



TECHNICAL SPECIFICATION 2025

LET'S DREAM BIG

HACKNEY EMPIRE

Hackney Empire is a nationally renowned, Grade II* listed, Edwardian music hall. It now operates as a modern-day variety theatre and community centre, presenting an artistic programme that is at all times extraordinary, challenging and profound. For over a century Hackney Empire has platformed and championed variety in all its forms, be it artistically, culturally, politically or socially.

The theatre was fully restored in 2003 and is referred to as "a jewel in the crown of London's historic East End" and "one of the most beautiful theatres in the country". The auditorium can accommodate upwards of 1,200 seated audience members, and over 1,600 standing, making it one of the Capital's largest and most significant theatrical venues outside of the West End.

Here at Hackney Empire, we believe that everybody should have the opportunity to both create and experience the singularly transformative power of arts & culture, and we do everything we can to create and support access for all.

More information about Hackney Empire can be found at <http://www.hackneyempire.co.uk/>

Hackney Empire

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TECHNICAL INFORMATION

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Equipment: Hackney Empire features a permanent LED lighting rig, a D+B point source sound system, a counterweight flying system, scenic dock, fly-floor and grid.

Please note however that all equipment is subject to availability.

Stage Access: The Hackney Empire main stage is accessible via the Stage Door, where Sylvester Path meets Wilton Way (E8 1EN).

<https://goo.gl/maps/MTugj1dvHZJrRMAK6>

Load-In Access: Located at the rear of the theatre on Wilton Way. The load in bay will accommodate: 1 x Artic and 1 x LWB Van.

Parking: Parking dispensations for articulated lorries and vans should be obtained directly via [Hackney Council](https://hackney.gov.uk/dispensations).

<https://hackney.gov.uk/dispensations>

Deliveries: Access for deliveries can be made either via the Stage Door or the scenic dock.

Vehicles with outside of dispensation or without correct permits must be moved once delivery/drop off has been completed.

Plans: Stage plan, Stage Section and Stage Elevation.



CAPACITY & DIMENSIONS

Capacity:
1,268 seated
1,631 standing (with pit barrier)

Dimensions of Main Theatre:
Stage: 214m² (18m x 11.7m) Height:
20m (to underside of grid)
Proscenium: 10.3m x 8.75m
Auditorium: 24m x 23m x 17m

STAGE

The stage floor surface is oil tempered hardboard on 25mm ply, painted with black matt emulsion.
Any damage or repainting will be charged for accordingly. If a freshly painted stage is required, charges may apply.

Stage rake - 1 in 36 (see plan)

Stage designed for load of 7.5kn per sqm

Harlequin vinyl dance floor (subject to availability)

Measurements:

Proscenium opening: Width 10.26m

Height 8.8m (max)

Height adjustable with masking

Width: SR downstage

9.1m (from centre line) Upstage

8.65m

SL downstage 8.45m

SL upstage 8.15m (to counterweight frame)

Stage depth: 11.7m (fire curtain to back wall)

Height:

Under-side of grid: 20m

Under-side of fly 8.1m

gallery: upstage 9m

downstage

Upstage scene dock: 6.5m (w) x 6m d)

(stage left) 5.2m (opening from c/w frame)

Under Stage:

Trap area 4.8m wide x 2.4 front to back (four removable modules, all 1.2m x 2.4m)

Scene dock: Height 8.1m (not raked)

(short half rake between it and the stage)

Get in:

(stage right)

Inner door to lobby - 3m (w) x 6m (h)
outer door to street - 3m (w) x 4.7m (h) (5.5m diagonal)

Flat access to street

MASKING:

Rigged House

Masking:

10 x	Black serge legs - 3m x 9m
6 x	Black serge borders - 3m x 14m
1 x	Full black (pleated)
1 x	White cyc

Downstage Masking (permanent):

Bar 2	Header - 12m x 4m deep
Bar 3	Tormentors - 9m x 2m deep

Machinery:

- 56 single purchase counterweight sets (not inc. 3 x house tabs, header and side masking)
- Each set = 500kg loading at 200 centres
- Counterweight bar length = 11.4m + 1m extensions
- 3 bar hoists over forestage 500kg motorised
- 2 x c/w up/down stage (1SL / 1SR) bar 500kg and 1 x up/down wire winches.
- Tracked chain hoist (for assembly purposes), running under SR fly gallery

The over grid steelwork includes moveable tracked beams for chain hoist rigging anywhere over the stage.

