

11802 ST. JOHN'S LUTHERAN CHURCH, WAUKESHA, WISCONSIN

SPECIFICATIONS FOR SERIES 80-12 SPECIAL ORGAN

REVISED

2/4 1990

GENERAL

(1) ORGAN

Cabinet-2 required	Standard Design
Wood & Finish	Rift Sawn Oak - To Customer's Sample
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Standard Design - Rolltop
Wood & Finish	Rift Sawn Oak - To Customer's Sample
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone/Walnut Tracker Touch
Pedal Compass	CCC to G, 32 notes
Stop Controls	Tilting Tablets - Maple
Action	All electric with under-key contacts

(3) BLOWER (detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	400 CFM @ 4" - 6" outlet
Current Specification	1 Phase, 60 Cycles, 120 Volts, 4.6 Amperes
Overall Size	1'-5 3/4" wide x 1-9 1/2" long x 1'-7 1/2" high

(4) POWER UNIT (mounted in swell organ cabinet)

Rating	DC output - 11-15 Volts - 20 Amperes
AC Input	1 Phase, 60 Cycles, 120 Volts, 4.5 Amperes
Overall Size	9" wide x 10-1/2" deep x 5" high

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CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

1.	16	Bourdon.....	97 pipes
* 2.	8	Principal.....	85 pipes
3.	8	Gedeckt.....from #1.....	61 notes
4.	8	Gemshorn.....from #15.....	61 notes
5.	8	Gemshorn Celeste.....	Swell preparation
6.	4	Octave.....	61 pipes
7.	4	Gedeckt.....from #1.....	61 notes

GREAT ORGAN (Continued)

8.	2	Super Octave.from #2.....	61 notes
9.	2	Flute.....from #1.....	61 notes
10.	III-IV	Mixture.....	224 pipes
11.	8	Trompette....from #23.....	61 notes
12.		Chimes.....prepared for in console only	
13.		Tremolo	

* #1-14 Exposed

SWELL ORGAN (Enclosed)

14.	8	Rohrflote.....	73 pipes
15.	8	Gemshorn.....	80 pipes
16.	8	Gemshorn Celeste TC....	prepared for in console only
17.	4	Spitzprincipal.....	73 pipes
18.	4	Rohrflote....from #14.....	61 notes
19.	2-2/3	Rohr Nasat...from #14 (repeat top octave)....	61 notes
20.	2	Spitzoctave..from #17.....	61 notes
21.	1-1/3	Larigot.....from #15 (repeat top octave)....	61 notes
22.	1	Klein 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	

PEDAL ORGAN

27.	16	Bourdon.....from #1.....	32 notes
28.	8	Principal....from #2.....	32 notes
29.	8	Rohrflote....from #14.....	32 notes
30.	4	Octave.....from #2.....	32 notes
31.	4	Gedeckt.....from #1.....	32 notes
32.	III	Mixture.....from #10.....	32 notes
33.	16	Contre Trompette...from #23.....	32 notes
34.	4	Clairon.....from #23.....	32 notes

COUPLERS

35.	Great to Pedal
36.	Swell to Pedal
37.	Swell to Great

COMBINATION ACTION

Solid State - Single Memory

Pistons No. 1-2-3-4-5-6-7

Affecting Full Organ

General Cancel

Combination Adjustor

Combination Lock

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, make to close)
 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
 Motor and power unit on-off switch (lock type) with indicator light
 (amber jewel) and related electric wiring

GENERAL

Paneling for Exposed chests

PEF/jm
 10-10-89

PIPE ANALYSIS

STOP	CODE	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.
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GREAT ORGAN - Enclosed

Bourdon	1BD	16	97 CCC Reg. Man. Bdn.			Wood	#1-16 #17 up	4-1/2" 3-1/2"
Principal (#1-14 Exposed)	1RB	8	85	43	17	1/4	¹⁻¹⁴ 1-12 Zinc SM #1- 12 14 ¹⁵ # 13 up	4-1/2" 3-1/2"
Octave	1XX	4	61	56	17	1/4	SM	3-1/2"
Mixture	1NV	III-IV	224	See Formula				

SWELL ORGAN - Enclosed

Rohrflote	3RG	8	73					
			#1-44	56	21	2/9	#1-12 Wood Art. Tapered	
					13-44	No. 2	O.S. Chimneys	
			Blockflote	from #45	up	68-2/3	@ 2'	
				18		2/9	Zinc SM	3-1/2"

PIPE ANALYSIS

STOP	CODE	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.
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SWELL ORGAN (Continued)

Gemshorn	3ER	8	80	CC 56	19	2/9 12	Zinc SM	3-1/2"
				C 68-1/2	19	2/9		
				#56 98	17	1/6		
Spitzprincipal	3ZZ	4	73	60-2/3	18	1/4	CM	3-1/2"
Contre Trompette	3T7	16	85	3" CCC to FF 1/2 length			Zinc & SM	
				FF# up full length			C(F) Esch.	3-1/2"

GREAT III-IV MIXTURE FORMULA

	19	15	12	8	1
	22	19	15	12	8
	26	22	19	15	12
		26	22	19	15
	1-20	21-32	33-44	45-48	49-61
Unison	48 Sc. @ 8'	17-1/2	1/4 mouth	SM	
Quint	48 Sc. @ 8'	17-1/2	1/4 mouth	SM	

DLA/jm
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