



Performing Arts
Division –
Technical Support
Unit

Yuen Long Theatre
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GENERAL SET-UP

The Yuen Long Theatre operates on a 'bare-walls' touring policy. That is, all equipment is normally set-up and struck within the booking period. Hires 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.

Yuen Long Theatre – Auditorium

FULL Technical Information

V. 2023.08.31

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Yuen Long Theatre is a traditional proscenium theatre designed and fully equipped to stage major Opera, Dance and Musicals. It is also used for large-scale Drama, Chinese Opera and Variety performances.

DIRECTIONS

MTR:
Tuen Ma Line, Long Ping Station Exit B1, Interchange with MTR Bus K68

Freeway (From S to N):
Route No. 3 (towards Yuen Long, Sheung Shui direction) → Cheung Tsing Tunnel → Ting Kau Bridge → Tai Lam Tunnel → Yuen Long (Pok Oi Interchange) → Castle Peak Road (Yuen Long) → Yuen Long Tai Yuk Road (Yuen Long Police Station) → Yuen Long Theatre

Freeway (From East NT):
Tolo Harbour Highway (Route No. 9) → Fanling Highway → San Tin Highway → Tsing Long Highway → Yuen Long Highway → Exit 13 → Yuen Long (Pok Oi Interchange) → Castle Peak Road (Yuen Long) → Yuen Long Tai Yuk Road (Yuen Long Police Station) → Yuen Long Theatre



LOADING

Clearance of truck: 4.50m
Dock Height: 0.9m
Shutter Opening:
6.00 x 3.00m (W x H)
Door Opening to side stage:
13.00 x 10.00m (W x H)
Door Opening to rear stage:
17.00 x 10.00m(W x H)

STAGE ENTRNACE

From venue backstage entrance

PARKING

Permit required





AUDITORIUM



Total Seating: 923

Stalls: 734

Balcony: 189

Removable Seating

Small Orchestra Pit (seats loss): 35

Large Orchestra Pit (seat loss): 84

PROSCENIUM

Structural opening

14.70 x 9.24m (W x H)

Adjustable opening width (by tormentor)

9.00 - 12.00m (W x H)

Adjustable opening height (by teaser)

6.00 - 8.20m (W x H)

STAGE WIDTH

Centreline to stage right counterweight frame

12.83m

Centreline to stage left shutter

15.10m

Between fly floors

23.20m

Centreline to stage right fly floors

11.60m

Centreline to stage left fly floors

11.60m

STAGE DEPTH

Rear of Proscenium to rear-stage shutter

14.70m

Rear of Proscenium to stage edge on centreline

0.86m

Rear of Proscenium to orchestra elevator 1 edge on centreline

2.70m

Forestage elevator radius

14.75m

Rear of Proscenium to orchestra elevator 2 edge on centreline

5.90m

Orchestra elevator radius

17.00m

STAGE HEIGHT

Clearance under fly floors

10.00m

Clearance under grid

22.70m

Maximum counterweight bar flying height

21.00m

Maximum motor bar flying height

20.00m

Above Auditorium

0.91m

FORESTAGE / ORCHESTRA PIT

Small orchestra (with a loss of 35 seats)

60m² (gross)

- could be raised up to stage level as forestage

Large orchestra (with a loss of 84 seats)

95m² (gross)

Depth on CL

3.70m max.

Pit setup provision with Conductor podium, musician chairs, cello chair, stools, music stands, violin platforms and music lights

STAGE FLOOR

Flat black surface hardboard

500kg/m² SWL

Trapdoors on main stage area

12.00 x 6.00m (W x D)

Footlight trough at DS

Continuous run Dip Traps each on SL and SR

SIDE STAGE

Opening

13.00 x 10.00m (W x H)



Width 18.30m max. to 15.10m min.
 Depth 14.30m
 Lightweight suspension grid
 4 self-sustaining winch bar
 Side stage area SR (with acoustic shell stored at USR) 12.00m long, 500kg SWL

