

ALLEN TO-5G THEATRE ORGAN

55 Rank / Five-Manual
Unit Orchestra Theatre Organ

Specifications—Continued

CHAMBER ANALYSIS

Main

- 1 Chorus Trumpet 8
- 2 Tuba Horn 16-4
- 3 "D" Trumpet 8
- 4 Diaphonic Diapason 32-4
- 5 Open Diapason 8-4
- 6 Tibia Clausa 16-2
- 7 Clarinet 16-8
- 8 Musette 8
- 9 Cor Anglais 8
- 10 Gamba 8-4
- 11 Gamba Celeste 8-4
- 12 Viol d'Orchestra 8-2
- 13 Viol Celeste 8-4
- 14 Salicional 8-2
- 15 Salicional Celeste 8-4
- 16 Oboe Horn 16-8
- 17 Harmonic Flute 4
- 18 Concert Flute 16-4
- 19 Dulciana 16-4
- 20 Dulciana Celeste 16-4
- 21 Vox Humana 8-4
- 22 Vox Humana #2 8-4
- 23 Violone (Pedal) 32-16
- Chrysoglott

Solo

- 24 English Posthorn 16-8
- 25 Tuba Mirabilis 16-8
- 26 Brass Trumpet 8
- 27 Horn Diapason/Diaphone 16-4
- 28 Horn Diapason Celeste 8-4
- 29 Tibia Clausa 32-2
- 30 Brass Saxophone 8
- 31 Orchestral Oboe 8
- 32 Kinura 8
- 33 Krumet 8
- 34 Solo String 16-4
- 35 Solo String Celeste 8-4
- 36 Cello 8-4
- 37 Cello Celeste 8-4
- 38 French Horn 8
- 39 Quintadena 8
- 40 Quintadena Celeste 8
- 41-42 Lieblich Flute 8-2
- 43 Spitzflute Celeste II 8-4
- 44 Vox Humana 8-4
- 45 Vox Humana #2 8-4

Ancillary

- 46 Principal 8
- 47 Octave 4
- 48 Superoctave 2
- 49-52 Mixture IV
- 53 Trompette en-chamade 8

Percussion

- 54 Tibia Clausa 8-2
- 55 8' Pedal Tibia Pizzicato
- Piano
- Wood Harp
- Wood Harp Re-it
- Metal Harp
- Vibraharp
- Xylophone
- Glockenspiel
- Chimes

Traps

- Bass Drum
- Tympani
- Crash Cymbal
- Tap Cymbal
- Brush Cymbal
- Finger Cymbal
- Choke Cymbal
- Wood Block
- Tambourine
- Castanets
- Tom-tom
- Snare Drum

Sound Effects

- Persian Cymbal
- Train
- Wind Chimes
- Birds
- Gong

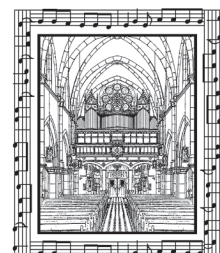
Specifications and stop lists subject to change without notice or obligation.

- Audio System: 25 Channels; 8 HR-200 Speakers, 14 HR-100 Speakers, 3 SR-5 Speakers; Optional 2-Channel Reflections™ Package with 2 HR-100 Speakers.
- Combination Action: 30 General Pistons; 10 Divisionals for each manual; 6 Divisionals for Pedal; 2 Divisionals for Ancillary.
- Height: 62.5" without music rack; 71.75" with music rack; Width: 71.25"; Depth: 65" with pedalboard and bench.

Note-by-note voicing, tuning, and regulation are only the beginning. The accuracy of digitally-sampled tremulants and the spatial dimension of Acoustic Portrait™ actual sampled acoustics show you why Allen's Theatre Organs are taking the theatre world by storm.

