

### Chiff Dynamics

Sounding an organ pipe creates an effect known as chiff. This is an essential component of the overall sound. In most electronic organs chiff is created by computer simulation. The result ranges from poor to reasonable. In Johannus organs, however, the original recording of organ pipes is used. Each time a different key is pressed, the fundamental tone is preceded by chiff. Moving air remains briefly in the pipe when the note is released. When the same key is pressed again in quick succession, this remaining air flow causes part of the chiff to be lost depending on the speed of repetition. Although this effect is typical of a pipe organ, it was previously lacking in pipeless digital organs. Johannus Research proudly presents a new breakthrough in organ technology. Now the sound of an organ pipe can be recreated to the smallest detail. This is a tremendous advance.

### Easy Menu

Large organs are seldom simple to operate. Modern computer technology provides almost limitless possibilities, which can make the operation of a modern instrument challenging. The Johannus Opus, Sweelinck and Rembrandt series are delightful exceptions. Johannus Research has develped an accessible system bringing you the advantages of this fantastic technology: Easy Menu. The Easy Menu also provides 12 different temperaments: Equal, Kirnberger II, Kirnberger III, Meantone 1/6, Meantone 1/5, Meantone 1/4, Neidhardt III, Pythagoras, Valotti, Werckmeister III, Young II and Custom. Experience the possibilities and convenience of this menu, developed by organists for organists.

### pipeLIFE ™ Tuning

All organists know that the beauty and grandeur of a good pipe organ is unsurpassed. Now the Johannus research team has recreated another unique pipe organ characteristic called pipeLIFE<sup>TM</sup> Tuning. The tuning of a pipe is seldom exactly the same, even when played twice in succession. The pipes' pitch is influenced by temperature, wind in the chest and physical layout of pipe ranks, as well as which keys are played simultaneously. Pipes in physical and acoustical proximity to one another influence each other's pitch; this phenomenon is often referred to as 'drawing' by professional organ tuners. Johannus pipeLIFE<sup>TM</sup> Tuning recreates this phenomenon and employs these properties with amazing realism and clarity to create the ultimate pipe-like experience. Another FIRST from Johannus!

# Technical Specifications

Voices

Total Independently Sampled Pipe organ Ranks	111
Classic Sound Module Voices (CSM-128)	40
Orchestral Voices (Super Solos)	7
Total voices that can play at the same time	115
Romantic Organs	4
Symphonic Organs	4
Baroque Organs	4
Total Organs	12
Total sets of samples (Rom, Sym, Bar, 2x library)	5
Divisions (Gt/Pd/Ch/Sw/Solo/Eth/State Tr.)	7
Total onboard sampled ranks	602
C-C# wind chest lay out on all ranks	•
Mixtures all ranks independent samples	•
Chiff Dynamics™	$\bullet$
PipeLIFE™ Tuning	•
Expression shutter characteristics	•
Personal Voicing Software, note-by-note, rank-by-rank	•

### Manuals

61 notes C-c'''' HQT, wood core361 notes C-c'''' HQT, wood core, Ebony/Cherry032 notes C-g' AGO pedalboard with Dark wooden sharps1

### Capture

General memories (250 levels, quick access)	2000
Divisional memories	7500
Tutti 1 and 2, programmable	•
General Crescendo A and B, programmable, 20 levels	•
Cancel, SET, Recall	•
Memory key lock	•
Sequencer, step up/down	•

### Audio

96
$\bullet$
0
•
5
•
4
$\bullet$
2
•
0

 $\bigcirc$  standard  $\bigcirc$  optional

Height

Width

Depth

Depth incl. pedal board

Controls
Draw knobs
Thumb pistons
Tabs
Toe Studs, brass
Transposer, 17 steps, programmable
Pitch, +/- half step, programmable
Easy Menu
MIDI tabs, programmable
Couplers, unison, 16' and 4'
Chorus
Manual Bass
Melody Coupler Choir
Melody Coupler Swell
Fix Accessories
Reeds Off
Keyboard Transfer Great/Choir
Pipes On, Ancillary On, Pipe MIDI interface
Zimbelstern piston and toe stud
Temperaments, incl. programmable
Console Status Display
Power switch with key lock
External Connections
MIDI in, sequencer out, module out, pipes out
Headphones stereo out, 2 k $\Omega$
DSA-4 stereo out, 270Ω/300mV
Aux stereo in, 1kΩ/70mV
Aux stereo out, 270Ω/300mV
External Loudspeaker out, 8Ω
Console
American Classic style with Arches/mouldings
Dark Oak E45 console
Light Oak key cheeks, piston rails and jambs
Custom kinds of wood and colours
Illuminated pedal board with 4 lights
Illuminated wooden music desk
Plexiglas music desk
Bench with music spare
Adjustable height bench
Dimensions

76″

54″



the **JOHANNUS** revolution

# AC VII

From the heart of Europe to the hearts of organists worldwide, the Johannus AC VII stands majestically as the ultimate instrument for any player in virtually any situation. Churches and concert halls around the world continue to look to Johannus for musical support and inspiration through world class sound quality, unmatched console construction, technological innovation and leadership.