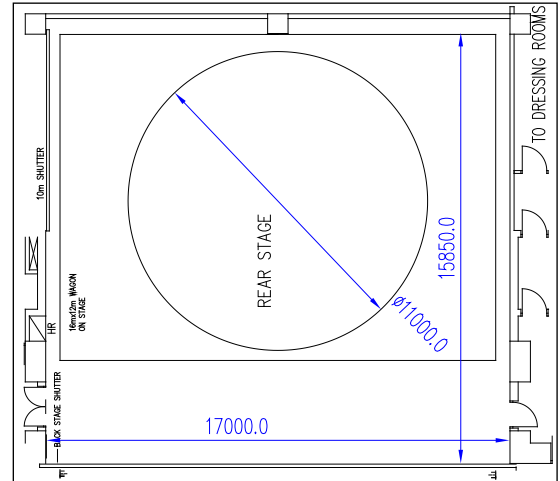
The side stage fire shutter is treated as a safety curtain by FSD and cannot be obstructed by scenery, equipment or stage wagon in production.

REAR STAGE

Opening 17.00 x 10.00m (W x H)
 Width 17.00m
 Depth 15.85m min.
 Rear stage wagon 16.00 x 12.00m (W x D)
 Installed revolve centered on wagon 11.00m (Dia)
 Dynamic Capacity 10.00 Ton SWL
 -Variable speed
 Build in Harliquin Sprung floor

No painting or nailing on Wagon

Capacity Front 15 Ton SWL
 Rear 15 Ton SWL
 4 set computerized electric winch 16.00m long, 500kg SWL bars-
 TAIT Navigator Automation
 Platform(with EpiQ console)



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

STORAGE SPACE

Side & rear stage: 50.00m² x 10.00m (H)

CROSSOVER

Rear of stage, Sub-stage level, 3/F flys galleries

RIGGING

House Curtain (Red, Fly/Draw)
 Variable speed electric

Rigging System

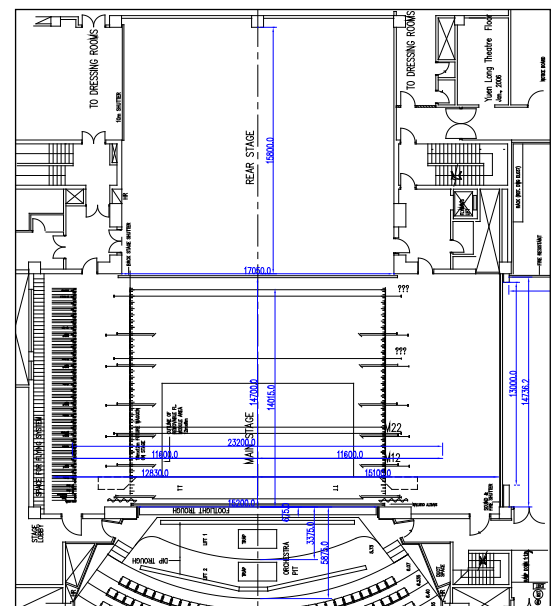
Single purchase counterweights 65
 (Include teaser and tormentor)
 TAIT Navigator Automation Platform (with EpiQ console): Computerized flying bars 35
 (Include house curtain and acoustic panel)

Prior submission of fly cue plot will speed up the production process. Fly cues updating will required additional time for computer input.

The system is able to fly 15 bars simultaneously.

Bar diameter 48mm
 Bars distance (generally) 0.20m
 Capacity (generally) 650kg SWL
 Electric sets Capacity 1,000kg SWL

Bar length - 16.00m extending to 18.40m with obstruction to side bars.





