



Performing Arts  
Division -  
Technical Support  
Unit

**Tsuen Wan Town Hall**  
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**GENERAL SET-UP**

*The Auditorium operates on a 'barewalls' 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 setup sound system. Check with our Resident Technical Manager for any other equipment and technical enquiry.*

***Tsuen Wan Town Hall - Auditorium***  
***FULL Technical Information***

V. 2023.5.23

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Tsuen Wan Town Hall Auditorium is a multi-purpose town hall designed and fully equipped to stage Drama, Dance, Chinese Opera, Variety, Seminar, Concert and Recital.

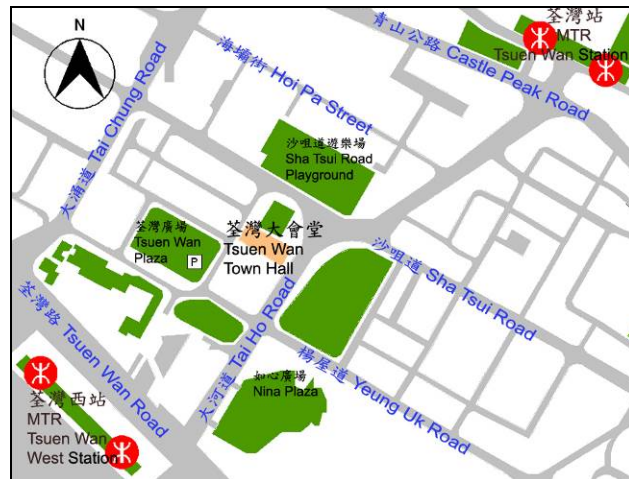
**DIRECTIONS**

**MTR:**  
Tsuen Wan Line - Tsuen Wan Station, Exit A1

Tuen Ma Line - Tsuen Wan West Station, Exit A2 or E2

**Driving Route - From S to N:**  
Route 3 via West Kowloon Highway > Route 5 exit 4B (Airport Express Station / Tsing Yi (N) / Tsuen Wan > Exit 11A (Tsuen Wan (E)) > Tsing Tsuen Road > Tsuen Kam Interchange 2<sup>nd</sup> exit > Tai Ho Road N > Sha Tsui Road > Yuen Tun Circuit

**Driving Route - From N to S:**  
Route 9 Exit 25 (Shek Kong / Tsing Yi / Kowloon) > Tsuen Kam Interchange 5<sup>th</sup> exit > Tai Ho Road N > Sha Tsui Road > Yuen Tun Circuit



**LOADING**

Dock Height: 0.8m  
Shutter Opening:  
2.3m x 2.8m (W x H)

Loading bay available for vehicle under 11m only.

**STAGE ENTRANCE**

Backstage entrance at Yuen Tun Circuit.

**PARKING**

Permit required





**AUDITORIUM**



**Total Seating: 1420**

Stalls: 1049 (including 10 wheelchair seats)  
 Balcony: 371

**Removable Seating**

Pit (seats): 67

67 seats will be lost from Stalls Level Row A & Row B for setting orchestra pit.

**CONCERT MODE (SOUND CANOPY LAYOUT)**

**PROSCENIUM**

Opening

18.90 x 9.04m (W x H)

**STAGE WIDTH**

From Centre line to SR and SL wall (down stage)

9.23m

From Centre line to SR and SL wall (up stage)

