

11779

SPRING HILL PRESBYTERIAN CHURCH, MOBILE, ALABAMA

SPECIFICATIONS FOR SERIES 80-12 PLUS ORGAN
WITH GEMSHORN CELESTE

REVISED

Begin installation April 15, 1989

GENERAL

(1) ORGAN

Case	Special with facade - see layout
Wood & Finish	Mahogany & Birch - to customer's samples
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Custom design - movable - see drawing
Wood & Finish	Mahogany & Birch <i>Birch</i> - to customer's samples
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone/Walnut - 4 oz.
Pedal Compass	CCC to G, 32 notes
Stop Controls	Draw Knobs & Tilting Tablets - Walnut/ Maple
Action	All electric with under-key contacts

(3) BLOWER (in organ space)

Type	Ventus 602112 - 1 HP - 3360 RPM
Wind	620 CFM @ 4" - 7" outlet
Current Specification	3 Phase 60 Cycles 208 Volts 4 Amperes
Overall Size	1'-7 1/4" wide x 1'-11 1/4" long x 1'-9" high

(4) POWER UNIT (in organ space)

Rating	DC output - 11-15 Volts - 50 Amperes
AC Input	1 Phase 60 Cycles 120 Volts 9.5 Amperes
Overall Size	13-3/4" wide x 11" deep x 6" high

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CONSOLE AND ORGANGREAT ORGAN (Unenclosed) 10

1	16	Bourdon.....	97	pipes
2	8	Principal.....	85	pipes
3	8	Gedeckt.....from #1.....	61	notes
4	4	Octave.....	61	pipes
5	4	Koppelflote.....	61	pipes
6	2	Super Octave..from #2.....	61	notes
7	2	Flute.....from #1.....	61	notes
8	II	Sesquialtera TC.....	98	pipes
9	III-IV	Mixture.....	208	pipes

GREAT ORGAN - continued

10	8	Trompette.....from #23.....61 notes
11		Chimes....Mayland bells, action, transformer, relays & volume control, G to G, #20-44.....25 bells
12		Tremolo

SWELL ORGAN (Enclosed)

13	8	Spitzprincipal..from #14, 15, & 17.....61 notes
14	8	Rohrflote.....80 pipes
15	8	Gemshorn.....80 pipes
16	8	Gemshorn Celeste TC.....49 pipes
17	4	Spitzoctave.....73 pipes
18	4	Rohrflote.....from #14.....61 notes
19	2-2/3	Nazard.....from #14.....61 notes
20	2	Principal.....from #17.....61 notes
21	1-1/3	Larigot.....from #15..(repeat top octave)...61 notes
22	1	Octave.....from #17..(repeat top octave)...61 notes
23	16	Contre Trompette.....85 pipes
24	8	Trompette.....from #23.....61 notes
25	4	Clairon.....from #23.....61 notes
26		Tremolo
*27	16	Festival Trumpet TC...from #28.....49 notes
*28	8	Festival Trumpet.....61 pipes
25a.		Zimbelstern (by tilting tablet)5 bells

* Not affected by couplers (by draw knob in Great)

PEDAL ORGAN

29	32	Resultant.....Unison & quint from #1.....32 notes
**30	16	Contre Bass.....80 pipes
31	16	Bourdon.....from #1.....32 notes
32	8	Principal.....from #30.....32 notes
33	8	Bourdon.....from #1.....32 notes
34	4	Choral Bass...from #30.....32 notes
35	4	Flute.....from #1.....32 notes
36	III	Mixture.....from #30.....32 notes
37	32	Reed Cornet...from #14 & 23.....32 notes
38	16	Contre Trompette...from #23.....32 notes
39	8	Trompette.....from #23.....32 notes
40	4	Clairon.....from #23.....32 notes

** In facade as practical

COUPLERS

41	Great to Pedal
42	Swell to Pedal
43	Swell to Great
44	Swell to Great 4
45	Great to Swell
46	Great Unison Off
47	Swell Unison Off
48	Swell 4

ADJUSTABLE COMBINATIONS Solid State - Four Memories

Pistons No. 1-2-3-4-5-6-7-8	Affecting Great
Pistons No. 1-2-3-4-5-6-7-8	Affecting Swell
Toe Studs No. 1-2-3-4-5-6-7-8	Affecting Pedal
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Full Organ
General Cancel	(duplicated by toe studs)
Combination Adjustor	
Memory Selector	
Combination Lock (A open, key lock for B-C-D)	

