.60	21'8"		HEMP 24
HEMP 23	6.43	21'1"		HEMP 23
LX Winch	6.26	20'6"	LX#5 (Cyc floods)	LX Winch
HEMP 22	5.91	19'5"	Legs (3600mm from centre)	HEMP 22
HEMP 21	5.74	18'10"	Border	HEMP 21
LX winch	5.57	18'3"	LX#4	LX winch
HEMP 20	5.40	17'9"		HEMP 20
HEMP 19	5.22	17'2"		HEMP 19
HEMP 18	5.05	16'7"		HEMP 18
HEMP 17	4.88	16'0"	Border	HEMP 17
HEMP 16	4.71	15'5"		HEMP 16
HEMP 15	4.54	14'11"		HEMP 15
HEMP 14	4.37	14'4"		HEMP 14
HEMP 13	4.20	13'9"		HEMP 13
LX Winch	4.06	13'4"	LX#3	LX Winch
HEMP 12	3.70	12'2"		HEMP 12
HEMP 11	3.52	11'7"	Legs (3700mm from centre)	HEMP 11
HEMP 10	3.35	10'12"	Border	HEMP 10
HEMP 9	3.18	10'5"		HEMP 9
HEMP 8	3.01	9'11"		HEMP 8
LX Winch	2.67	8'9"	LX#2	LX Winch
HEMP 7	2.49	8'2"		HEMP 7
HEMP 6	2.31	7'7"		HEMP 6
HEMP 5	2.14	7'0"		HEMP 5
HEMP 4	1.97	6'6"		HEMP 4
HEMP 3	1.79	5'10"	Legs (3800mm from centre)	HEMP 3
HEMP 2	1.62	5'4"	Border	HEMP 2
HEMP 1	1.46	4'9"		HEMP 1
LX winch	0.95	3'1"	LX#1	LX winch
HEMP 0.5 - BORDER	0.77	2'6"	Border	BORDER
C/WEIGHT - TABS	0.44	1'5"	Tabs	C/WEIGHT
WINCH - HEADER	0.00	0'0"	Header	HEADER

## LIGHTING KIT LIST

### LANTERNS:

Profile	24	Strand Cantata 18/32 1.2kW		Normally rigged as FOH cover
	4	Strand Cantata 11/26 1.2kW		
	2	Strand Optique 8/17 1.2kW		
	2	Strand Optique 15/42 1.2kW		
	4	ETC Source 4 36 degree 750W		
	4	ETC Source 4 50 degree 750W		
	14	ETC Source 4 Junior Zoom 25/50 575W		
Fresnel	20	Strand Cantata 1.2kW		
	4	Strand Alto 2kW		Very poor gel life unless clipped to barn doors
	4	Selecon Rama 1.2kW		
P.C.	4	Strand Cantata 1.2kW		
PAR	8	Thomas FloorLite (Par 64) 1kW		
	40	PAR 64 can 1kW		Selection of lamps
	8	Chauvet SlimPAR 64 RGB LED can	*	
	12	Thomas PAR 38 can 80W		Silver shells
Flood	12	Strand Iris 1kW		4 required for even cyc coverage
	4	Strand Coda4 500W		4 cell batten
Other	12	Pinspot		
	4	Long Nose Birdies		Selection of lamps
	10	Short Nose Birdies		Selection of lamps
Followspot	2	Selecon Performer 1200W MSR Followspot	*	

### ACCESSORIES:

12	Chroma Q scroller	*	Scrolls in stock, details on request
			Back plates for PAR64, Source4 and Cantata
4	I-Que Moving Mirror for Source 4 or S4 Junior	*	Runs from Chroma Q Scroller System
2	DHA gobo rotator for Cantata Profile	*	With one 2-channel controller
1	ChromaQ Junior FX gobo rotator for Source 4 Junior	*	
3	Iris For Cantata Profile		
4	Iris For Source 4 Junior Zoom		
4	Iris For Source 4 750		

### EFFECTS:

1	DF 50 Oil Cracker	*	
1	Martin ZR-12 Fog Machine	*	DMX or Remote control
1	Martin Magnum 800 Smoke Machine	*	
1	Antari Z1500 Smoke Machine	*	DMX or Remote control
1	Antari DNG-100 Low Smoke Chiller	*	
2	Comar Tas Windy high output fan	*	
1	Le Maitre 2-Way Pyro Flash Control System	*	
4	Le Maitre Flash Pod		
2	Strand Cadenza Effects Projector	*	No discs in stock
2	Spotlight Blackgun 400W UV Gun	*	

### CONTROL:

ETC Gio  
 2048 Channels  
 ETC Net2 DMX distribution  
 30 pages of 10 submasters  
 Moving Light Control  
 Unison Houselight and Working Light Control  
 Additional DMX tie-line from FOH position to DSL

### RIGGING:

5 x fixed position LX winches with 18 way IWBs. Max load 200kg.  
 All other bars are 4 line hemp sets with max load 100kg - not for LX use.

### CABLING:

4 x 6 way IWBs  
 Assorted socapex and 15A TRS

### DIMMING:

260 Circuits, 20 Independents  
 1 thru 66 - Front of House  
 67 thru 180 - LX Fly Floor (SL)  
 Various boxes at stage floor level

### POWER:

Power outlets located USL:  
 125A 3ph  
 63A 3ph  
 32A 3ph  
 16A 3ph  
 32A 1ph  
 16A 1ph

\* Items marked must be pre-booked and may incur a hire charge

## SOUND KIT LIST

<b>MIXING DESK:</b>	Yamaha QL5	32	XLR inputs	Open mix position at rear of stalls
		16	XLR outputs	
		2	ADAT inputs	
		2	ADAT outputs	

<b>MAIN P.A.:</b>	Stalls:	2	KV2 Audio EX12	} permanently installed FOH
		2	KV2 Audio EX1.8 sub	
		4	Wharfedale P205 rear stalls fills	
	Circle:	2	KV2 Audio EX12	
		4	Wharfedale P205 rear circle fills	
	Balcony:	2	KV2 Audio EX6	

<b>TIE LINES:</b>	24 sends from DSL to FOH position, 1-8 duplicated in pit SL, 9-16 duplicated DSR, 17-24 duplicated USC 16 sends from pit (centre) 24 returns from FOH position to amp room, 4 returns to pit (centre)
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<b>EQUIPMENT:</b>	Playback:	2	Denon DN-C620 CD Player		
		2	Tascam MD350 Minidisc Recorder		
		1	Echo Layla 3G sound card and PC	*	SCS playback software
	Effects/Processing:	1	T.C. Electronic M-One	*	
	Microphones:	6	Shure SM58 Mic	*	
		2	Shure SM57 Mic	*	
		2	Rode NT5 condenser mic	*	
		3	Audio Technica AT 835B rifle mic	*	
		4	Sennheiser e604 drum/instrument mic	*	
		1	Shure Beta 52A kick drum mic	*	
	Radio Mics:	1	Sennheiser ew 100 G3 handheld radio mic	*	
		8	Sennheiser ew 100 G3 bodypack radio mic	*	headset and lapel mics available
	D.I.s:	4	Behringer DI100 active DI box	*	
		1	Behringer DI800 8 way active DI box	*	
	Speakers:	2	EV SX500		flown as side stage fills
		4	JBL JRX112M monitor wedge	*	
		4	Proel 8" speaker	*	
		4	Work Studio 3 mini speaker	*	
		4	Canford 2-way mini speaker	*	
	Amplifiers:	2	InterM 4-way 100W per channel amp		
	Cables:		3	pin XLR-XLR	assorted lengths
			4	pole Speakon-Speakon	assorted lengths

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