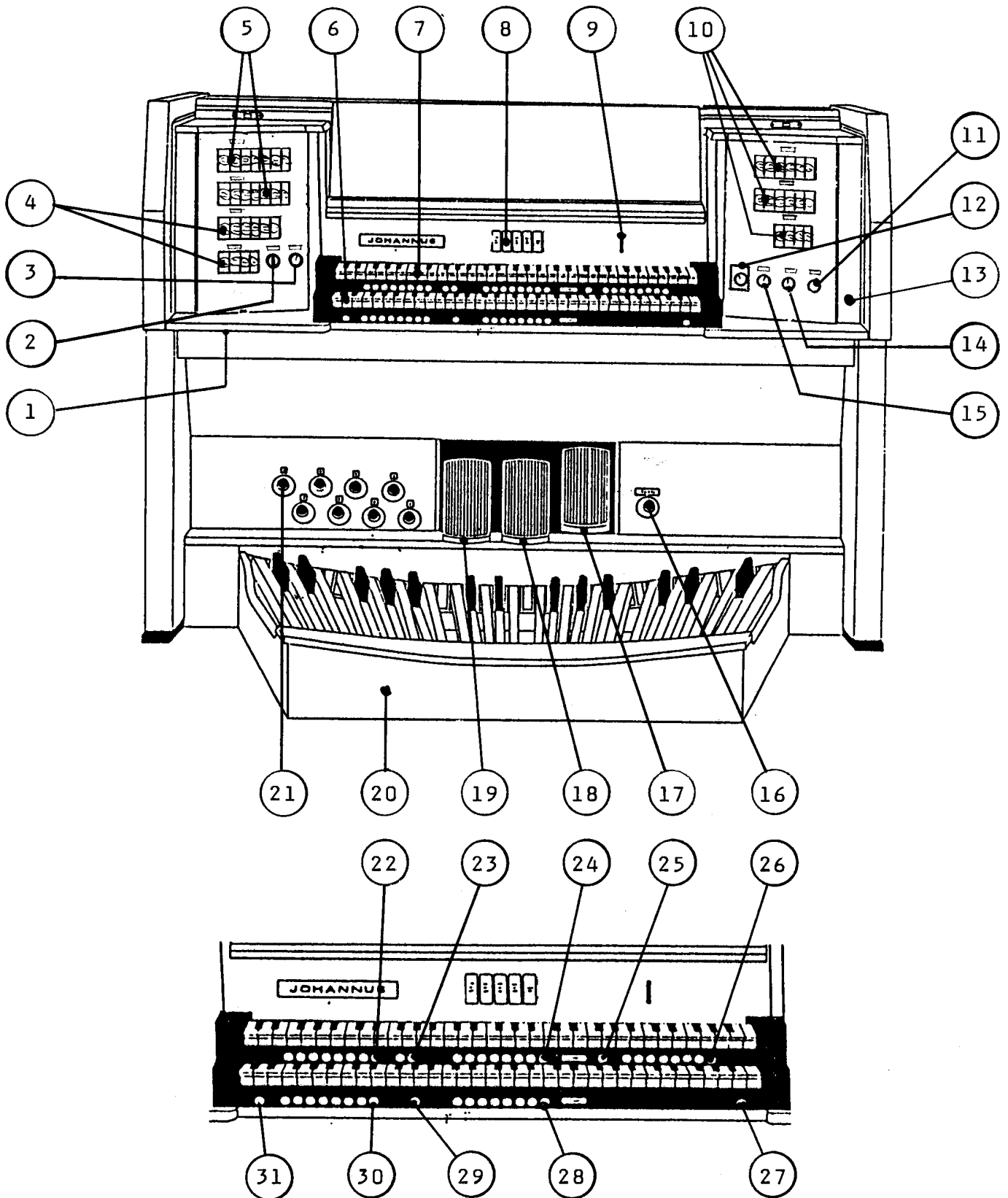


01000000

O W N E R S M A N U A L

O P U S 3 2 0



OPUS 320

Owners Manual Opus 320

Explanation of the numbers:

- | | |
|---------------------------------|------------------------------------|
| 1, Serial Number plate, | 18, Expression pedal Swell, |
| 2, Memory lock, | 19, Expression pedal Great, |
| 3, Light control stop lamps, | 20, Pedal, |
| 4, Stops Pedal, | 21, Duplication general pistons, |
| 5, Stops Swell, | |
| 6, Great division, | 22, General memory pistons, |
| 7, Swell division, | 23, Memory bank switching, |
| 8, Couplers & Tremulants, | 24, Separate memory pistons Swell, |
| 9, Indicator General Crescendo, | 25, Cancel accessories, |
| 10, Stops Great, | 26, Preset switch, |
| 11, Volume control carillon, | 27, Cancel piston, |
| 12, Transposer control, | 28, Separate memory piston Great, |
| 13, On/Off switch, | 29, Manual Pedal Bass, |
| 14, Chorus control, | 30, Separate memory pistons Pedal, |
| 15, Cathedral control, | 31, Set piston, |
| 16, Tutti piston, | |
| 17, General Crescendo pedal, | |

Preset,	Pedal,	Great,	Swell,
PP	Subbass 16'	Stopped Flute 8'	Rohrflöte 8'
+			
P	Gedackt 8'	Open Flute 4'	Coppelflute 4'
+			
MF	Principal 8'	Diapason 8'	Diapason 8'
		Gamba 8'	Octave 4'
+		Octave 4'	
F	Octave 4'	Nazard 2 2/3'	Flute Twelfth 2 2/3'
	Trumpet 8'	Octave 2'	Flute 2'
+		Trumpet 8'	Cromorne 8'
FF	Double Bass 16'	Principal 8'	Sesquialter II rks
		Mixture IV rks	Fagotto 16'
+			Vox Humana 8'
T	Mixture V rks	Diapason 16'	Bourdon 16'
	Contra Trumpet 16'	Trumpet 16'	Rauschpfeife IV rks
	Trumpet 4'	Clarion 4'	Schalmei 4'
	Great to Pedal	Swell to Great	
	Swell to Pedal		

INTRODUCTION:

You are now the proud owner of an original JOHANNUS organ, an instrument with a well chosen and splendidly balanced selection of stops, making a great variety of sound combinations possible.

This Manual will assist you in making use of the almost unlimited possibilities offered by this JOHANNUS OPUS 320.

The manual provides complete technical specifications , together with a brief discussion of registration.

Please spend a few minutes reading this important information then experience the exciting potential of your new JOHANNUS organ.

ON/OFF SWITCH:

This switch lighth up when the organ is switched on. It is important that the organ is wired to the mains plug in the correct manner and that the voltage is compatible with the details given on the serial number plate.

The amplifiers will switch on appoximately 2 seconds after the organ is switched on.

HAND STOPS:

Having set the Hand Registration (HR) piston, you can combine stops to your particular choosing.

PRESETS:

JOHANNUS organs are equipped with the ability to change registrations rapidly by adding or excluding serveral stops at a time. The designer has pre-selected six beautiful registrations to be secured in the organ, these are referred to as the "Presets".

These pistons are located in the center of the panel immeddiately below the lower manual.

They are set from left to right with registrations from soft to full volume.

These registrations are beautiful and offer many possibilities; however, do not let these six handy pistons keep you from experimenting with new combinations.

Develop your own style of sound patterns for the selections you play. The presets will help acquanint yourself with your new organ. (You might wish to determine for yourself what combination of stops the designer has selected for your organ.)

REEDS-OFF:

With the reeds-off (RO) piston you are able, at any time, to switch the Reed voices ON or OFF.

This RO piston also works on the presets.

Note: Should you select a Trumpet stop and there is no result, the RO piston may be in the OFF setting.

ACCESSORIES:

The couplers.

- Swell to Great. Couples the upper manual (Swell) to the middle manual (Great), so that all registrations of the swell can be played on the great manual.
- Great to Pedal. Couples the middle manual (Great) to the Pedal ,so that all the registrations on the Great can be played on the Pedal.
- Swell to pedal. Couples the upper manual (Swell) to the Pedal and gives the same effect as the Great to Pedal , as deccribed above
- Manual Pedal Bass. This feature allows you to play Pedal notes with the left hand, i.e. the lowerst note of a chord being played on the Great manual (below middle C) will sound on the Pedals.
- Tremulants. Each manual has separate tremulant control within the accessory division.
If the manuals are coupled to the pedal the tremulants will still operate on the appropriate registers.

CATHEDRAL CONTROL:

This reverberation system is especially designed for the JOHANNUS organ. The system re-creates acoustic properties associated with the resonance of large buildings and aims to give as wide a level and range of resonance as possible to enhance the tonal quality of sound produced from the organ.

To operate, turn the knob marked "Cathedral" and adjust the rotary control to the desired level

Note: When the "Cathedral" knob is first turned On there is a short/rapid echo response, clearly audible for 2-3 seconds.