Featuring:

- Patented Allen Technology with Four Separate Scaling Possibilities
- Acoustic Portrait™ Sampled Reverb
- GENISYS™ Display - Advanced touchscreen control of many of the organ's functions and features, offering seamless control and ease-of-use.
- GENISYS™ Voices - Variable stops with hundreds of organ and instrumental voice possibilities offering unmatched tonal versatility.
- Stop-by-Stop and Note-by-Note Voicing
- Deluxe Mechanical Stop Action
- User Reconfigurable Pistons
- Individually Adjustable Felted Keys
- Advanced MIDI Capabilities



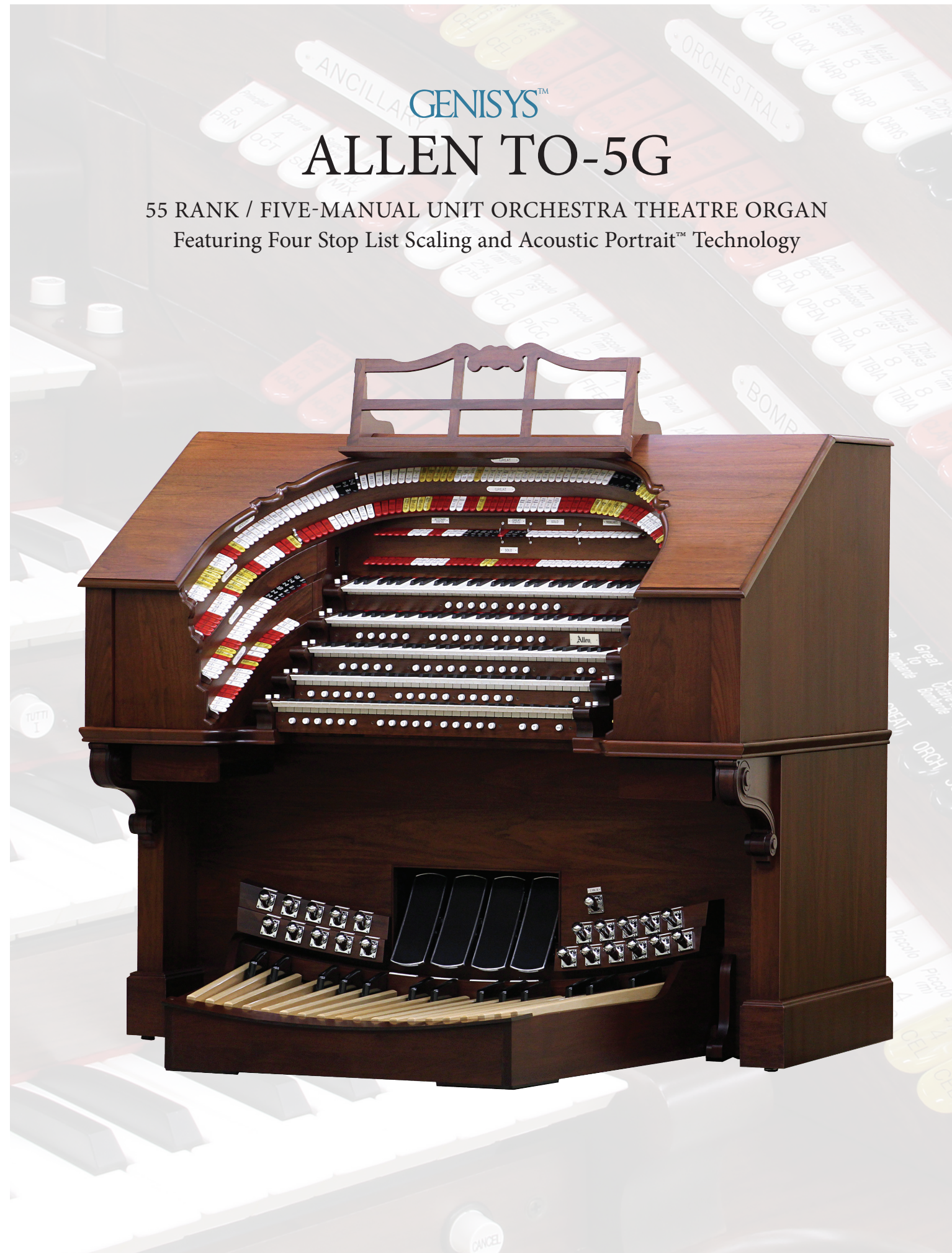
Acoustic Portrait™

Allen instruments are the only digital organs to bring the science of sampling to acoustics! Ordinary electronic reverb is a synthetic imitation of acoustics "applied to" the sound, not created as an integral part of it. Acoustic Portrait™ produces the real thing in exacting detail!