Electric Bar 4M carries Acoustic panel
 Manual Bar 32 carries Mid-curtain
 Electric Bar 67M carries the BP cyclorama 1
 Electric Bar 84M carries the Cyclorama lighting bar
 Electric Bar 97M carries the BP cyclorama 2
 Electric Bar 100M carries the Black backdrop
 Electric Bar 101M and 102M carry Side lx ladders

Side Bar

Single purchase counterweights 4 (2 on each side)
 Capacity 650kg SWL
 Variable speed electrical bar 2 (1 on each side)
 Capacity 1000kg SWL

Grid Floor Capacity 500kg/m² SWL

STAGE EQUIPMENT

Stage Drapery

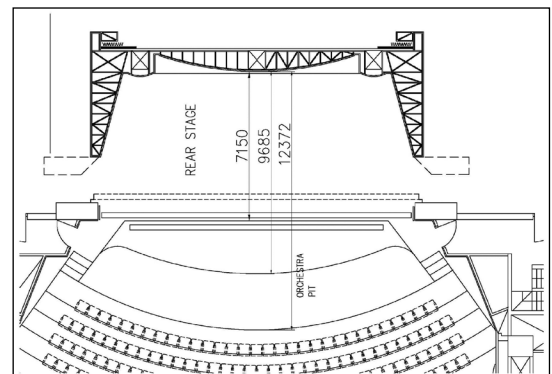
Black masking	Legs	12	flat	4.40 x 10.00m	(W x H)
		8	flat	2.30 x 10.00m	
	Borders	4		19.50 x 3.60m	
		6		20.00 x 5.00m	
	Half tabs	2		10.00 x 10.00m	
	Black backdrops	2		20.00 x 10.00m	
				17.50 x 10.50m	

Rear projection screen 15.00 x 9.00m
 Projection screen 18.00 x 9.00m
 Black gauze 18.00 x 9.00m
 White gauze 17.00 x 10.00m

CONCERT LAYOUT (with ACOUSTIC SHELL)

Full Acoustic Shell for concerts-stores in own up-stage right store or side according to venue schedule

Small Enclosure for 50 musicians 7.15m (D)
 Medium Enclosure for 70 musicians 9.69m (D)
 (w/ small forestage)
 Large Enclosure for 100 musicians 12.37m (D)
 (w/ big forestage)



Orchestra Riser 2.4 x 1.2m (W x L) 203mm(H) x 8
 Wenger Trouper 407mm(H) x 8
 Aluminum frame platform. 610mm(H) x 8
 No drilling or painting. 810mm(H) x 8

Choir Riser (3 or 4 steps) Wenger Tourmaster: (4th step with railing)
 7 sets – accommodate 100-140 persons

Dancing Tile Black /grey reversible for main stage
for dance show only (Please allow time to lay the tiles during booking time)

Dance Practicing Bar 4 3.05m

Harlequin Sprung Floor Build in at stage wagon 16.00 x 12.00m (W x D)
for dance show only



Stage Carpet	Red	2	15.00 x 5.90m
<i>for Chinese Opera only</i>	Green	2	17.00 x 5.90m
Instrument	Concert Grand Piano	2	Steinway & son (9ft) (incur extra charge)
	Baby Grand Piano	1	Yamaha
	Chinese drum	1	28"
	Timpani	1 set	Ludwig 23", 26", 29", & 32" (incur extra charge)
Conductor Podium		1	
Conductor Stand		1	
Musician Chair		120	
Music Stand		65	
High Stool		10	
Ceremonial Chair		30	
Podium		2 (Black / Transparent)	
Portable Hanger		15	
Metal Table		3	1.80 x 0.70 x 0.77-1.11m (W x L x H)
Table		15	1.50 x 0.60 x 0.73m (W x L x H)
Table Cover		10	Magenta
Lift and Ladder			
Cougar lift BilJax XLT - 2900			<i>operated by competent person & prior approved by venue management only</i>
Brace & weight			Available as requested

DRESSING ROOM

- Stage level **No. 1:** –1 person
- No. 2:** – 5 persons
- No. 3:** – 5 persons
- No. 4:** – 1 Person
- No. 5:** – 20 Persons
- No. 6:** – 21 Persons
- Green Room
- Sub stage level **No. 7:** – 25 Persons
- No. 8:** – 25 Persons
- No. 9:** – 1 Person
- No. 10:** – 1 Person

10 dressing rooms fitted with private toilet(s) and shower.
Quick change facilities downstage right and left.



RUNNING WARDROBE

Running wardrobe at stage level – 1 washing machine, 1 dryer, 1 electric sewing machine, irons & boards and steamers.