THIS IS NORMAL and indicates that the system is becoming operational.

CHORUS CONTROL:

The Chorus Control expands the multi generator system incorporated in every JOHANNUS organ which gives the unique rich and varied tone associated, and set, as follows.

Depress the "T" (tutti) button, hold a major chord of "G" with the right hand and turn the rotary control marked "chorus" with the left hand to the desired level.

This setting is then correct for all combinations and registrations, and need not be further adjusted.

USE OF THE EXPANDED CAPTURE SYSTEM:

In addition to the six (6) factory Presets, the JOHANNUS organ Opus 320 is equipped with a memory system in which 16 general combinations plus 8 separate combinations per Division of registrations can be programmed by the organist.

These stored registrations can be changed as desired and called on any time.

The general combinations are divided into two (2) independent memories, identified by pistons M I and M II .

Each of these will store eighth (8) combinations by using the eight (8) pistons located under manual II.

The general combinations are duplicated with the toe-studs.

The separate combinations are for each division.

Each of these will store eighth (8) combinations by using the eight (8) pistons located under each manual.

For the pedal division, pistons are located under the left side of manual I.

In order to preserve registrations once chosen and stored, the entire system is provided with a removeable key.

Programming and/or changing registrations is only possible by inserting this key and turning it clockwise.

The following procedure MUST be followed when programming individual memories in the complete capture system:

1. Choose the first registration to be stored by manually registering the desired combination.
2. Press piston M I (only necessary for general combinations)
3. Press piston "SET" , keep this piston depressed while simultaneously depressing piston 1.
This registration chosen by you will be stored when you release both pistons.
4. Choose the next registration and repeat the procedure; however, using piston 2 rather than piston 1.
You continue in this manner through piston 8.

The same procedure should be followed for programming M II, depressing the M II piston rather than M I.

To use a particular registration: depress the related piston to locate the desired memory (M I or M II).

Depress the relevant pistons (1 through 8).

By using the " CA " piston, the couplers and the tremulants are disconnected from the capture system.

Result: when using the capture system these accessory settings do not change.

All stops, except "chorus" and "cathedral", can be included in the capture system.

The intensity of the illumination of the stops is adjustable.

(stop tap models)

The "presets" and Reeds Off "RO" pistons will always function independently of the capture system.

GENERAL CRESCENDO:

The general crescendo pedal gives the possibility of adding voices with a pedal.

The depression of the pedal determines the number of stops which are turned ON.

The Led light indicator shows the position of the pedal.

EXPRESSION PEDALS:

We have separate expression pedals, one for the Great/Pedal division, one for the Swell division and one for the Choir division.

TRANSPOSER:

The transposer dial allows you to tune the organ from three (3) half-notes higher to three (3) half-notes lower.

CARE OF YOUR JOHANNUS ORGAN:

The cabinet and pedalboard should be cleaned with a soft polishing duster, using a small quantity of spray polish (or similar).

The bench should be cleaned with a polishing duster only.

SPRAY ONLY THE DUSTER, NEVER SPRAY DIRECTLY ON THE INSTRUMENT

DO NOT USE WAX OR ABRASIVE COMPOUNDS

The keyboards, registration tabs and name plates should be cleaned with a soft damp cloth or chamois leather.

NEVER SPRAY WATER OR POLISH DIRECTLY ON THESE PARTS

REGISTRATIONS:

Registrations are essential to the art of organ playing. You are able to make countless combinations of the JOHANNUS organ's spectrum of voices. This is a vital part of the excitement that owning and playing a JOHANNUS will bring you. Sometimes selecting registrations is not as easy as it appears. However, practice and experimentation will provide you with many exciting options.

As there is no unification in the JOHANNUS, the independent sound structure of each stop enables you to choose the desired combinations of stops for each piece you play.

You may use as a basic rule, that footages which are multiples of each other blend very well together. For example, an 8' with a 4'.

You may also wish to choose the so called "mutation stops", such as the Cornet or Sesquialter, which are intended to be used in combinations with other stops in order to achieve well-balanced sounds.

TONE GENERATORS:

There are 14 sets of tone generators in your organ; seven of which are used for manual I, five for manual II, with at least two for the pedal division.

When you play manual II using the couplers, and select stops from both manuals and the pedal, you are using all the generator sets and experiencing the full potential of sound your organ can produce.