5.15m

Back wall width

10.29m

**STAGE DEPTH**

Forestage edge at centre to back wall

11.90m

Forestage edge at SL or SR to back wall

11.15m

Rear of Proscenium to back wall

9.22m

**STAGE HEIGHT**

Canopy proscenium opening

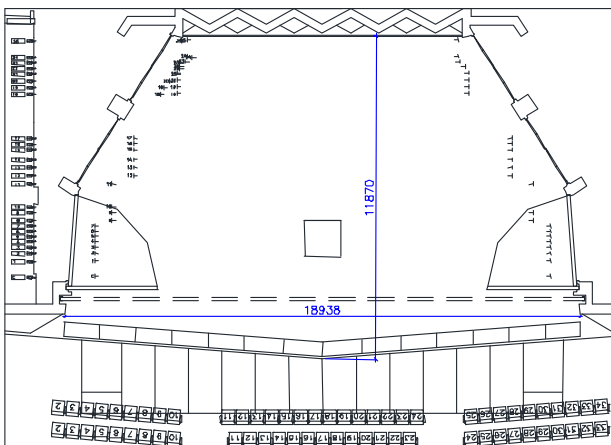
9.04m

Enclosed back wall

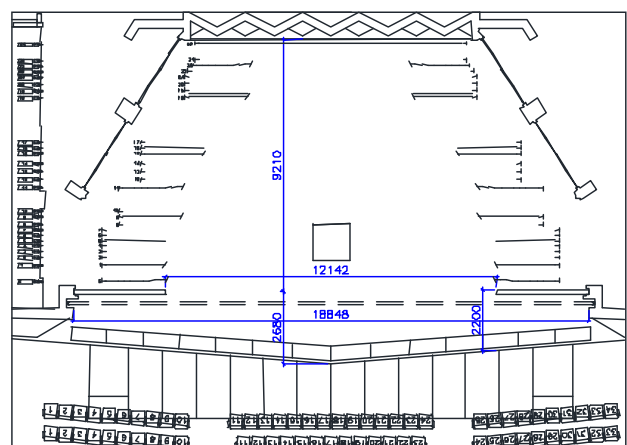
6.87m

Above auditorium

0.724m



Sound Canopy Layout



Proscenium Layout

**THEATRE MODE (PROSCENIUM LAYOUT)**

**PROSCENIUM**

Structural Opening

12.10 x 5.80 - 6.80m (W x H)

\* Adjustable proscenium opening with Teaser



**STAGE WIDTH**

From Centre line to SR counterweight frame	10.50m
From Centre line to SL wall	9.21m
Back wall width	10.29m

**STAGE DEPTH**

Proscenium panel to back wall	9.22m
Proscenium panel to Centre stage edge	2.68m
Forestage edge to back wall	11.90m

**STAGE HEIGHT**

From stage floor to under grid	17.10m
From stage floor to flying bars	16.13m
Above auditorium	0.724m

**ORCHESTRA PIT**

Pit area	17.65 x 3.52 x 1.98 (W x D x H) (approx. 62 m <sup>2</sup> )
Height to audience level	1.52m

*Removal of 67 seats from rows A and B are essential upon using the pit.*

*Pit setup provision with chairs, stools, music stands and music lights.*

**STAGE FLOOR**

Flat Danish Oak wooden floor surface, No painting or nailing	500kg/m <sup>2</sup> SWL
Trap - located at downstage centre	1.33 x 1.33 x 2.23m (W x D x H)

**SIDE STAGE**

Limited area

**REAR STAGE**

Not available

**STORAGE SPACE**

Limited area

**CROSSOVER**

Back of the stage corridor

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

**RIGGING (For Theatre mode only)**

<b>House Curtain (Red)</b> electric motor for travel or manual fly in-out	Variable speed
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**Flying System**

Single purchase counterweights flying bars	25
Bar Diameter (double bar)	48mm
Bar Distance	<i>Refer to hanging plot for location and distance</i>
Bar Length	17m to 10m, decreasing towards upstage

**Standard Provision**

Bar 2, 6, 13, 14, 19, 20	Lighting bars with 15A 3-pin sockets
Bar 12 & 23	Black mid-curtain & rear-curtain
Bar 25	Cyclorama
Bar 3, 4, 7, 8, 11, 17, 21, 22, 24	Available spare bars

Capacity	250kg SWL
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## **STAGE EQUIPMENT**

### **Stage Drapery**

Black Masking	Legs	3 pairs	Flat	3.50 x 8.50m	(W x H)
		1 pairs	Flat	2.50 x 8.50m	
	Border	2	Flat	17.00 x 3.50m	
		1	Flat	17.00 x 2.70m	
	Black Mid Curtain	1 pairs	Manual drive	8.00 x 8.70m	
	Black Rear Curtain	1 pairs	Manual drive	5.80 x 8.70m	
White Cyclorama		1	Flat	9.50 x 7.80m	
Black Gauze		1	Flat	14.30 x 8.00m	

### **Orchestral Riser**

Aluminum frame platform. (No painting or nailing)

2.4 x 1.2m (W x L)	6	200mm (H)
2.4 x 1.2m (W x L)	6	410mm (H)
2.4 x 1.2m (W x L)	6	610mm (H)