LIGHTING

Dimmer	Strand LD 90. Locating at level 3 stage left.				
Control Board	ETC Gio, with full backup control facilities, EOS Family OS operating software, located in Lighting Control Room at the back of auditorium.				
Houselight	Dimmer controlled.				
Circuit	10 x 10kW to 63A CEE 17 s/o or 2 x 32A CEE 17 s/o 136 x 5kW to 32A CEE 17 s/o or 2 x 15A 3-pin ample s/o 192 x 2.5kW to twin 15A 3-pin ample s/o				
Additional Power	400A/3 phase and 100A/3 phase (including 100A/3 phase & 32A/3 phase socket), located in DS left side wall with 400A clamping busbar 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. 13A wall-mounted socket outlets at UK standard are provided on the stage.				
Front of House Position	FOH Lighting Bridge no.1, 20.22m throw at 30 degree FOH Lighting Bridge no.2, 24.80m throw at 37 degree FOH Lighting Bridge no.3, 29.97m throw at 48 degree				
Profile	750W	ETC	Source 4 10°	20	FOH
	750W	ETC	Source 4 15/30°	80	46 on FOH 34 at pool
	750W	ETC	Source 4 25/50°	24	Stage
	330W	Fine Arts	L420	6	2 at Circle Front 4 on Stage
	1.2kW	Strand	SL 15/32°	50	Side light towers
Fresnel	2kW	Strand	Cadenza F	58	Stage
	2kW	Selecon	Arena	20	Stage
	1.2kW	Strand	Cantata F	10	Pool
Beamlight	RGBA 100W	Altman	Par LED	23	20 on stage 3 at pool
	1kW	Thomas	PAR 64, CP61	100	72 on side ladder 12 on stage 16 at pool
	1kW	Thomas	PAR 64, CP60	20	Pool (lamp only)
	1kW	Thomas	PAR 64, CP62	20	Pool (lamp only)
	1kW	Strand	BEAMLITE	6	
LED Automated Lighting		High End Systems	SolaFrame 1000	8	O/H (Lx bar 10M, 25M, 40M, 55M)
		High End Systems	SolaFrame 1000	8	Pool #
		<i>#LED Automated Lighting requires time for rigging and address setting. It will be provided only for productions with 6 sessions or more. Hires shall supply their programmer for the equipment's operation</i>			
		Fine Art	Fine 420L	6	Auditorium Balcony
Cyclorama light Ground Row	RGBA 200W	Altman	Spectra CYC 200	6	Top (Bar54)
	RGBA 200W	Altman	Spectra CYC 200	6	on Stage
Follow Spot	2.5kW	Robert Juliet	Aramis	2	Followspot room



Effects Projection	2kW	White Light	VSMX	4	Top (Bar 54)
	Effect		Fleecy Clouds	2	Top (Bar 54)
			Storm clouds	2	Pool
			Rain	2	Pool
			Snow	2	Pool
			Flame	2	Pool
			Running water	2	Pool
Animation Projection	750W	Source 4	Animation Motor	6*	
	Effect	Disc	Water	2	
			Flame	2	
			Snow	2	
Gobo Rotator	Effect	Source 4	Gobo Rotator Motor	6*	
	* = Animation Disc and Gobo Rotator with 3 power supply (share use)				
Smoke generator		Look Solution	Viper NT (DMX controllable)	2	
Fog generator		DF-50	Hazer	2	
Strobe Light	1.5kW	TAS	SAETA 1500	2 (Pool)	
	3kW	Martin	Atomic 3000	2 (Stage)	
				2 (Pool)	
UV light	400W	Woodlite	GR 0102	4 (Stage)	
	400W	Wildfire	DMX controllable	2 (Stage)	
Colour Scroller	Strand	Colour Call	15	Pool	
	MacroStar	Colour change	15	10 at FOH 5 at Pool	
Other	Side light tower		As required from pool stock	10	
8	Tower equipment setup:	5 (top)	Empty		Empty
		4	600W Strand SL 15/32°		1875mm*
		3	600W Strand SL 15/32°		1440mm*
		2	600W Strand SL 15/32°		1010mm*
		1 (bottom)	600W Strand SL 15/32°		580mm*
2	Tower equipment setup:	5 (top)	Empty		Empty
		4	600W Strand SL 15/32°		2010mm*
		3	600W Strand SL 15/32°		1580mm*
		2	600W Strand SL 15/32°		1015mm*
		1 (bottom)	600W Strand SL 15/32°		710mm*
	* = Height the equipment from the centre of lens to the floor				
	Side light ladder		Hung on Bar M93 & M94		10
	Stands		As required from pool stock		10
	Music light – 12W				50
	Music light - LED				80
Iris & Gobo Holder					
Spotlight Applicable		<u>Holder Qty.</u>	<u>Holder Type</u>	<u>Gobo Size</u>	<u>Image Size</u>
	Source 4 Profile	25	A	100mm	68-75mm
	Source 4 Profile	25	B	86mm	65mm