For instance, put all couplers on; select the diapason 8' and octave 4' of the great and the diapason 8' and octave 4' of the swell division, take on the pedal the 16' flute and 8' principal. Now when you play on the great manual you are using all the generator sets.

In other words, you are making the maximum use of the generator sets. It is important to remember that even when using one single stop, you are still using two generator sets.

When you find a combination of stops that particularly appeals to you, make note of stops used in order to access the same registration for future use or to program into your capture system.

EXTENSIONS:

Your JOHANNUS organ can be enhanced with a JOHANNUS 4-channel acoustic system. You will find a standard output plug connection located at the back of the organ for this unit.

This unit enables you to receive a special cathedral effect from your organ.

The 8-pin sockets are designed for the external loudspeaker system.

REGISTRATIONS:

Registrations are essential to the art of organ playing.

You are able to make countless combinations of the JOHANNUS organ's spectrum of voices.

This is a vital part of the excitement that owning and playing a JOHANNUS will bring you.

Sometimes selecting registrations is not as easy as it appears. However, practice and experimentation will provide you with many exciting options.

As there is no unification in the JOHANNUS, the independent sound structure of each stop enables you to choose the desired combinations of stops for each piece you play.

You may use as a basic rule, that footages which are multiples of each other blend very well together. For example, an 8' with a 4'.

You may also wish to choose the so called "mutation stops", such as the Cornet or Sesquialter, which are intended to be used in combinations with other stops in order to achieve well-balanced sounds.

TONE GENERATORS:

There are 14 sets of tone generators in your organ; seven of which are used for manual I, five for manual II, with at least two for the pedal division.

When you play manual II using the couplers, and select stops from both manuals and the pedal, you are using all the generator sets and experiencing the full potential of sound your organ can produce.

For instance, put all couplers on; select the diapason 8' and octave 4' of the great and the diapason 8' and octave 4' of the swell division, take on the pedal the 16' flute and 8' principal.

Now when you play on the great manual you are using all the generator sets.

In other words, you are making the maximum use of the generator sets.

It is important to remember that even when using one single stop, you are still using two generator sets.

When you find a combination of stops that particularly appeals to you, make note of stops used in order to access the same registration for future use or to program into your capture system.

EXTENSIONS:

Your JOHANNUS organ can be enhanced with a JOHANNUS 4-channel acoustic system.

You will find a standard output plug connection located at the back of the organ for this unit.

This unit enables you to receive a special cathedral effect from your organ.

The 8-pin sockets are designed for the external loudspeaker system.

REGISTRATION EXAMPLES: OPUS 320

A-D, Romantic celeste & string combinations

E-H, Using mutations to create solo colors with various accompaniments

I-L, Using reeds

M-P, Building foundations

P
E
D
A
L

S
W
E
L
L

G
R
E
A
T

C
O
U
P
L
E
R
S

		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Double Bass	16'												o					
Subbass	16'	o	o	o	o	o	o	o	o	o	o	.	.	o	o	o	o	
Principal	8'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gedackt	8'	.	.	.	o	.	o	.	.	.	.	o	.	o	o	.	o
Octave	4'	.	.	.	.	.	.	.	.	.	.	o	.	.	.	.	o
Mixture	V rks	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	o
Bombarde	32'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	o
Contra Trumpet	16'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Trumpet	8'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Trumpet	4'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Bourdon	16'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Diapason	8'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Salicional	8'	o	.	o	o	.	o	.	.	.	o	.	.	o	o	o	o	
Celeste	8'	o	.	o	o	.	o	.	.	.	o	.	.	o	o	o	o	
Rohrflöte	8'	.	.	.	.	o	.	o	o	.	o	.	.	.	o	o	o
Octave	4'	.	.	o	.	.	.	.	.	.	.	o	.	.	o	o	o
Kopfflöte	4'	.	.	.	.	o	.	o	.	.	.	.	.	.	.	.	o
Flute Twelfth 2 2/3'		.	.	.	.	.	.	.	.	.	.	.	.	.	o	o	o
Flute	2'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	o	o
Tierce	1 3/5'	.	.	.	.	o	.	.	.	.	.	.	.	.	.	.	.
Sesquiltera	II rks	.	.	.	.	.	.	.	o	.	.	.	.	.	.	.	.
Rauschpfeife	IV rks	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Fagotto	16'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Cromorne	8'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Vox Humana	8'	.	o	.	.	.	.	.	.	o	.	.	o	.	.	o	o
Schalmei	4'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Diapason	16'	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Diapason	8'	o	.	.	.	o	.	.	.	.	.	.	.	.	.	.	o
Gamba	8'	.	.	.	o	.	o	.	.	.	.	.	.	o	o	o	o
Stopped Flute	8'	.	o	o	o	.	o	o	o	.	.	.	.	o	o	o	o
Unda Maris	8'	.	o	o	o	.	o	.	o	.	.	.	.	.	.	.	o
Octave	4'	.	.	.	.	.	.	.	.	.	.	.	.	.	o	o	o
Narzard	2 2/3'	.	.	.	.	.	.	.	o	.	.	o	.	.	.	o	o
Octave	2'	.	.	.	.	.	.	.	.	.	.	.	.	.	o	o	o
Cornet	IV rks	.	.	.	.	.	o	.	.	.	.	.	.	.	.	.	o
Mixture	V rks	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Trumpet	16'	.	.	.	.	.	.	.	.	.	o	.	.	.	.	.	o
Trumpet	8'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
Clarion	4'	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	o
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Swell to Great		.	.	o	o	o
Choir to Great		.	.	.	o	o	o	o	o
Swell to Choir		.	.	.	o	o
Choir to Pedal		o	.	.	o	o
Great to Pedal		.	o	o	o	o
Swell to Pedal		o	.	o	o	.	o	.	.	.	o	.	o	o	o	o	o	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Tremulant Choir		o	o	o	o	o	.	o	.	.	o	.	.	o	.	.	.	
Tremulant Great		o	.	.	o	.	o	.	o	.	o	.	.	.	.	.	.
Tremulant Swell		.	o	.	o	o	.	.	o	.	o	.	.	.	.	.	.