Acoustic Portrait™ begins with a sampling process using impulse responses that measure an actual room's acoustic properties. These measurements are then stored in the organ's computer memory. Through an advanced real-time mathematical process called convolution, the acoustics of the sampled room actually become an integral part of the organ's sound, producing a noticeably smoother, more natural result than synthetic reverb. Allen engineers have recorded the acoustics of cathedrals and other acoustically desirable buildings throughout the world. With advanced processors (DSPs) and patented low-latency convolution algorithms, Acoustic Portrait™ reproduces the true acoustic response of each original room with stunning realism! Each Allen organ features 10 different Acoustic Portraits, ranging from intimate rooms to cavernous cathedrals.



150 Locust Street
Macungie, PA 18062 USA
Phone: 610-966-2202
E-mail: aosales@allenorgan.com
Website: www.allenorgan.com
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GENISYS™

ALLEN TO-5G

55 RANK / FIVE-MANUAL UNIT ORCHESTRA THEATRE ORGAN
Featuring Four Stop List Scaling and Acoustic Portrait™ Technology

Allen TO-5G 55 Rank / Five-Manual Unit Orchestra Theatre Organ

Specifications

PEDAL

32	Contra Diaphone
32	Contra Tibia S
32	Contra Violone
16	Double English Horn
16	Bombarde
16	Ophicleide
16	Diaphone
16	Diaphonic Horn
16	Tibia Clausa S
16	Tibia Clausa M
16	Clarinet
16	Bass String (2 rks)
16	Oboe Horn
16	Violone
16	Bourdon
16	Dulciana (2 rks)
8	English Horn
8	Tuba Mirabilis
8	Tuba Horn
8	Diaphonic Diapason
8	Open Diapason
8	Horn Diapason
8	Tibia Clausa
8	Tibia Clausa Pizz
8	Clarinet
8	Major Strings (4 rks)
8	Minor Strings (6 rks)
8	French Horn
8	Oboe Horn
8	Concert Flute
16	Piano
8	Piano
	Bass Drum
	Tympani
	Crash Cymbal
	Tap Cymbal
	Brush Cymbal
	Finger Cymbal
	Triangle
	Accomp to Pedal
	Great to Pedal
	Great Octave Pedal
	Solo on Pedal
	MIDI on Pedal
	Accomp Traps to Pedal

ACCOMPANIMENT

8	English Horn
8	Tuba Mirabilis
8	Solo Trumpet
8	Chorus Trumpet
8	Tuba Horn
8	Diaphonic Diapason
8	Open Diapason
8	Horn Diapason
8	Tibia Clausa S
8	Tibia Clausa M
8	Clarinet
8	Solo String (2 rks)
8	Gamba (2 rks)
8	Cello (2 rks)
8	Viol d'Orchestre (2 rks)
8	Salicional (2 rks)
8	French Horn
8	Oboe Horn
8	Quintadena
8	Lieblich Flute
8	Concert Flute
8	Spitz Flute (2 rks)
8	Vox Humana
8	Vox Humana
8	Dulciana (2 rks)
4	Octave Open
4	Octave Horn
4	Piccolo M
4	Solo String (2 rks)
4	Gambette (2 rks)
4	Cello (2 rks)
4	Viol (2 rks)
4	Salicet (2 rks)
4	Lieblich Flute
4	Concert Flute
4	Spitz Flute (2 rks)
4	Vox Humana
4	Vox Humana
4	Dulcet (2 rks)
2 2/3	Lieblich Twelfth
2 2/3	Twelfth
2	Lieblich Piccolo
2	Piccolo
8	Piano
	Wood Harp Sub
	Wood Harp
	Metal Harp
	Chrysoglott
	Snare Drum
	Castanets
	Tambourine
	Wood Block
	Tom-Tom
	Hi Hat
	Tap Cymbal
	Brush Cymbal
	Octave
	Solo to Accomp
	MIDI on Accomp