Johannus

"Our congregation is delighted with the pipe authentic tonal quality and beautifully crafted console of our Johannus American Classic organ. The music produced by this instrument continues to enhance our Liturgies."

The Rev. John Corredato, St Boniface Catholic Church, Edwardsville IL

After spending several months searching for a replacement for our aging custom digital organ, our Worship Committee overwhelmingly chose Johannus. St. Lukeś requires a work horse organ - an organ capable of supporting our ambitious worship and concert schedules. The AC VII is expected to provide many years of reliable service glorifying God through music – music of the highest quality grounded in a spirit of true worship and genuine stewardship of the resources with which we have been entrusted."

> Director of Music Ministry, Worship St. Lukeś Lutheran Church (LCMS), Oviedo, Florida USA

"The Johannus American Classic was designed to capture the exquisite majesty of the great tradition of American organ building. The organ is ideal both for service playing and recital. The player is at once captivated by the warm strings, broad principals, fiery reeds and silvery mixtures. In keeping with the concept of the American Classic instrument, the Johannus AC VII is capable of playing the widest array of literature with thrilling effect. The unique feature of the floating solo division gives the artist the flexibility of a fifth division of chorus reeds and solo voices without requiring a fourth manual. Having played this instrument for recitals in a variety of acoustical and ecclesiastical settings, I have found it to be a superb instrument which speaks with a glorious voice."

J. David Hart, M.F.A., F.A.G.O

Great craftsmanship has been the hallmark of Dutch organ building for centuries. In the heart of Holland, the wooded area of the town of Ede is home to a very special company - Johannus, builder of classical organs.

Johannus organs have been installed in over eighty countries. Every Johannus organ is unique and is custom made. The requests of the customer are merely the starting point. Using knowledge gained from years of experience, your local Johannus representative guides you through the specification process to arrive at the perfect organ for your needs.

During the entire building process, specialists of many different fields work together daily. This unique environment has helped produce a highly motivated team of musicians and engineers.

A harmony of transparent individual stops blend together to produce a majestic pipe organ sound. The great builders of pipe organs repeatedly experience this special heart stirring emotion. Now the Johannus organ builders want to share this emotional experience with you...

