



Performing Arts
Division –
Technical Support
Unit

Tuen Mun Town Hall

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GENERAL SET-UP

The Auditorium operates on a 'bare-walls' touring 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.

Tuen Mun Town Hall – Auditorium

FULL Technical Information

V. 2023.10.18

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Tuen Mun Town Hall Auditorium 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, Tuen Mun Station, Exit B / F → Light Rail 505, 507, 751 / 506

Freeway (From South):
Route 3 (Toward Yuen Long, Sheung Shui direction) → Cheung Tsing Tunnel → Ting Kau Bridge → Tuen Mun Road → Tuen Hi Road

Freeway (From East NT):
Tolo Harbour Highway (Route 9) → Fanling Highway → Sha Tin Highway → Tsing Long Highway → Yuen Long Highway → Tuen Mum Road → Pui To Road → Tuen Mum Heung Sze Wui Road → Tuen Hing Road → Tuen Hi Road

Freeway (From North):
Castle Peak Road (Yuen Long) → Long Tin Road → Yuen Long Highway → Tuen Mum Road → Pui To Road → Tuen Mum Heung Sze Wui Road → Tuen Hing Road → Tuen Hi Road



LOADING

Dock Height: 0.75m
Roller shutter at tail-board height:
3.00 x 2.95m (W x H)
Cargo Lift
3.50 x 7.60 x 3.00m (W x D x H)

STAGE ENTRANCE

Access into the side stage via
Cargo Lift

PARKING

Permit required





AUDITORIUM



Total Seating: 1,368

Stalls: 1,028

Stall: 589

Upper Stall: 439

Balcony: 340

Removable Seating

Pit (seats): 73

73 seats will be lost from Stall Level Row A & Row B for setting orchestra pit.

PROSCENIUM

Structural opening

Adjustable proscenium opening by Header and Legs

18.85 x 9.50m (W x H)

12.00 x 6.00m (W x H) (min.)

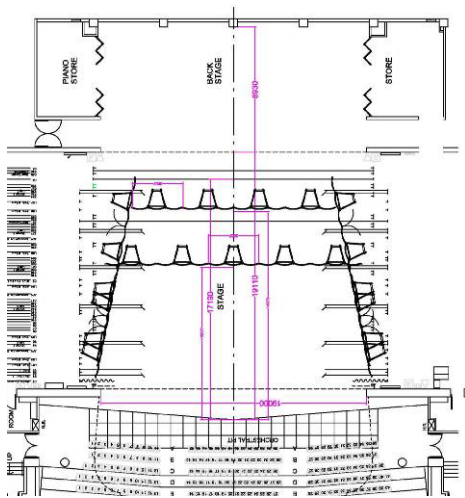
CONCERT MODE (SOUND CANOPY LAYOUT)

Medium Enclosure for 70 musicians

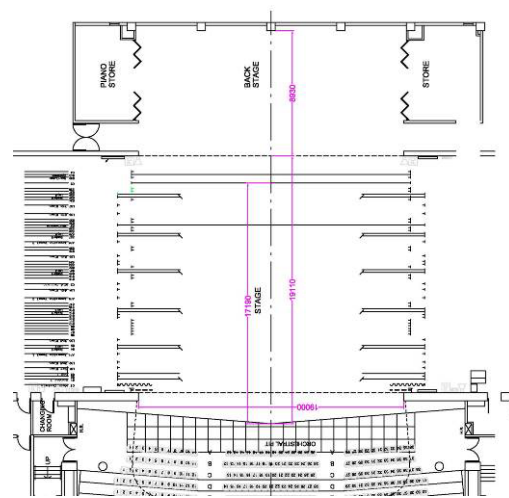
Large Enclosure for 120 musicians

151.77m²

202.27m²



Concert Mode



Theatre Mode

STAGE WIDTH

Centreline to stage right under gallery

11.50m

Centreline to stage left under gallery

11.50m

Between fly floors

23.00m

Centreline to stage right side stage wall

34.70m

Centreline to stage left side stage wall

34.70m

STAGE DEPTH

Rear of Proscenium to rear-stage

16.90m

Rear of Proscenium to upstage limit of grid

16.90m

Rear of Proscenium to cyclorama (S31, S40)

11.98m, 15.58m

Rear of Proscenium to stage edge on centreline

2.21m

Rear of Proscenium to stage edge on quarter line

1.84m

Rear of Proscenium to orchestra pit edge on centreline

4.23m



STAGE HEIGHT

Clearance under fly floors	9.18m
Clearance under grid	24.88m
Maximum counterweight bar flying height	23.56m
Above Auditorium	0.72m
Concert Performance Height (from canopy)	8.80 m

FORESTAGE / ORCHESTRA PIT

Orchestra pit area (with a loss of 73 seats)	91.50m ² (gross)
Height	2.46m (max.)
Width	20.56m (max.)
Depth	4.86m (max.)
Pit setup provision with chairs, stools, music stands, and music lights	

STAGE FLOOR

Flat surface Danish Oak (No drilling or painting)	600kg/m ² SWL
Footlight trough at downstage	

