

SPECIFICATIONS FOR SERIES 80-12+ ORGAN - REVISED
To Be Completed July 1, 1987

2/13

GENERAL

- (1) ORGAN
- Great Organ, Divided & Exposed, Provided Enclosures
Swell Organ, Silvite Cabinet, Paint Charcoal Brown
Cabinet One (1) Required Chamber Installation, Layout will be Provided
Wood & Finish Great Enclosures Rift Sawn Oak, To Customer's Sample
Action Electro-Pneumatic (unit type)
Wind Pressure See Pipe Analysis
Pitch A-440 @ 70oF
- (2) CONSOLE
- Cabinet Standard Design (Series 80-U)
Wood & Finish Rift Sawn Oak, To Customer's Sample
Manuals Two and Pedal
Manual Compass CC to C4, 61 notes
Pedal Compass CCC to G, 32 notes
Stop Controls Tilting Tablets
Action All electric with under-key contracts
- (3) BLOWER (detached below Swell Organ)
- Type Ventus 611412 - .75 HP - 3360 RPM
Wind 440 c.f.m. @ 4" - 6" Outlet
Current Specification 3 Phase - 60 Cycles 208 Volts - Approx
4 Amperes
Overall Size 1'-9 1/2" x 1'-5 3/4" x 1'-8 1/2" High
- (4) POWER UNIT (Mounted in right organ space)
- Rating DC Output: 10-15 Volts, 30 Amperes
AC Input 1 Phase-60 Cycles-120 Volts-10 Amperes
Overall Size 16-3/4" long x 11" wide x 7-1/4" high

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CONSOLE AND ORGANGREAT ORGAN - Exposed

1.	8	Principal.....	85 pipes
2.	8	Gedeckt.....	85 pipes
3.	8	Gemshorn.....from #13.....	61 notes
4.	4	Octave.....from #1.....	61 notes
5.	4	Spillflote.....from #2.....	61 notes
6.	2	Super Octave.....from #1.....	61 notes
7.	2	Blockflote.....from #2.....	61 notes
8.	II Rks.	Sesquialtera TC.....	98 pipes
9.	III-IV Rks.	Mixture.....	208 pipes

GREAT ORGAN (continued)

10. Chimes.....Mayland bells, action, relay, trans-
former and volume contral, A - F, #22 - 42..... 21 bells
11. Tremolo

SWELL ORGAN - Enclosed

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|-----|-------|---|----------|
| 12. | 8 | Rohrflote..... | 73 pipes |
| 13. | 8 | Gemshorn..... | 80 pipes |
| 14. | 8 | Gemshorn Celeste TC..... | 49 pipes |
| 15. | 4 | Spitzprincipal..... | 73 pipes |
| 16. | 4 | Waldflotefrom #12..... | 61 notes |
| 17. | 2 | Octavin.....from #15..... | 61 notes |
| 18. | 1 1/3 | Larigot.....from #13 (repeat top octave). | 61 notes |
| 19. | 1 | Zimbel.....from #15 (repeat top octave). | 61 notes |
| 20. | 16 | Contre Trompette..... | 85 pipes |
| 21. | 8 | Trompette.....from #21..... | 61 notes |
| 22. | 4 | Clairon.....from #21..... | 61 notes |
| 23. | | Tremolo | |

PEDAL ORGAN - Unenclosed

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|-----|----|---|----------|
| 24. | 32 | Untersatz.....see wiring schematic..... | 32 notes |
| 25. | 16 | Principal.....12 pipes, 20 from #1..... | 32 notes |
| 26. | 16 | Subbass.....12 pipes, 20 from #2..... | 32 notes |
| 27. | 8 | Principal.....from #1..... | 32 notes |
| 28. | 8 | Rohrflote.....from #12..... | 32 notes |
| 29. | 4 | Octave.....from #1..... | 32 notes |
| 30. | 32 | Reed Cornet.....see wiring schematic..... | 32 notes |
| 31. | 16 | Contre Trompette...from #21..... | 32 notes |
| 32. | 4 | Clairon.....from #21..... | 32 notes |

COUPLERS

33. Great to Pedal
34. Swell to Pedal
35. Swell to Great

ADJUSTABLE COMBINATIONS - Solid State

Pistons No. 1-2-3-4-5

General Cancel

Affecting Full Organ

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

Transparent music rack with light

Pedal light

ACCESSORIES (continued)

Motor and power unit on-off switch (lock type) with indicator light
(amber jewel) and related electrical wiring
Blower enclosure
Legs and bearers

AEN/ceh

5/25/87

SPECIFICATIONS FOR SERIES 80-12+ ORGAN - Revised

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.	
<u>GREAT ORGAN</u> - Exposed								
Gedeckt	8	85	54	21-1/2	2/9	SM	3-1/2"	
Principal	8	85	43	17-1/2	1/4	12 Zinc SM	3-1/2"	
Sesquialtera	II	98	See Formula Below				3-1/2"	
Mixture	III-IV	208	See Formula Below				3-1/2"	
<u>SWELL ORGAN</u> - Enclosed								
Rohrflote	8	73	56	21-1/2	2/9	17 Zinc CM	3-1/2"	
				SM. I. S. Chimneys #19-62				
				Pull in 8 scales between #62 & 73				
Gemshorn	8	80	CC 56	19-1/2	2/9	12 Zinc SM	3-1/2"	
			C 68-1/2	19-1/2	2/9			
			#56 98	17-1/2	1/6			
				Pull in 12 scales between #69 & 80				
Gemshorn Celeste TC	8	49	56-1/2@CC	19-1/2	2/9	SM	3-1/2"	
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	CM	3-1/2"	
Contre Trompette	16	85	3" CCC to FF half length			D(F) Eschallots	3-1/2"	
			FF# up full length			Zinc & SM		
<u>PEDAL ORGAN</u>								
Principal	16	12	33/43	17-1/2	1/4	12 Zinc	3-1/2"	
Subbass	16	12	Spec. Man. Bdn.			Wood	3-1/2"	

GREAT II SESQUIALTERA TC FORMULA

12	10
17	12

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13-56	57-61

2-2/3 74 Sc. @ #13 17-1/2 2/9 mouth SM (Pull in 6 scale between #50-61)

1-3/5 82 Sc. @ #13 17-1/2 1/5 mouth SM (Pull in 6 scale between #45-56, break at #57)

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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.	17-1/2	1/4 mouth	S.M.		
Quint	50 Sc.	17-1/2	1/4 mouth	S.M.		

32 UNTERSATZ WIRING SCHEMATIC

Notes #1-12 plays Pedal 16 Subbass #1-12

Notes #1-12 plays Pedal 16 Subbass #8-12 and Great 8 Gedeckt #1-7

Notes #13-32 plays Pedal 16 Subbass #1-12 and Great 8 Gedeckt #1-8

32 REED CORNET WIRING SCHEMATIC

6-2/5 notes #1-12 plays Swell 8 Rohrflote #5-16

4-4/7 notes #1-12 plays Swell 8 Rohrflote #11-22

3-5/9 notes #1-12 plays Swell 8 Rohrflote #15-26

Notes #13-32 plays Swell 16 Contre Trompette #1-20

AEN/ceh

5/25/87