NOTE: Tremulants are always optional.

Technical Information Opus 320 A.G.O.

- Manual compass; C-C'''' (5 octaves).
- Pedalboard; C-g' (32-note AGO pedalboard)
- Touch; Church organ touch.
- Couplers; Complete set of inter-manual and pedal couplers
- Tremulants; Independant tremulant per manual
- Tone generation; Multi-generator system(14 generators)
- Amplification; 7 output amplifiers, 28 Watts each maximum.
- Voice reproduction; Separate 8-channel loudspeaker combination.
- Attack; The attack varies within the registers of the manuals.
- Chiff; The chiff is situated on the great and swell div.
- Chorus; The Johannus Chorus effect is externally adjustable.
- Cathedral; The Johannus cathedral effect is an overall reverberation of several channels, externally adjustable by a combined length/volume switch.
- Fixed combinations; PP-P-MF-F-FF-T
piston RO= Reeds off
piston HR=Hand registration
piston HR+ Allows you to join your own registration to the fixed combinations.
- Expression pedals; Expression pedal for Great and Pedal
Expression pedal for Swell
- Connection for; Johannus 4-channel acoustic system.
- Standard equipment deluxe console with rolltop fallboard.
- Standard design; dark oak or light oak.

Options.

- Capture system. (standard for U.S.A.)
- Drawknobs system.
- Carillon. (standard for U.S.A.)
- General Crescendo.
- Toe-studs for capture system.

Dimensions organ (cm)	Dimensions loudspeaker combination (cm)	Weight (Kg)
Height 135	Height 196	Organ 140
Lenght 174	Lenght 264	Bench 20
Depth 120	Depth 65	Pedal 40
		Loudspeaker combination 261

PEDAL		ACCESSORIES	
Double Bass	16'	Swell to Great	
Subbass	16'	Great to Pedal	
Principal	8'	Swell to Pedal	
Gedackt	8'	Tremulant Great	
Octave	4'	Tremulant Swell	
Mixture	V rks		
Bombarde	32'		
Contra Trumpet	16'		
Trumpet	8'		
Trumpet	4'		
GREAT		SWELL	
Diapason	16'	Bourdon	16'
Diapason	8'	Diapason	8'
Gamba	8'	Salicional	8'
Stopped Flute	8'	Celeste	8'
Unda Maris	8'	Rohrflute	8'
Octave	4'	Octave	4'
Open Flute	4'	Koppelflöte	4'
Narzard	2 2/3'	Flute Twelfth	2 2/3'
Octave	2'	Flute	2'
Cornet	IV rks	Tierce	1 3/5'
Mixture	IV rks	Sesquialter	II rks
Trumpet	16'	Rauschpfeife	IV rks
Trumpet	8'	Fagotto	16'
Clarion	4'	Cromorne	8'
Carillon		Vox Humana	8'
		Schalmei	4'