SL Profile

25

B

86mm

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 (2009 Edition)”. Please contact the venue management for any electrical safety concern. Website reference:

http://www.emsd.gov.hk/emsd/eng/welcome/em_safety.shtml



SOUND		
Sound System	Immersive Sound System (d&b Soundscape)	
	d&b ALi60 + ALi90 (5 Line-Array)	10+10
	d&b Qi1 / d&b B2-Sub subwoofer (Each side of proscenium front)	2 / 1 (on each)
	d&b 8S (Rear stalls area)	1 (on each)
	d&b 44S / 5S (Front Fill)	7 / 9
	d&b E12-D (Effect Speaker)	16
	d&b DS100 Digital Sound Engine	1 set
Main Control Console	DIGICO Quantum 338 Digital Mixing Console:	
	Mono inputs	64
	Mono outputs	32
	Matrix	12
Microphone tie line	Stage left flys gallery	11
	Each side of stage	40
	Stage Front	24
	Orchestra Pit	12
	Cat-walk	11
	Center and each side of the aud.	6
	Balcony	8
Accessory Electronic (Pre-aligned, not loose equipment)	Klark Teknik DN360 Graphic Equalizer	3
	Klark Teknik DN7103 Programmable Delay Line	2
	Yamaha SPX 990 Digital Effect Processor	1
Microphone	Shure SM-57	6
	Shure BETA-58A	6
	Shure SM 58	4
	Shure BETA-87A	6
	Shure SM-58s on/off	2
	Shure MX 418/C	2
	AKG D112	1
	AKG C414ULS	6
	AKG CK98	4
	AKG CK91	6
	DPA 2011C	3
	DPA 4099	4
	DPA FA4018	6
	Sennheiser MD421-II	5
	Neumann KM184	4
	Neumann KM185	4
	Crown PCC 160	6
Wireless Microphone	Shure Axient Digital ADX2 Wireless digital hand-held type	10
	Shure Axient Digital ADX1 Wireless digital body-pack type	10
	Max. 6 units with a minimum booking of 1 session (Incur extra charge)	
Stage Monitor	Montarbo M1A	2
	L-Acoustic 108P	6
	L-Acoustic 112P	6
CD	Tascam CD-RW901 MKII CD Player	2
CD / CF	Tascam SS-CDR1 recorder	2
Solid state CD Recorder	Tascam SS-CDR200 recorder	2
	Tascam SS-CDR250N recorder	2
DVD / HDD	Pioneer DVR-660H recorder	2
Blu-ray	Sony BDP-S70 player	1



Blu-ray Disc & HDD recorder	JVC SR-HD2700E	1
DLP Projector	Panasonic PT-DW17K2 (17,000 ANSI lumens, incur extra charge)	1
LED Surtitle Display Board	LED sub-title system: 2 vertical and 1 horizontal display units control from broadcasting room (incur extra charge)	

COMMUNICATION

Stage manager control panel at stage left		
Dual channel intercom system	Wired	8 sets
	Wireless	8 sets
Cue light system		
Front of house / back stage paging, show relay and announcement system		
Close Circuit TV systems for stage and Orchestra pit		
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**