



# Orpheum Technical Specifications

## Seating Capacity

2,600 (including apron Orchestra Pit seating)  
2,546 (without apron Orchestra Pit seating)

## Stage Dimensions

Proscenium – 54' wide x 30' high  
Proscenium to up stage wall - 48'6"  
Proscenium to up stage edge of orchestra pit – 6'6"  
Proscenium to down stage edge of orchestra pit - 20'4"  
Stage right wing - 25' wide x 29'6" long  
Stage left wing - 30' wide x 29'6" long  
Wing to wing - 110'  
Height of stage from the main floor- 3'5"  
Fly Information – see Hanging Plot on page 7  
Stage floor to grid: - 65'3"  
Locking and pin rails stage right – Stage level  
Counter weight house, single purchase. 60 pipes. 6" centers. 70' long.  
All pipes operated stage right only.  
Arbor capacity - see Hanging Plot  
House has 80% of total capacity for all arbors.

## Draperies (see Hanging Plot for locations)

Main Curtain - Red velour, flies only  
Plum Curtain - Velour, flies only  
Dark Blue – Velour, flies only  
Black – Velour, flies only  
Teaser Border - Flies only  
Legs – 6 pair - 18' wide x 32' high  
Borders – 6 each, 60' wide x 12' high  
Natural cyclorama (flat), 70' wide x 32' high

## Loading Docks

2 adjacent docks, up stage left

- West door - 8' wide x 11'3" high
- East door - 8'6" wide x 11'3" high

4' above pavement, levelers on each dock  
Doors West & East load directly onto stage

## Orchestra Pit

Hydraulic Orchestra Lift. Load capacity – 28,000 lbs  
Length - 54' (fan shaped)  
Width - 12'-4" (oblong)  
Grand Piano - Steinway D 9' Concert. Piano tuning arranged through the house Production Manager.

## Lighting

Stage electricals wired with grounded stage pin connectors.

Light Board: ETC Obsession

Dimmers: ETC-384, 2.4k dimmers

Company Switch: 3-phase, 400 amp per leg, 5-wire, water pipe or case ground available - 3 each. Stage Right.

Sound Power, isolated: 3-phase, 200 amp per leg, 5-wire, water pipe or case ground available - 1 each. Stage Left.

## Instruments

35 – 8" fresnels (w/barn doors & top hats)

135 – Ellipsoidal (ETC Source Four HPL750) Various degree

12 – Source Four Pars (XW,W,M,N,VN Lens) HPL750

56 – Par 64 (w/wide, medium, narrow lamps)

20 – Strip Lights R40 (4-circuit)

12 – 3 cell Altman Far Cyc

3 each- 19 degree and 36 degree ETC Source Four lens tubes.

**Follow Spots** - 3 Strong Xenon Super Trouper - located in projection booth at rear of theater, 55' above stage. 132' throw to proscenium.

**Boom Bases** – 8 – 50lb.

**Side Arms** - 48

**Gel/Gobo** - House supply limited. If gel or gobos are required, sufficient notice (4 weeks) must be given for the house to obtain them at the user's expense or the user must supply them.

**Electrics** - 26 electric (grid) drop boxes, 15 S.R., 11 S.L.

## Front of House Hang Positions (3):

#1 Balcony Rail – 50' to proscenium line, 30-degree angle. 60 – 20amp circuits, paired.

#2 Box Booms – House Left & Right - 12 circuits each, 36'6" above stage level, 62' throw to proscenium line.

#3 High Cove – 8 – HPL750, 5 degree ETC Source Four, 55' above stage level, 132' throw to proscenium line.

Plugs are grounded stage pin male, on 20 amp breakers.

All FOH positions patchable to road boards at company switch. (dmx512)

## Sound Reinforcement Audio Specifications

### Front of House:

1 – Soundcraft K2 40 channel console

1 – KT 1/3 octave EQ, 2 channel

2 – dbx 2231 1/3 octave EQ, 2 channel

2 – dbx 1066 compressors, 2 channel

1 – dbx 160X compressor

1 – Yamaha SPX 900 Reverb

### Microphones:

6 – Shure Beta 57 A

2 – Shure Beta 87 A

6 – Shure UC Wireless systems W/ 6 – UCI/ WL 150B Lavs

Or 4 – UC2/Beta 87A Handhelds

2 – Shure LX wireless systems w/ 2- LXI w/ WL183 Lavs

Or 2 – LX2 w/ Beta 87A Handhelds

### Mains Ground Stack Per Side:

4 – 15"

8 – 10"

4 – 2" w/60° horns

**Mains Balcony Per Side Flown:**

4 – 12"

4 – 2" w/ 60° horns

All loud speakers are B & C.

All enclosures are custom built by Grund Audio.

All loudspeakers are controlled by (2) dbx 482's.

Main floor and Balcony systems are in stereo.

Main floor 15" enclosures are controlled by Console Aux.

All (14) main amplifiers are Crest Audio.

**Monitors:**

8 – Grund Audio 6T – 1202M

12" / 2" w/passive crossovers

2 – Crest V1500 Amplifiers

1 – Soundcraft 40 X 12 Monitor Console

Additional EQ and power amps are available by request.

**Interconnect:**

40 Channel Main Snake

12 Channel Send Snake

50' & 100' Sub Snakes

75' Speaker Snakes

**Communication System:**

Two-channel Clear Com headset system with permanent receptacles in all possible production sites throughout the theater.

**Sound Mix Position:**

1. Position A - Sound Booth-Orchestra Level, Back of House Center - snake run, approximately 90' from proscenium line. Sound Booth is not isolated from house. Entire front of booth opens to house. House system is located in Sound Booth.
2. Position B - Back of House Right - snake run, approximately 90' from proscenium line.

**NOTE: CAST CALL OPERATES ONLY FROM STAGE RIGHT.**

**Dressing Rooms**

All dressing rooms have lighted mirrors, makeup area, clothes racks, toilets and shower facilities (except where noted \*). All dressing rooms are accessible stage left or stage right.

**Stage Level** (Stage right)

Star A - accommodates up to 2 people

Star B – 1 person; phone and FAX lines available, may be used for production office when required.

**Under Stage Level** (with elevator access to the stage)

Room A - accommodates up to 14 people

Room B - up to 10 people

Room C - up to 15 people

Room D - up to 6 people

Room E - up to 3 people

Room F - up to 3 people

Room G\* - up to 3 people

**Lower Level**

Room H\* - chorus, accommodates up to 19 people

Room J - chorus, up to 9 people

Room K - chorus, up to 11 people

Room L - chorus, up to 3 people

Room M - chorus, up to 10 people