



**Performing Arts
Division –
Technical Support
Unit**

**Ngau Chi Wan
Civic Centre**

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GENERAL SET-UP

The Theatre operates on a 'bare-walls' policy. That is, all equipment is normally set-up and struck within the booking period. Hirers are reminded to allow sufficient preparation time to hang theatre masking, rig all overhead stage lighting and set up sound system. Check with our Technical Manager for any other equipment and technical enquiry.

Ngau Chi Wan Civic Centre – Theatre

FULL Technical Information

V. 2024.04.24

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The Ngau Chi Wan Civic Centre Theatre is a traditional proscenium theatre designed and fully equipped for staging Chinese Opera, Dance, Drama, Musicals and variety performances.

DIRECTIONS

MTR:

Kwun Tong Line,
Choi Hung Station, Exit B

Freeway:

Choi Hung Interchange →
Lung Cheung Road / Kwun
Tong Road / Clear Water
Bay Road / New Clear
Water Bay Road



LOADING

Loading Shutter at tail board height:
3.00 x 3.00m (W x H)

Hoist System with maximum loading
500kg

Passenger lift:

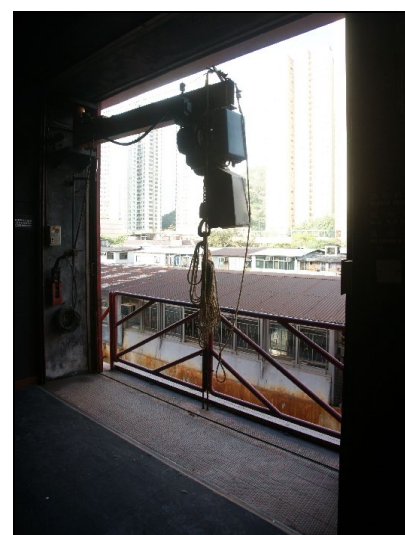
Door: 1.10 x 2.10 m (W x H)
Inside: 2.30 x 1.90 x 1.70 m (H x W x D)

STAGE ENTRANCE

From Building Foyer by Passenger lift.

PARKING

Nil





AUDITORIUM



Seating Capacity: 354

PROSCENIUM

Structural Opening

9.40 – 5.28m (W x H)

STAGE WIDTH

Main stage width

13.51m

Centerline to stage left wall

6.99m

Centerline to stage right wall

6.52m

STAGE DEPTH

Rear of Proscenium to rear-stage shutter

10.80m

Rear of Proscenium to Black Backcloth (Bar 35)

9.30m

Rear of Proscenium to Cyclorama (Bar 34)

9.20m

Rear of Proscenium to the edge of the trap door

3.70m

Rear of Proscenium to forestage apron on centre line

2.40m

STAGE HEIGHT

Clearance under fly floors

7.83m

Clearance under grid

12.70m

Maximum counterweight bar flying height

12.10m

Above Auditorium

1.00m

FORESTAGE / ORCHESTRA PIT

Not available

STAGE FLOOR

Flat black surface – 6mm hardboard

1 trapdoor at CS

2.07 x 1.08m (W x D)

Dip traps full depth of stage

SIDE STAGE

Opening SL

8.50 x 2.60m (D x H)

Opening SR

5.30 x 2.60m (D x H)

Side stage area SL

4.00 x 8.50m (W x D)

Side stage area SR

2.50 x 5.30m (W x D)

Lightweight suspension grid

2 self-sustaining fixed bar for side masking

9.90m (L), SWL 200kg

REAR STAGE

Nil



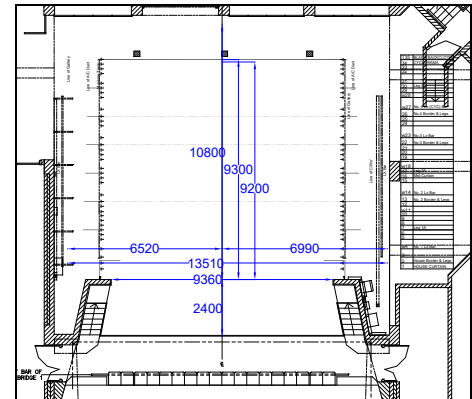
The fire shutter is treated as a safety curtain by FSD and cannot be obstructed by scenery, equipment or stage wagon in production.