Wenger Trouper

**Choir Riser** (3 or 4 steps) 7 Wenger Tourmaster (for max. 90 people)  
(4<sup>th</sup> step with railing upon request)

**Musician Chair** 90

**Music Stand** 95

**Dance Floor (Black / Grey)** 6 Harlequin 18 x 2m (W x D)  
*for dance performance only*

*(Please allow sufficient time to set up during booking period)*

**Stage Carpet** Red 2 5.91 x 4.27m (W x D)  
*for Chinese Opera only* Green 2 5.91 x 4.27m (W x D)

**Music Instrument** Concert Grand Piano 1 Steinway & Sons (incur extra charge)  
Model D  
1 Yamaha CF  
Harp 1 Salvi Diana (incur extra charge)  
Timpani 1 set of 4 Yamaha (incur extra charge)

### **Lift**

Aerial lift 1 Genie AWP-30S DC, 10.80m (Max.)  
**Operated by competent person & prior approved by Stage Management Unit only**

Stage Weight Available upon request

## **DRESSING ROOM**

At Upper Ground floor (UG/F)

D1 & D6 each for 25 - 30 persons

D2- D5 each for 5 - 8 persons

All dressing rooms fitted with private toilet and shower.

Quick change facilities can be temporary arranged upon request.

Steamer can be loaned from the Stage Management Unit.





**LIGHTING**

<b>Dimmer</b>	ETC Sensor3 dimmer system. A total of 192 dimmers. 182 nos. of 3kW; 10 nos. of 5kW			
<b>Control Board</b>	ETC Gio, with full backup control facilities, controllable of maximum 4096 parameters, located in Lighting Control Room at rear of Balcony.			
<b>House Light</b>	Dimmable control in Lighting Control Room.			
<b>Circuit</b>	182 x 3kW and 10 x 5kW production lighting circuits, fixed wiring type, distributed at front of house, backstage & over stage. All channels are terminated to 15A socket outlets to British Standard.			
<b>Additional Power</b>	2 x 63A 3-phases, 1 x 100A 3-phases at side stage right for temporary use. <b>Connection must be conducted by a local registered electrical worker.</b> <b>Hirer shall supply adequate circuit protective devices for all bring in electrical installation.</b> <b>13A wall-mounted socket outlets at UK standard are provided on the stage.</b>			
<b>FOH Position</b>	Lighting Bridge 1, 17.8m throw at 37 degree Lighting Bridge 2, 21.17m throw at 31 degree Lighting Bridge 3, 28.65m throw at 24 degree			
<b>Profile</b>	305W	ETC	Source 4 LED Series 3 Lustr 15/30°	50 Lx bridges and side slots
	750W	ETC	Source 4 15/30°	18
	750W	ETC	Source 4 25/50	32 Side Lx Tower
<b>Fresnel</b>	2kW	Robert Juliat	329 HF	34 O/H Lx bar
	1kW	Robert Juliat	310 HF	30 O/H Lx bar
<b>LED Automated Lighting</b>	900W	High End Systems	Solaframe 1000	6 Fixed installation above VIP Boxes
<b>PARCAN</b>	1kW	Strand	PAR 64	12 CP60, CP61 &
	1kW	Kupo	PAR 64	20 CP62 lamps, 25 pcs each
<b>Cyclorama light</b>	200W	Altman	Spectra CYC 200 RGBA	6 O/H Lx bar
<b>Ground Row</b>	200W	Altman	Spectra CYC 200 RGBA	6
<b>Followspot</b>	2.5kW	Robert Juliat	Aramis 1013+	2 Auditorium balcony
<b>CYC Effect Light</b>	2kW	Strand	Toccata EP	2 O/H Lx bar
<b>Effect Disc</b>			Fleecy clouds	2
			Storm clouds	2
			Rain	2
			Snow	2
			Flame	2
			Water	2
<b>Smoke Generator</b>		Look Solutions	Viper NT (DMX controllable)	2
<b>Strobe Light</b>		Martin	Atomic 3000 (DMX controllable)	2





<b>UV Light</b>	400W	Griven	WOOD 400	2	
<b>Others</b>	Side light tower			8	
	Tower equipment setup:	4	ETC Source 4 25/50°	2150mm*	
		(top)	3	ETC Source 4 25/50°	1580mm*
			2	ETC Source 4 25/50°	1000mm*
			1	ETC Source 4 25/50°	400mm*
	<b>* = Height the equipment from the centre of lens to the floor</b>				
	LED Music stand light			100	
	Portable screen	70" x 70"		1	
	Iris and Gobo Holder				

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 Resident Technical Manager for any updates.