GREAT

16	Double English Horn
16	Bombarde
16	Solo Trumpet (Ten C)
16	Chorus Trumpet (Ten C)
16	Ophicleide
16	Diaphone
16	Open Diapason (Ten C)
16	Diaphonic Horn
16	Tibia Clausa
16	Tibia Clausa (Ten C)
16	Tibia Clausa
16	Clarinet
16	Orchestral Oboe (Ten C)
16	Musette (Ten C)
16	Saxophone (Ten C)
16	Solo String (2 rks)
16	Gamba (2 rks)
16	Cello (2 rks)
16	Minor Strings (4 rks)
16	Krumet (Ten C)
16	Cor Anglais (Ten C)
16	Oboe Horn
16	Quintadena (Ten C)
16	Bourdon
16	Vox Humana (Ten C)
16	Vox Humana (Ten C)
16	Dulciana (2 rks)
8	English Horn
8	Tuba Mirabilis
8	Solo Trumpet
8	Chorus Trumpet
8	Tuba Horn
8	Diaphonic Diapason
8	Open Diapason
8	Horn Diapason
8	Tibia Clausa
8	Tibia Clausa
8	Tibia Clausa
8	Clarinet
8	Kinura
8	Orchestral Oboe
8	Musette
8	Saxophone
8	Solo String (2 rks)
8	Gamba (2 rks)
8	Cello (2 rks)
8	Viol d'Orchestre (2 rks)
8	Salicional (2 rks)
8	Krumet
8	Cor Anglais

8	French Horn
8	Oboe Horn
8	Quintadena
8	Lieblich Flute
8	Concert Flute
8	Spitz Flute (2 rks)
8	Vox Humana
8	Vox Humana
8	Dulciana (2 rks)
5 1/3	Fifth (Tibia S)
5 1/3	Fifth (Tibia M)
4	Octave
4	Octave Open
4	Octave Horn
4	Piccolo
4	Piccolo
4	Piccolo
4	Solo String (2 rks)
4	Gambette (2 rks)
4	Cello (2 rks)
4	Viol (2 rks)
4	Salicet (2 rks)
4	Harmonic Flute
4	Lieblich Flute
4	Spitz Flute (2 rks)
4	Dulcet (2 rks)
3 1/5	Tenth (Tibia M)
2 2/3	Twelfth (Tibia S)
2 2/3	Twelfth (Tibia M)
2 2/3	Lieblich Twelfth
2	Piccolo (Tibia)
2	Piccolo (Tibia)
2	Piccolo (Tibia)
2	Fifteenth
2	Lieblich Piccolo
1 3/5	Lieblich Tierce
1	Lieblich Fife
8	Piano
4	Piano
	Wood Harp Sub
	Wood Harp
	Xylophone Sub
	Xylophone
	Glockenspiel
	Chrysoglott
	Sub Octave
	Unison Off
	Octave
	Solo on Great
	MIDI on Great

ORCHESTRAL

16	Double English Horn
16	Solo Trumpet (Ten C)
16	Ophicleide
16	Tibia Clausa
16	Tibia Clausa (Ten C)
16	Tibia Clausa
16	Saxophone (Ten C)
16	Major Strings (4 rks)
16	Minor Strings (6 rks)
16	Vox Humana (Ten C)
16	Vox Humana (Ten C)
8	English Horn
8	Tuba Mirabilis
8	Solo Trumpet
8	Chorus Trumpet
8	Style D Trumpet
8	Tuba Horn
8	Open Diapason
8	Horn Diapason
8	Tibia Clausa
8	Tibia Clausa
8	Tibia Clausa
8	Clarinet
8	Orchestral Oboe
8	Musette
8	Saxophone
8	Solo String (2 rks)
8	Gamba (2 rks)
8	Cello (2 rks)
8	Minor Strings (4 rks)
8	Krumet
8	Cor Anglais
8	French Horn
8	Vox Humana
8	Vox Humana
4	Piccolo
4	Piccolo
4	Piccolo
4	Solo String (2 rks)
4	Mezzo Strings (4 rks)
4	Minor Strings (4 rks)
4	Harmonic Flute
2 2/3	Twelfth (Tibia S)
2 2/3	Twelfth (Tibia M)
2	Piccolo (Tibia S)
2	Piccolo (Tibia M)
1 3/5	Tierce (Tibia M)
8	Piano
	Wood Harp
	Xylophone
	Glockenspiel
	Metal Harp
	Vibraharp
	Chrysoglott
	Sub Octave
	Unison Off
	Octave
	Solo on Orch
	MIDI on Orch