STORAGE SPACE

Store area at side stage with limited space.

CROSSOVER

At rear of stage



RIGGING

House Curtain (Light Grey) fly in/out

Motorized

Rigging System

Double purchase counterweights

Winch sets (Bar no. 4, 11, 14, 18, 23, 27 & 28)

Fixed Track (Bar no. 35)

Side Legs

Bar diameter (generally)

Bars distance (generally)

Capacity (generally)

Bar length – 10.20 m with obstruction to side bars

Bar W1 carries the house curtain

Bar W27 carries the cyclorama lighting bar

Bar 34 carries cyclorama cloth

Bar 35 carries the black rear curtain

Side Bars

27

7 (For rigging lighting equipment only)

1

7 per side

48mm

0.20m

250kg SWL

1 per side

STAGE EQUIPMENT

Stage Drapery

| | | | | | |
|---------------|------------------|----|----------|---------------|--|
| Black masking | legs | 14 | flat | 1.50 x 6.25m | |
| | borders | 4 | flat | 10.20 x 2.50m | |
| | half tab | 2 | fullness | 6.00 x 6.00m | Fixed installation on Bar 16 (mid curtain) |
| | black curtain | 1 | flat | 11.2 x 7.15m | Fixed installation on Track T35 (rear curtain) |
| | side masking leg | 16 | flat | 1.50 x 7.22m | Side Masking |
| Cyclorama | | 1 | flat | 10 x 6.35m | Bar 34 (general rig) |

Orchestra Riser

Aluminum frame platform.

Chair rails and guard rails available.

No drilling or painting.

| | | |
|----------------------|----------|--------|
| 2.40 x 1.20m (W x L) | 203mm(H) | 6 Sets |
| | 407mm(H) | 6 Sets |

Wenger Trouper®

Choir Riser (3 steps) Wenger Tourmaster 5 Sets (For approx. 60 persons)

Acoustic Shell Wenger Travelmaster 1 Set (5 acoustic shells)

Musician Chair 60

High Stool 2

Music Stands 50



Dancing Flooring
for dance show only

Black/Grey reversible for main stage
(Please reserve time to lay the tiles during booking time)

Stage Carpet Green 1 (8.5X6.5m, for Cantonese Opera and Operatic Songs concerts only)

Instrument Concert Grand Piano 1 Kawai GS-100
Timpani 1 set 4 sizes (23", 26", 29", 32")
(extra charges incurred)
Chinese Timpani 1 set 18"

Lift and Ladder

Aerial lifts 1 *operated by competent person & prior approved by venue management only.*

DRESSING ROOM

Level 2 (Stage) 2 for 2 seats

Level 3 2 for 10 seats

All dressing rooms are fitted with private shower

Quick change facilities can be temporary arranged when required.

RUNNING WARDROBE

Not available.

Steamer, Irons & boards upon request from Resident Stage Management



LIGHTING

Dimmer 120 nos. of 3kW locating at 4/F

Control Board ETC GIO, with full backup control facilities, controllable of maximum 2048 circuits, located in Lighting Control Room at rear of Auditorium.

Houselight Dimmer controlled. Controlled independently or via lighting control board.

Circuit 120 x 3kW production lighting circuits, fixed wiring type, circuits are terminated to 15A socket outlets to UK standard respectively on the production lighting boxes, distributed at various locations throughout the Stage and lighting bridges.

Additional Power 1 set 63Amp 3-phase CEE form socket, located in Stage Right wall for temporary cable connection.

Connection must be conducted by a local registered electrical worker.

Hirer shall supply adequate circuit protective devices for all bring in electrical installation.