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

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:

[https://www.emsd.gov.hk/en/electricity\\_safety/index.html](https://www.emsd.gov.hk/en/electricity_safety/index.html)

## **SOUND**

<b>Sound System</b>	Main central cluster:		
	d&b audiotechnik Yi8		2
	d&b audiotechnik Yi12		4
	Upper Main Speaker System		
	d&b audiotechnik Vi8		3 (on each)
	d&b audiotechnik Bi6		2 (on each)
	Lower Main Speaker System		
	d&b audiotechnik Vi8		4 (on each)
	d&b audiotechnik Bi6		2 (on each)
	d&b audiotechnik 21S-SUB		1 (on each)
	Front Fill Speaker		
d&b audiotechnik 4s		6	
Delay Fill Speaker for rear auditorium:			
d&b audiotechnik Vi7p		1 (on each)	
<b>Main Control Console</b>	Soundcraft Vi5000 digital mixing console:		
	Mono inputs		48
	Group/Auxiliary outputs		24
	Audio/VCA subgroup		16
	Matrix outputs		8
	Mono outputs		1
	Stereo groups outputs		1
<b>Microphone tie line</b>	Each side of the stage		36 (on each)
	Orchestra pit		16
	Stage front		6
<b>Microphone</b>	AKG C414		4
	Crown PCC160		3
	DPA d:vote 4099		10
	Neumann KM184		4
	Neumann KM185		4
	Neumann KMR82i		4
	Neumann KMS105		2



	Sennheiser MD421 MKII	3
	Shure Beta 52A	1
	Shure Beta 56A	4
	Shure Beta 57A	4
	Shure BetaA 87A	2
	Shure SM58	10
<b>Wireless Microphone</b>	Sennheiser UHF EM3732-II Wireless Microphone System	8 sets
	Bodypack: SK5212-II UHF	8
	Handheld: SKM5200-II	8
	<b>Max. 8 units with a minimum booking of 2 session (incur extra charge)</b>	
<b>Stage Monitor</b>	d&b audiotechnik M4	10 (7 group)
<b>CD Player</b>	Tascam CD-6010	2
<b>CD Recorder</b>	Tascam SS-CDR250N	2
	Tascam CD-RW901 MKII	2
<b>DVD Player</b>	Pioneer DVD DV-373-S	1
<b>DVD Recorder</b>	Panasonic DMR-EH59	1
<b>Multimedia Projector</b>	Panasonic PT-RQ35K (30,000 Lumens) with ET-D75LE30 zoom lens, permanent installation at the centre balcony	1 (incur extra charge)
<b>LED Surtitle Display Board</b>	Computerised Surtitle System (incur extra charge)	
<i>Horizontal board (2pcs)</i>	– 200 x 75cm (W x H)	
	– English and/or Chinese Text	
	– System will display in four lines per page	
	1. Surtitle input and stored as Microsoft Word or text (*.doc, *.docx, *.txt) format	
	2. Locating horizontally on the both sides of the forestage, installation as requested	
	3. The control computer will be placed at the side stage or stall seats C38-39 for operation during performance.	
	4. To avoid causing disturbance to the audience, it is recommended to block stall seats C38 & C39	
<b>Video Streaming System</b>		4
Camera	Panasonic AW-UE150K	
Remote Camera Controller	Panasonic AW-RP150	2
Video Switcher	BMD ATEM 4 M/E Broadcast Studio 4K	1
	BMD ATEM 1 M/E Advanced Panel	1
HDD Recorder	BMD HyperDeck Studio 4K Pro	8
SD Card Recorder	BMD Duplicator 4K	2

All the streaming equipment shall be controlled and monitored by professional personnel provided by hirer with sound knowledge in the video streaming system. Basic set up by venue staff only. Incur extra charge.

#### **COMMUNICATION**

Stage manager control panel at stage left  
Two channels intercom system for stage, lighting and sound  
Paging and show relay system  
Close Circuit TV system  
Production desk can be set at the middle of the stalls upon request

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

**All required equipment will be set-up & dismantle during the booking sessions; please allow adequate time for equipment set-up before and after performance or rehearsal.**