WATCH the DVD & HEAR the

Take a journey

## About Johannus



PEDAL 21 Ranks 20 voices CHOR 23 Ranks 20 Voices CREAT 23 Ranks 20 Voices SWELL 23 Ranks 21 Voices SOLO 6 Ranks 31 Voices MIDI VOICE 6 Ranks 6 Voices   Open Wood 32' Spitz Principal 8' Soloces 50 voices 40 voices   Open Wood 32' Spitz Principal 8' Nontre 16' Bourdon 16' Flue   Open Wood 32' Unda Maris 8' Principal 8' Ceigen Principal 8' Clairon Harm. 16' Flue   Diapason 16' Erzähler 8' Stopped Flute 8' Rohrflute 8' Clairon Harm. 4' Recorder   Subbass 16' Erzähler Cleiste 8' Fluto Dolec Cel. 8' Voical Gamba 8' French Hom 8' Fluto Cello   Violon %* 16' Flute 4' Cempelfult 2/3' Viola 4' Cello Cello   Octave 4' Superquint 1/3' Flute 2/3' Kopelfult 4'/3' Cello Cello Cello   Cotave 4' Superquint 1/3' Flute 2/3' Kopelfult 4'/3' Cello Cotave 4'/3'   Choralbass	5
20 voices   20 voices   21 voices   6 voices   40 voices     Open Wood   32'   Spitz Principal   8'   Montre   16'   Bourdon   6'   Bourdon   6'   Principal   6'   Bourdon   6'   Principal   6'   Trompette Harm   6'   Piccolo     Contra Violon   2'   Unda Maris   8'   Stopped Flute   8'   Robritute   6'   Robritute   6'   Robritute   6'   Robritute   6'   Robritute   8'   Robritute   8'   Robritute   8'   Robritute   6'   Robritute   6'   Robritute   8'   Robritute   8'   Robritute   8'   Robritute   6'   Robritute   6'   Robritute   8'   Robritute   8'   Robritute   8'   Robritute   8'   Robritute   7'   Robritute   8'   Robritute </th <th></th>	
Open Wood 32' Spitz Principal 8' Montre 16' Bourdon 16' Bourdon 16' Bourdon 16' Fluit   Contra Violon 32' Unda Maris 8' Principal 8' Principal 8' Cairon Harm 16' Fluit Principal 8' Cairon Harm 4' Recorder   Diapason 16' Erzähler Celeste 8' Stopped Flute 8' Rohrflute 8' Corno di Bassetto 8' Principal 8'   Subbass 16' Erzähler Celeste 8' Flute Dolce 8' Vola di Gamba 8' French Horn 8' Horn   Violon sw* 16' Flute 4' Gershorn 8' Octave 4' Viola di Gamba 8' French Horn 8' Horn   Violon sw* 16' Flute 4' Octave 4' Copellate 4' Kopellate 4' Viola Celelo Violin Celelo Violin   Chorabas 4' Pincipal 13' Flute 22'3' Viola 4'' Stores 8' Harp   Diaphone 64' Sesquialtera 11' Scharff 111'	
Contra Subbas   32'   Bourdon   6'   Open Diapason   6'   Principal   8'   Geigen Principal   8'   Geoden Principal   8'   Clairon Harm.   4'   Recorder     Diapason   16'   Erzähler   8'   Stopped Flute   8'   Rohrlute   8'   Clairon Harm.   4'   Recorder     Diapason   16'   Erzähler Celeste   8'   Stopped Flute   8'   Non' di Basetto   8'   Panflute     Subbass   16'   Fuzehler Celeste   8'   Rohrlute   8'   Truba Major   8'   English Horn     Violon sv   16'   Flute   4'   Gemshorn   8'   Octave   4'   Tuba Major   8'   English Horn     Cello   A'   Stalicinal   4'   Gemshorn   8'   Octave   4'   Genshorn   8'   Nola   4'   Nola   6'   Ranks   Bright strings     Choralbass   4'   Piccolo   2'   rwelfth   2'2'   Octave   2'   6'   Ranks   Bright strings     Rauschyfein   III   Siffot	
Contra Violon     32'     Unda Maris     8'     Principal     6'     Geigen Principal     8'     Clairon Harm.     4'     Recorder       Diapason     16'     Erzähler Celeste     8'     Stopped Flute     8'     Rohrflute     8'     Corno di Basseto     8'     Hanflute       Subbass     16'     Erzähler Celeste     8'     Fluto Dolc     8'     Nox Celeste     8'     Toba Major     8'     English Horn       Violon Sw*     16'     Flute     4'     Cetave     4'     Cetave     4'     Cello     Cello       Octave     8'     Salicional     4'     Octave     4'     Cotave     4''     Norther State     Norther State     Norther State       Gedackt     8'     Nasard     2.2''     Open Flute     2.4''     Norta     Flute     4''     State States     Bellstrings       Godackt     4''     Supergoint     1.1''     Flute     2.2''     Octave     2''<''	
Diapason   16'   Fizähler   8'   Slopped Flute   8'   Rohrflute   8'   French Hon   8'   Hond     Subbass   16'   Fizähler Celeste   8'   Ialuto Dolce   8'   Viola di Gamba   8'   French Hon   8'   Hond     Cabordon C*   16'   Octave   4'   Gemshorn   8'   Voclave   4'   Tuba Major   8'   Rogish Hom     Octave   4'   Salicional   4''   Octave   4''   Cello   Cello   Cello     Octave   8''   Salicional   4''   Octave   4''   Superguint   1'''   Superguint   1'''   Superguint   2'''   Viola   4''   ETHEREAL   Bell strings     Chorabass   4''   Superguint   1''''   Fouriture   1'''   Nota   4''   Superguint   1''''   Superguint   1''''   Superguint   1''''   Superguint   1''''   Superguint   1'''''   Superguint   1'''''   Superguint   1''''''''''''''''''''''''''''''''''''	