SIDE STAGE

Opening	16.90 x 9.18m (W x H)
Width	18.90 – 20.80m
Depth	16.90m

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

REAR STAGE

Opening	19.00 x 3.84m (W x H)
Depth	8.98m
Height	3.82m

STORAGE SPACE

200m² store area with 9.18m (H) clearance between side stage
80m² store area with 3.82m (H) clearance in rear stage

CROSSOVER

Rear stage, and Mezzanine floor (M/F)

RIGGING

House Curtain (Burgundy) motor fly or draw
Capacity Variable speed electric
1000kg SWL

Mid Curtain motor fly or draw
Capacity Variable speed electric
1000kg SWL

Stage Lighting Bar (Fixed speed electric)
Capacity 7
500kg SWL

Rigging System

Double purchase counterweights	42
Bar diameter	48mm
Bars distance	0.20m

See lineset schedule for location and availability

Bar length	
S1 to S5	22.00m
S6 to S40	20.00 or 22.00m
C3 & C4	20.00 or 22.00m

- S1 carries the Red Border
- S3 carries the Red Legs
- S39 carries the Rear Black Curtain
- S31 and S40 carry the Projection Screen



Capacity				500kg SWL	
Pinrail	None				
Side Bars	None				
Point Hoists	None				
Rear stage chain hoist & truss system	None				
Grid floor capacity				250kg/m ²	
STAGE EQUIPMENT					
Stage Drapery					
Black masking	leg	5 pairs	flat	6.80 x 12.00m	
	border	2	flat	22.00 x 7.00m	
		1	flat	22.00 x 5.00m	
		2	flat	22.00 x 4.00m	
	side masking	12	flat	2.40 x 8.95m	On fixed track
Black Mid curtain		1 pair	flat	11.00 x 12.00m (W x H)	On motor track
Black curtain		1 pair	flat	11.00 x 12.00m (W x H)	by 2 half tabs
Rear black curtain		1	flat	22.00 x 12.00m (W x H)	
Rear projection screen		1		18.00 x 11.00m (W x H)	
		1		19.50 x 11.00m (W x H)	
Orchestra Riser				Wenger Trouper®.	
Aluminum frame platform with carpet surface. No drilling or painting.					
2.4 x 1.2m (W x L)					
203mm(H) x 6					
407mm(H) x 6					
610mm(H) x 6					
Choir Riser (4 steps)	7		Wenger Signature®		
Dancing Tile	19.50 x 2.00m (W x L), 9 rolls				
<i>for dance show only</i>	Black for main stage				
	<i>(Please allow time to lay the tiles during booking time)</i>				
Dance Practicing Bar	5		3.05m x 1.14m (W x H)		
Stage Carpet	Red	2	15.00 x 5.00m (W x L)		
<i>for Chinese Opera only</i>	Green	2	16.00 x 5.50m (W x L)		
Instrument	Chinese drum	1			
	Timpani	1 set of 4 units	Ludwig 23", 26", 29", 32" (incur extra charge)		
	Concert Grand Piano	1	Steinway & sons (incur extra charge)		
	Concert Grand Piano	1	Kawai		
Conductor Podium	2				
Conductor Stand	1				
Musician Chair	95				
Music Stand	100				



High Stool	5	
Ceremony Red Chair	25	
Podium	1	
Costume Rack	9	
Table	10	1.38 x 0.76 x 0.76m (W x L x H)
Table Cover	10	Magenta
Lift		
Hydraulic lift (Upright UL-32)	1	<i>operated by competent person & prior approved by venue management only</i>
Brace & weight		<i>Available as requested</i>
Hand Pallet Truck track	1	2000kg SWL

DRESSING ROOM

Mezz level **Room A1:** accommodate 14-15 persons
Room A2, A5, A6, A8, A9, A12: each accommodate 1-2 persons
** fitted with private toilet and shower*
Room A3: each accommodate 6-8 persons
Room A4: each accommodate 8-10 persons
Room A7: each accommodate 15 persons
Room A10, A11: each accommodate 7 persons
Room A13: each accommodate 16 persons



Quick change rooms at downstage left and right

RUNNING WARDROBE

Washing machine, dryer, irons & boards and steamers available as requested.

LIGHTING

Dimmer	216 nos. of 3kW; ETC Sensor 3 dimmers.
Control Board	ETC Gio, with full backup control facilities, EOS Family OS operating software, located in Lighting Control Room at rear of Balcony.
Remote Control	ETC – wireless remote control
Houselight	Dimmer controlled.
Circuit	216 x 3kW production lighting circuits, fixed wiring type, all 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	220 Volt single phase or 380 Volt 3-Phase/4 wire, max. 100A/3 phase, located in upstage left Rear Wall c/w 100A Terminal Box for Temporary Cable Connection (include one of 100A/3 phase socket or one of 32A/3 phase socket).