ANCILLARY

8	Principal
4	Octave
2	Superoctave
	Mixture IV
8	Fanfare Trumpet

BOMBARDE

16	Double English Horn
8	English Horn
8	Tuba Mirabilis
8	Solo Trumpet
8	Chorus Trumpet
8	Style D Trumpet
8	Tuba Horn
8	Diaphonic Diapason
8	Open Diapason
8	Tibia Clausa
8	Tibia Clausa
8	Tibia Clausa
8	Saxophone
8	Major Strings (4 rks)
8	Minor Strings (6 rks)
8	Vox Humana
8	Vox Humana
4	Piccolo
4	Piccolo
4	Piccolo
4	Major Strings (4 rks)
4	Minor Strings (6 rks)
2 2/3	Twelfth (Tibia S)
2 2/3	Twelfth (Tibia M)
2	Piccolo (Tibia)
2	Piccolo (Tibia)
2	Piccolo (Tibia)
1	Fife (Tibia M)
8	Piano
	Xylophone
	Glockenspiel
	Vibraharp
	Chrysoglott
	Sub Octave
	Unison Off
	Octave
	Great to Bombarde
	Great Octave Bombarde
	Orch to Bombarde
	Solo on Bombarde
	MIDI on Bombarde

SOLO

8	Fanfare Trumpet
8	English Horn
8	Tuba Mirabilis
8	Solo Trumpet
8	Chorus Trumpet
8	Style D Trumpet
8	Tuba Horn
8	Diaphonic Diapason
8	Open Diapason
8	Tibia Clausa
8	Tibia Clausa
8	Tibia Clausa
8	Clarinet
8	Kinura
8	Orchestral Oboe
8	Musette
8	Saxophone
8	Major Strings (4 rks)
8	Minor Strings (6 rks)
8	Minor Strings (6 rks)
8	Krumet
8	Cor Anglais
8	French Horn
8	Oboe Horn
8	Vox Humana
8	Vox Humana
8	Piccolo
4	Piccolo
4	Piccolo
4	Major Strings (4 rks)
4	Minor Strings (6 rks)
2 2/3	Twelfth (Tibia S)
2 2/3	Twelfth (Tibia M)
2	Piccolo (Tibia)
2	Piccolo (Tibia)
2	Piccolo (Tibia)
1 3/5	Tierce (Tibia S)
1 3/5	Tierce (Tibia M)
1 1/3	Larigot (Tibia M)
	Sub Octave
	Unison Off
	Octave
	MIDI on Solo
8	Piano
	Wood Harp Sub
	Xylophone
	Glockenspiel
	Metal Harp
	Vibraharp
	Cathedral Chimes

ACCOMP 2nd Touch

8	English Horn
8	Tuba Mirabilis
8	Solo Trumpet
8	Chorus Trumpet
8	Tuba Horn
8	Diaphonic Diapason
8	Tibia Clausa S
8	Tibia Clausa M
8	Clarinet
8	French Horn
4	Piccolo (2 rks)
	Glockenspiel Octave
	Cathedral Chimes
	Percussions 2nd Touch
	Traps 2nd Touch
	Great Octave Accomp
	Solo on Accomp
	MIDI on Accomp

GREAT 2nd Touch

	English Horn 16-8
	Solo on Great
	Solo on Great Pizz
	MIDI on Great

TREMULANTS

	Main
	Main Strings
	Clarinet
	Tibias/Sax/Voxes
	Solo
	Solo Strings
	Tubas
	Trumpets
	English Horn

Key cheek pistons

	Unisons Off
	Celestes Off
	Main Vox 1 Off
	Main Vox 2 On
	Solo Vox 1 Off
	Solo Vox 2 On
	Chorus Trumpet Off
	Style D Trumpet On
	Quintadena Celeste
	Horn Diapason Celeste
	Master Expression
	Marimba Re-it
	Chrysoglott Motor
	Vibraharp Motor
	Ancillary on Solo
	Ancillary on Orch
	Ancillary on Bombarde
	Ancillary on Great
	Ancillary on Accomp
	Ancillary on Pedal

Toe Piston Effects

	Persian Cymbal
	Gong
	Wind Chimes
	Train
	Birds

- FEATURES:**
- GENISYS™ Display - Advanced touchscreen control of many of the organ's functions and features, offering seamless control and ease-of-use.
 - OST™ (Optical Sensor Technology) keying on Solo, Orchestral, Bombarde
 - 2nd Touch on Great and Accompaniment
 - Expression: Percussion, Main, Solo; Crescendo
 - 22 Toe Studs
 - Standard finishes available: cherry-on-walnut or walnut