Subbass16'Erzähler Celeste8'Huto Dolce8'Viola di Gamba8'French Horn8'HornEcho Bourdon CH* 16'Octave4'Flauto Dolce Cel.8'Vox Celeste8'Tuba Major8'English HornViolon swt*16'Flute4'Gemshorn8'Octave4'CelloCelloOctave8'Salicional4'Octave4'Geigen Principal4'CelloViolaGedackt8'Nasard2 2/3'Open Flute4'Koppelflute4'ETHEREALWarm stringsViolon8'Principal2'Twelfth2 2/3'Viola4'ETHEREALWarm stringsChoralbass4'Piccolo2'Fifteenth2'Cutave2'5 VoicesBell stringsRauschpfeife11Siffolte1'FournitureIVWaldflute2'Vox Angelicus8'Harp schordContra Bombarde32'CymbelIIITerzianIIPlein JeuVAeoline Celest II8'ChinesDiaphone6'State Trumpet8'State Trumpet8'State Trumpet8'Cortave4'Celesta 1Contra Sombarde32'CymbelIIITerzianIIPlein JeuVAeoline Celest II8'ChinesState Trumpet8'Rummhon8'State Trumpet8'Cort Anglais8'Celesta 1Chines <t< td=""><td></td></t<>	
Echo Bourdon CH* 16'   Octave   4'   Fluto Dolec Cel.   8'   Nox Celeste   8'   Tuba Major   8'   English Horn     Violon sw*   16'   Flute   4'   Genshorn   8'   Octave   4'   Cello   Cello     Gedack   8'   Salicional   4'   Octave   4'   Geigen Principal   4'   Violan   4'   Orchestral strings     Violon   8'   Principal   2'   Violfth   2 23'   Viola   4'   Orchestral strings     Choralbass   4'   Principal   2'   Fifteenth   2'   Octave   2'   FIHEREAL   Waitfilte   2'///   Ball strings     Ruschpfeife   11   Stiffote   1'/   Fouriture   Viv   Waitfilte   2'/   Flauto Mirabilis   8'/   Harp     Contra Tompet   16'   State Trumpet   16'/   Fagotto   16'/   Vox Angelicus   8'/   Celesta 1     Contra Tompet   16'   State Trumpet   8'//   State Trumpet   8'//   Cortare   4'//   Cortare   8'///   Cortare <td< td=""><td></td></td<>	
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Flute   4'   Superquint   1 1/3'   Flute   2'   Octave   2'   5 Voices   Bell stringe     Rauschpfeife   III   Sifflote   1'   Fourniture   IV   Waldflute   2'   Harp     Diaphone   64'   Sesquialtera   III   Scharff   III   Tircce   13/5'   Flauto Mirabilis   8'   Harpschord     Contra Bombarde   32'   Cymbel   III   Terzian   II   Plein Jeu   IV   Acoline Celeste II   8'   Impani     Contra Trumpet   16'   State Trumpet   8'   State Trumpet   8'   Interpet   8'   Interpet   8'   Cor Anglais   8'   Celesta 1     Trumpet   8'   Krummhorn   8'   State Trumpet   8'   Interpet   8'   Cor Anglais   8'   Celesta 2     State Trumpet   8'   Krummhorn   8'   Klarine   4'   Oboe   8'   Termulant   Voodharp     Clarion   4'   Rohr Schalmey   4'   Tremulant   K   Voice   8'   Cor Anglais   6'	
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Contra Bombarde 32'CymbelIIITerzianIIPlein JeuIVAeoline Celeste II8'TimpaniContra Trumpet16'State Trumpet8'Contra Trumpet16'Fagotto16'Vox Angelicus8'ChimesBasson16'Echo Trumpet8'State Trumpet8'State Trumpet8'Flute Traverse4'Celesta 1Trumpet8'Regal8'Trumpet8'State Trumpet8'Cor Anglais8'Celesta 2State Trumpet8'Krummhorn8'Klarine4'Oboe8'TremulantWoodharpClarion4'Rohr Schalmey4'TremulantVox Humana8'TremulantHandbellsClarion4'Rohir Schalmey4'TremulantChimesClarion4'Choiry SoglottCarillonClarion4'Choir Unison OffGreat Unison OffSwell Unison Off7 RanksChoir 2Pedal Pedal4'Choir - Choir16'Great - Great4'Swell - Swell16'7 VoicesHarmonic FluteChoir - Pedal8'Swell - Choir16'Choir - Great16'Swell - Swell16'7 VoicesFlute Celeste IIPedal - Pedal4'Swell - Choir16'Choir - Great4'Swell - Swell16'7 VoicesHarmonic FluteChoir - Choir16'Choir - Great16'Swell - SwellSwell - Swell16'Swell - Swell </td <td></td>	
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Solo/Eth – Pedal 8' Swell – Choir 4' Swell – Great 16'   Solo/Eth – Choir 8' Swell – Great 8' Oboe Clarinet   Viola Ranket	8′
Solo/Eth - Choir 8' Swell - Great 8' Viola Ranket	8′
	8′
* under Chair ausgestign Bach Trumpet Tuba	8′
under choir expression Swert – Creat –	8′
** under Swell expression Solo/Eth – Great 8′ Trumpet Chamade	8′
Trombone Terzian	П
Tuba Sesquialtera	П
	·IV
Reed Organ	
Gospel Organ 1	
Gospel Organ 2	
Tibia Organ	
Tracker Action	

Audio System 12.4 HP (High Power) 16 channels 22 speaker cabinets 54 speaker drivers 3520 Watts

Audio System 24.4 HP (High Power) 28 channels 32 speaker cabinets 96 speaker drivers 5560 Watts

# Stoplist AC VII