REVERSIBLES

manual piston and
 Tutti [^] toe stud with indicator light (red jewel)
 Great to Pedal - toe stud
 Swell to Pedal - toe stud
 32 Resultant - toe stud
 32 Reed Cornet - toe stud
~~Zimbelstern - toe stud~~ *manual piston toe stud*

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
 Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Concave, radiating pedal clavier
 Organ bench with music shelf and adjustment blocks
 Transparent music rack with light
 Pedal light
 Signal button and light
 Motor and power unit on-off switch (lock type) with indicator light (amber jewel) and related electric wiring

RVK/k
 9/13/88

PIPE ANALYSIS

<u>STOP</u>	<u>PITCH</u>	<u>PIPES</u>	<u>SCALE</u>	<u>HALVING</u>	<u>MOUTH</u>	<u>REMARKS</u>	<u>W.P.</u>
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GREAT ORGAN (Unenclosed)

Bourdon	16	97	CCC Spec. Man. Bdn. TC 68	21	2/9	Wood CM	#1- 12 #13 up	4-1/2" 3-1/2"
Principal	8	85	43/55/67/80/93	17	1/4	12 Zinc SM	#1-10 #11 up	4-1/2" 3-1/2"
Octave	4	61	58 57	18	1/4	SM		3-1/2"

PIPE ANALYSIS

STOP _____ PITCH PIPES SCALE HALVING MOUTH REMARKS _____ W.P.

GREAT ORGAN - continued

Koppelflote	4	61	55/64	17	2/9 LTT 12 Zinc SM	3-1/2"
Sesquialtera TC II		98	See formula		SM	3-1/2"
Mixture	III-IV	208	See formula		SM	3-1/2"

SWELL ORGAN (Enclosed)

Rohrflote	8	80	56	21	2/9	12 Zinc CM	3-1/2" ^{#1-4 4 1/2"}
						Sm. I. S. Chimneys #19-62	^{#5 up 3 1/2"}
Gemshorn	8	80	CC 56	19	2/9	12 Zinc SM	3-1/2" ^{#1-12 4 1/2"}
			C 68-1/2	19	2/9		^{#13 up 3 1/2"}
			#56 98	17	1/6		
Gemshorn Celeste 8 TC	49	CC 56-1/2	19	2/9	SM		3-1/2"
Spitzoctave	4	73 ⁷³	60-2/3	18	1/4	CM	3-1/2"
Contre Trompette 16	85	3" CCC to FF half length				C(F) Esch.	3-1/2" ^{#1-12 4 1/2"}
		FF# up full length				Zinc & SM	^{#13 up 3 1/2"}
Festival Trumpet 8	61	^{3 1/2"} 4" Reg.	Har. @ 1' F#			C(F) Esch.	4-1/2" ^{6 3/4"}
						Zinc & SM	
						Bronze	

PEDAL ORGAN

Contre Bass	16	80	33/44	17	1/4	24 ^{#1-27 4 1/2"} Zinc SM	3-1/2" ^{#27 #28 up 3 1/2"}
(In facade as practical)							

GREAT II SESQUIALTERA TC FORMULA

12	10
17	12
13-56	57-61

2-2/3	74 Sc. @ #13	17-1/2	2/9 mouth	SM
1-3/5	82 Sc. @ #13	17-1/2	1/5 mouth	SM

GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12	12
26	22	19	15	15	15	
29	26	22	19	19		
	29	26	22			
1-12	13-18	19-30	31-49	50-54	55-56	57-61

Unison	47 Sc.	18-1/2	1/4 mouth	SM
Quint	50 Sc.	18-1/2	1/4 mouth	SM

PIPE ANALYSISSTOP-----PITCH PIPES SCALE HALVING MOUTH REMARKS-----32 RESULTANT WIRING SCHEME

#1-12 play 16 Bourdon #1-12

#1-12 play 16 Bourdon #8-19

#13-32 play 16 Bourdon #1-20

32 REED CORNET WIRING SCHEME

6-2/5 #1-12 play 8 Rohrflote #5-16

4-4/7 #1-12 play 8 Rohrflote #11-22

3-5/9 #1-12 play 8 Rohrflote #15-26

#13-32 play 16 Contre Trompette #1-20

DMG/k

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