Front of House Position FOH Lighting Bridge no.1, 6.87m throw at 39.9 degree
FOH Lighting Bridge no.2, 9.17m throw at 36.4 degree (apron)

| | | | | | |
|----------------|------|-----|--|----|------------------|
| Profile | 750W | ETC | Source 4 15°-30° | 16 | FOH Bridge |
| | | ETC | Source Four LED Series 2 Lustr Profile 15°-30° | 12 | FOH Bridge |
| | 750W | ETC | Source 4 25°-50° | 32 | Stage |
| | 305W | ETC | Source Four LED Series 3 Lustr X8 Zoom 25°-50° | 24 | Sidelight towers |
| | | | | | |

| | | | | | |
|----------------|------|---------|--|----|------------|
| Fresnel | 167W | ETC | Source Four LED Series 2 Lustr Fresnel | 24 | Stage |
| | 1kW | Selecon | Compact | 2 | FOH Bridge |
| | 1kW | Selecon | Compact | 14 | Stage |



| | | | | | |
|-------------------------------|--|----------------|--|------------------|-------------------------------------|
| Cyclorama Light | 133W | ETC | ColorSource CYC | 5 | Top (Bar W27) |
| Ground Row | 133W | ETC | ColorSource CYC | 5 | Bottom (On Floor) |
| LED Automated Lighting | 270W | Highend | SolaFrame 750 | 4 | Fixed Installation at Lighting Slot |
| LED Follow Spot | 400W | Ushio | Sai-500 | 2 | Auditorium Bridge |
| Effects Projection | 2.5W | White Light | 325 LFX | 1 | Optical effect moving drive |
| Animation Projection | Effect Disc | DHA | Cloud Flame Rain Snow | 1 1 1 1 | |
| Smoke Generator | | Look Solutions | Viper NT | 2 | |
| Strobe Light | 3kW | Martin | Atomic 3000 | 2 | |
| UV Light | 120W | Wildfire | VioStorm VS-120 | 2 | |
| Other | Side light tower | | | 6 | |
| | Tower equipment setup: | 4(top) | ETC LED Series 3 Lustr X8 Zoom 25° -50° | | 1600mm* |
| | | 3 | ETC LED Series 3 Lustr X8 Zoom 25° -50° | | 1170mm* |
| | | 2 | ETC LED Series 3 Lustr X8 Zoom 25° -50° | | 740mm* |
| | | 1 (bottom) | ETC LED Series 3 Lustr X8 Zoom 25° -50° | | 340mm* |
| | * = Height the equipment from the centre of lens to the floor | | | | |
| | High Stand | | Doughty Shadow Combo Stand G203501 | 6 | |
| | Floor Stand | | Kupo 355 Universal Floor Stand | 12 | |
| | Music stand light (Cabled) | | | 20 | |
| Iris & Gobo Holder | <u>Iris</u> | <u>Holder</u> | <u>Holder</u> | <u>Gobo</u> | <u>Image</u> |
| Spotlight Applicable | <u>Qty.</u> | <u>Qty.</u> | <u>Type</u> | <u>Size</u> | <u>Size</u> |
| Source Four | 10 | 15/15 | A/B | 100/86mm | 68-75/65mm |

Supply of above equipment subject to availability on receipt of a lighting plan.

Equipment availability does vary slightly according to equipment conditions and maintenance. Check with Technical Manager for any updates.

Hirer will be provided with basic lighting only, from available hung equipment, if technical preparation time is less than 2 hours in the booking.

All brought-in “Electrical and Stage Lighting Equipment” to be used in LCSD PA venues, shall meet the requirements of “Code of Practice for Electricity (Wiring) Regulations”. Please contact the venue management for any electrical safety concern. Website reference:

https://www.emsd.gov.hk/en/electricity_safety/index.html



SOUND

| | | |
|----------------------------------|--|--|
| Sound System | L-Acoustics Sound System A10i Wide (Upper/Mid) & A10i Focus (Lower) X8 5XT X8 KS21i | 3 (Each side) 1 (Center Fill) 6 (Front Fill) 17 (Surround Speaker) 4 (Subwoofer) |
| Main Control Console | Soundcraft Vi 2000 mixing console with 32 Mono inputs, 1 Main stereo output, 8 AUXs, 8 Group outputs, 8 Matrix outputs | |
| Microphone tie line | Both side of the stage | 20 (total) |
| Microphone | Shure Beta 57A Shure Beta 58A Shure MX412 Neumann KM84 Neumann KM184 Sennheiser MKH816P48U-3 gun mic AKG C535 EB AKG C414 Crown PCC-160 DPA VO 4099 Lo DPA 2011C | 10 6 2 4 4 3 4 4 4 4 4 |
| Wireless Microphone | Shure ADX1M Bodypack transmitter (with Shure TL47 Lavalier) Shure ADX2 Handheld transmitter (with Beta87A Capsule) Max. 8 units with a minimum booking of 2 sessions (extra charge incurred) | 8 8 |
| Stage Monitor | L-Acoustics X12 | 8 |
| CD | Tascam SS-CDR250R Tascam SS-R250N | 4 2 |
| Accessories | BSS AR 133 Direct Box | 4 |
| DLP Projector | Panasonic PT-RZ21K | 1 |
| LED surtitle board system | <p>Horizontal LED Display Boards (extra charge incurred) Default font color : White Two (2) Horizontal display boards fixedly installed on the left and right sides of lighting slot.</p> <p>Display English, Chinese or English and Chinese texts simultaneously. Size of LED board : 150cm x 75 cm (WxH) The system will display in four lines per page. Each line for maximum 13 Chinese words or approximate 20 English alphabets, include punctuation mark.</p> <p>Surtitle input and stored in Microsoft® Word (*.docx) or text (*.txt) file format.</p> <p>The control computer was set inside control room at the back of auditorium. Display on ALL boards will be identical.</p> <p>LED board is set up within booking period when two sessions or more are booked. Setup time normally requires one hour.</p> | |



COMMUNICATION

Stage managers control panel at stage left
Cue light system (3pcs.)
One channel intercom system for stage, lighting and sound
Two channels intercom system (only for the rehearsal sessions)
Paging and show relay system
Close Circuit TV system
Production desk can be set at the middle of the stall upon request

**Prior to booking date, please confirm with Technical Manager for the availability of the equipment.
All required equipment will be set-up during the booking sessions; please allow adequate time for equipment set-up before performance or rehearsal**



POOLED LIGHTING EQUIPMENT LIST

For Production with a Lighting Designer

| | | | | |
|------------------|------|--------|--------------------|----|
| Par Light | 1kW | Strand | Par 64 CP60 | 18 |
| | 1kW | Strand | Par 64 CP61 | 18 |
| | 750W | ETC | Source Four Par | 12 |
| | 750W | ETC | EA | |
| | | | Source Four ParNel | 10 |

Equipment on this list allocated on a **first come first served** basis on presentation of a complete lighting plan.

Pool equipment cannot be reserved for any pending design.

Prior to booking date, please confirm with Technical Manager for the availability of the equipment.
All required equipment will be set-up during the booking sessions; please allow adequate time for equipment set-up before performance or rehearsal

POOLED SOUND EQUIPMENT LIST

For Production with a Sound Designer

| | | | |
|--------------------|-------------------------------|---|--------------------------|
| Console | Yamaha 02R | 1 | |
| Speaker | JBL EON Power 10 | 1 | |
| | YAMAHA MSP3 | 2 | |
| | L-Acoustics X8 | 2 | |
| Microphone | Shure SM58 | 3 | |
| CD Player | Tascam CD-450 | 2 | |
| LCD monitor | JVC LT-19A1 LCD TV | 1 | |
| | SWIT S-1093F (9" LCD Monitor) | 1 | |
| DVD | Panasonic DMR-EH59 | 1 | (extra charges incurred) |

Equipment on this list allocated on a **first come first served** basis on presentation of a complete production audio design.

Pool equipment cannot be reserved for any pending design.

Prior to booking date, please confirm with Technical Manager for the availability of the equipment.
All required equipment will be set-up during the booking sessions; please allow adequate time for equipment set-up before performance or rehearsal