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, 16.98m throw at 42 degree (downstage)					
	FOH Lighting Bridge no.1, 15.45m throw at 47 degree (apron)					
	FOH Lighting Bridge no.2, 19.59m throw at 35 degree (downstage)					
	FOH Lighting Bridge no.2, 17.89m throw at 39 degree (apron)					
Profile	1kW	Strand	Harmony 22/40	4	Pool	
		Strand	Harmony 15/28	29	Pool	
	750W	ETC	Source 4 15/30	44	38 FOH, 6 Pool	
		ETC	Source 4 25/50	76	3 FOH, 32 Side Lx Tower, 41 Pool	
		ETC	Source 4 LED series 3 Zoom 15/30	20	20 FOH	
Fresnel	2kW	Strand	Cadenza F	18	12 FOH, 8 Pool	
	2kW	Selecon	Arena	74	50 Stage, 24 Pool	
	1kW	Strand	Harmony F	8	8 Pool	
Beamlight	RGBA 100W	Altman	Par LED	30	24 Stage, 6 Pool	
	1kW	Thomas	PAR64, CP/61	72	8 Stage, 64 Pool	
	1kW		PAR64, CP/62	20	Pool, Lamp only	
LED Automated Lighting		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>					
Cyclorama light	RGBA200W	Altman	LED Wash	Cyclorama 14	Stage	
Ground Row	RGBA200W	Altman	LED Wash	Cyclorama 7	Stage	
Follow Spot	2.5kW	Robert Juliat	Aramis 1013+	2	Rear Auditorium	
Effects Projection	2kW	White Light	VSMX	4	Stage	
	Effects		Fleecy clouds	2		
			Storm clouds	2		
			Rain	2		
			Snow	2		
			Flames	2		
			Running Water	2		
Smoke generator		Look Solution	Viper NT (DMX controllable)	2		
Motor Fan		Martin	JEM AF-1 MKII (DMX controllable)	2		
Strobe Light		Martin	Atomic 3000 LED	2		
UV light		Wildfire	VioStorm 120 LED	4		
Other	Side light tower		4-tier, 2m(H)	8		
	Tower equipment setup:	5 (top)	Empty		Empty	
		4	750W ETC Source 4 25/50		1790mm	
		3	750W ETC Source 4 25/50		1390mm*	
		2	750W ETC Source 4 25/50		950mm*	
		1 (bottom)	750W ETC Source 4 25/50		530mm*	

* = Height of the equipment, measure from the centre of lens to the floor



Light stands 4
Music light 80

Iris & Gobo Holder	<u>Holder</u>	<u>Holder</u>	<u>Gobo</u>	<u>Image</u>
Spotlight Applicable	<u>Qty.</u>	<u>Type</u>	<u>Size</u>	<u>Size</u>
Source 4 15/30 & 25/50	20	A	100mm	68-75mm
Source 4 15/30 & 25/50	20	B	86mm	65mm
Strand Harmony 15/28 & 22/40	12	A	100mm	68-75mm

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 (2020 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	d&b Q1 / Q10 (main central cluster)	3 / 1
	d&b Q1 (main left & right cluster)	2 on each
	d&b Y12 / YSub (left & right proscenium)	2 / 2 on each
	d&b Q10 (delay loudspeaker for left & right box)	1 on each
	d&b E0 (front fill loudspeaker)	12

Main Control Console	Soundcraft Vi 3000 Digital Console	
	Mono inputs	48
	Mono output	32

Microphone tie line	Each side of the stage	15
	Stage front	9
	Orchestra Pit	11
	Balcony level	15
	Stalls level	15

Microphone	AKG 414	4
	Neumann KMS105	2
	Neumann KM 184	6
	Neumann KM 185	4
	Neumann KMR 82i	4
	Crown PCC 160	4
	Shure BETA 87A	5
	Shure BETA 91	1
	Shure BETA 98AD/CX	6
	Shure BETA 52	1
	Shure BETA 56	6
	Shure BETA 57A	8
	Shure BETA 58A	12
	Shure SM-58 SW	2
	Shure KSM 137	4
	Shure KSM 141	2
	DPA FA 4018	2
	Countryman ISOMax Earclip	8

Wireless Microphone	Sennheiser UHF SKM 5200 hand-held type	8
	Sennheiser UHF SK 5212 body-pack type	8

Max. 6 units with a minimum booking of 1 session (Incur extra charge)



Stage Monitor	MeyerSound UM-100P	4
	L Acoustic 112P	6
	L Acoustic 108P	2
Compact Disc Player	Tascam CD-6010	2
Solid State CD Recorder	Tascam SS-CDR-200	1
	Tascam SS-CDR250N	2
Additional Facility	Soundcraft Vi2000 Digital Console with 48 mono inputs and 32 outputs	
DLP Projector <i>(incur extra charge)</i>	Panasonic PT-DW17K2, 17,000 lumens (with ET-D75LE50 or ET-D75LE20 lens)	1
	Panasonic PT-RQ35K 32,000 lumens (with ET-D3LEU100 fix lens back projection)	1
LED Surtitle Display Board <i>(incur extra charge)</i>	Computerized Subtitle System (to be installed when requested) 2 x LED Subtitle horizontal display units located in front of Main Curtain at both side	
<u>COMMUNICATION</u>		
Stage manager control panel at stage left		
Two channels intercom system	Wired	8 Sets
	Wireless	8 Sets
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