Access Equipment:

1 x medium and 1 x-large Insulated A-frame ladder
1 x 12 rung Zarges
1 x 7.5m Tallescope



Power/Dimmers:

Available house 3 phase power

	1 x 125 amp 3 phase mid stage right
limited to:	1 x 63 amp 3 phase upstage left
	1 x 63 amp 3 phase downstage right at grid level

*Please note this is the **maximum** number of mains that can be allotted to incoming productions.*

LIGHTING

Lighting Control:

ETC Gio Control Desk
ETC Sensor 3 Dimming
2 x Universe 5 pin DMX (FOH to stage)
Ethernet to 5 pin DMX (FOH to flies)

300 channels @ 2.5k
40 channels @ 5k
All lamp ends & IWB circuits 16 amp Cee Form or
Soccapex Stock gobos, holders, iris's and colour
125 & 63 amp 3 phase Cee Form stage breakouts
stage right

Lanterns (house stock):

<u>Type</u>	<u>Quantity</u>
ETC Desire Fresnels LED	24
ETC Coloursource Pars LED	20
ETC Coloursource Linear Floods	6
ETC High End Systems Solapix 7's	6
ETC S4 25°-50° Zoom Profiles	10
ETC S4 15°-30° Zoom Profiles	10
ETC S4 36°	8
ETC S4 26°	6
ETC S4 19°	8
ETC Source 4wrd 10° LED (Front of House)	10
ETC Source 4wrd 19° LED (Front of House)	8
Robert Juliat Victor 1800MSR Spots	2
2K Fresnels	6

House Lights: House light controls from LX Desk and Prompt Desk via Paradigm Touch Screen

Colour and Consumables: Visiting companies are expected to provide their own colour, black wrap, and stage consumables. *Any consumables provided by Hackney Empire will be recharged accordingly.*

Footnotes to Lighting:

Should you significantly change the standing setup or require a pre-rig or a total re-rig, charges at the prevailing rates will be incurred (including any necessary hires to be recharged)

*A Hackney Empire electrician/technician is required **at all times** whilst the LX system is in use, to be recharged at the prevailing rate*

If Hackney Empire follow-spots are to be used by external operators, an additional technician will be recharged

SOUND

FOH PA:

Proscenium L / R: 3 x D+B Vi7p
Centre Cluster: 2x D+B Vi10p
Slips and Gallery Fills: D+B E3

Sound Desk:

DigiCo Quantum 338 Digital Mixing Console
128 Input Channels
64 Aux / Sub-Group Busses
LR/LCR/LCRS/5.1 Master Buss
24 x 24 Full Processing Matrix
286 Dynamic Equalizers
48/96 kHz Sample Rate

Connection:

All patching from stage to FOH via:
DiGiCo SD-Rack 192khz (unloaded) OptCON Optics
7x 8ch 32bit analogue mic & line input card
7x 8ch 32bit analogue line output card.

DiGiCo SD-MINI Rack 192khz (unloaded)
3x 8ch 32bit analogue mic & line input card
1x 8ch 32bit analogue line output card

Amplification:

D+B D80 (FOH LRC + Sub)
EPAC, Passive Wedges & Delays

Speakers:

2 x EV SX300 Stage monitors
2 x 12" powered monitors
2 x W Audio passive monitors

Sub bass: 4 x D+B V-Sub

Playback: Via computer (WAV, MP3 & Spotify)

Microphones:

Stock microphones, stands and cables (as available)
Shure SM 58 and AKG 300 series microphones

Power:

Three Phase / Single Phase 63 amp Cee-Form USL
13 amp local sound power FOH

Comms:

Canford talkback wired system
(installed to SR and SL, Flys, Sound, LX and followspots)

Footnotes to Sound:

*A Hackney Empire technician is required **at all times** whilst the sound desk and/or system is in use, to be recharged at the prevailing rate*

Any and all radio equipment will be hired and licenced at the visiting managers cost



BACKSTAGE ACCOMMODATION

Under-Stage:

Orchestra pit max 35 musicians in small configuration
Orchestra pit max 60 musicians in large configuration
(large configuration requires the striking of rows A, B & C in the stalls seating area)
Local mixed gender WC

Ground Floor (stage level)

Stage Door and Stage Door Office
Stage (see plan)
Up stage left scene dock; 40²m (full height to under fly gallery)
Small prop store/workshop at rear of scene dock (room height)

2 x dressing rooms (en-suite wc and shower, accommodating 3)
Mixed gender WC and Accessible WC

Access to all floors and basement via stairs and lift (door opening 1.00m wide)

1st Floor:

Green Room - 35²m, with attached kitchenette (Green Room can operate as a dressing room accommodating 10)
1 x dressing room accommodating 4 (en-suite shower)
1 x dressing room accommodating 10 (2 x en-suite showers)

The supply for kitchen ring mains is 32amp single phase, via 13amp sockets

2nd Floor:

1 x dressing room accommodating 4 (en-suite shower)
1 x dressing room accommodating 5 (en-suite shower)
1 x dressing room accommodating 7 (en-suite shower)
1 x dressing room accommodating 10 (en-suite showers)

3rd Floor:

1 x dressing room accommodating 4

Wardrobe room 24²m, with sliding door separating laundry room 12²m (domestic washing machine and dryer)

Accommodation in dressing rooms totals 58 - 68 comfortably