



# **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 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      |

Ramped access is available for load-in

### 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

**Green Room:** 2 floors above stage  
Containing fridge, freezer, microwave, 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

Max Bar Loading - 100kg

| BAR               | DISTANCE FROM PROS |        | Notes                     | BAR      |
|-------------------|--------------------|--------|---------------------------|----------|
|                   | m                  | ft,in  |                           |          |
| 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 26 degree 750W            |  |
|            | 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                     |
|            | 4  | Selecon Rama 1.2kW                     |  |
| P.C.       | 4  | Strand Cantata 1.2kW                   |  |
| PAR        | 8  | Thomas FloorLite (Par 64) 1kW          |  |
|            | 30 | PAR 64 can 1kW                         | Selection of lamps                     |
|            | 8  | Chauvet SlimPAR 64 RGB LED can         | *                                      |
|            | 4  | Chauvet SlimPAR Q12 RGBA LED can       | *                                      |
|            | 10 | Thomas PAR 38 can 80W                  | Silver shells                          |
| Flood      | 12 | Strand Iris 1kW                        | 4 required for reasonable cyc coverage |
| Other      | 10 | Pinspot                                |  |
|            | 4  | Long Nose Birdies                      | Selection of lamps                     |
|            | 8  | Short Nose Birdies                     | Selection of lamps                     |
| Followspot | 2  | Selecon Performer 1200W MSR Followspot | *                                      |

### ACCESSORIES:

|    |  |   |  |
|----|--|---|--|
| 10 | 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         |
| 1  | DHA gobo rotator for Cantata Profile               | * |  |
| 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 Magnum 800 Smoke Machine           | * |                       |
| 1 | Antari Z1500 Smoke Machine                | * | DMX or Remote control |
| 1 | Antari DNG-100 Low Smoke Chiller          | * |                       |
| 1 | Comar Tas Windy high output fan           | * |                       |
| 1 | Le Maitre 2-Way Pyro Flash Control System | * |                       |
| 4 | Le Maitre Flash Pod                       |   |                       |
| 2 | 4ft UV tube                               | * |                       |
| 2 | Spotlight Blackgun 400W UV Gun            | * |                       |

### CONTROL:

ETC Gio  
4096 Addresses  
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

### **MIXING DESK:**

|            |    |              |  |  |
|------------|----|--------------|--|--|
| Yamaha QL5 | 32 | XLR inputs   |  |  |
|            | 16 | XLR outputs  |  |  |
|            | 2  | ADAT inputs  |  |  |
|            | 2  | ADAT outputs |  |  |

Open mix position at rear of stalls

### **MAIN P.A:**

|          |   |                                   |  |  |
|----------|---|-----------------------------------|--|--|
| Stalls:  | 2 | KV2 Audio EX12                    |  |  |
|          | 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                     |  |  |

permanently installed FOH

### **TIE LINES:**

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)

### **EQUIPMENT:**

|                     |   |   |   |                               |
|---------------------|---|---|---|-------------------------------|
| Playback:           | 2 | Denon DN-C620 CD Player                 | * |                               |
|                     | 2 | Tascam MD350 Minidisc Recorder          | * |                               |
|                     | 1 | PC with Dante link to QL5               | * | 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 mics as standard      |
| 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 foldback  |
|                     | 2 | QSC I-82H                               |   | flown as front stage foldback |
|                     | 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              |

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

## 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      |
|                  | 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      |
| <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            |
| <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> | Top Deck (Aluminium) | 20  | 2m x 1m |  | * |
|                 |                      | 4   | 1m x 1m |  | * |

### MISCELLANEOUS:

|                  |              |     |  |  |   |
|------------------|--------------|-----|--|--|---|
| <b>Triple E:</b> | Track Length | Qty |  |  |   |
|                  | 2m           | 50  |  |  | * |
|                  | 1m           | 10  |  |  | * |
|                  | 0.5m         | 4   |  |  | * |

+ associated carriers, pulleys and hook clamps

### **Curved Aluminium Bar:**

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

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

### **Stage Weights:**

Approx. 30

### **Stage Braces:**

8

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