

11754 CONGREGATIONAL UNITED CHURCH OF CHRIST, ARMADA, MICHIGAN
 SPECIFICATIONS FOR SERIES 80-8+ ORGAN
 TO BE COMPLETED SEPTEMBER 1, 1987

219

GENERAL

(1) ORGAN

Cabinet & Enclosure	Great - Unenclosed with facade - Provide paneling
Wood & Finish	Swell - New Style cabinet
Action	Rift-sawn oak, to customer's sample
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70° F

(2) CONSOLE

Cabinet	Standard Design (80-U) with special moulding
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 contacts

(3) BLOWER (mounted below Organ)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	340 c.f.m. @ 4" - 6" outlet
Current Specification	1 Phase - 60 cycles - 120 Volts - 6.6 Amperes
Overall Size	1'-9 1/2" x 1'-5 3/4" x 1'-8 1/2" high

(4) POWER UNIT (mounted below Organ)

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 ORGAN

GREAT ORGAN - Unenclosed

1	8	Principal -----	85 pipes
2	8	Gedeckt -----from #9 -----	61 notes
3	8	Gemshorn -----from #10 -----	61 notes
4	4	Octave -----from #1 -----	61 notes
5	4	Gedecktfloöte -----from #9 -----	61 notes
6	2	Super Octave -----from #1 -----	61 notes
7	III-IV	Mixture -----	208 pipes
8		Chimes -----(prepared for in console only)	

(*) #1-17 Facade

SWELL ORGAN - Enclosed

9	8	Gedeckt -----	85 pipes
10	8	Gemshorn -----	80 pipes
11	8	Gemshorn Celeste TC -----	49 pipes
12	4	Gedecktfloete -----from #9 -----	61 notes
13	4	Gemshorn -----from #10 -----	61 notes
14	2	Floete -----from #9 -----	61 notes
15	1-1/3	Larigot -----from #10 --(repeat top octave)-----	61 notes
16	1	Siffloete -----from #9 ---(repeat top octave)-----	61 notes
17	16	Contre Trompette -----	85 pipes
18	8	Trompette -----from #17 -----	61 notes
19	4	Clairon -----from #17 -----	61 notes
20		Tremolo	

PEDAL ORGAN

** 21	16	Principal -----12 pipes, 20 from #1 -----	32 notes
* 22	16	Bourdon -----12 pipes, 20 from #1 ^{#9} -----	32 notes
23	8	Principal -----from #1 -----	32 notes
24	8	Gedeckt -----from #9 -----	32 notes
25	4	Octave -----from #1 -----	32 notes
26	4	Gedecktfloete -----from #9 -----	32 notes
27	III	Mixture -----from #7 -----	32 notes
28	16	Contre Trompette -----from #17 -----	32 notes
29	8	Trompette -----from #17 -----	32 notes
30	4	Clairon -----from #17 -----	32 notes

(*) Unenclosed

(**) #5-7 Exposed, 9-12 Facade

COUPLERS

31	Great to Pedal
32	Swell to Pedal
33	Swell to Great

ADJUSTABLE COMBINATIONS

Solid State - Single Memory

Pistons No. 1-2-3-4
 General Cancel
 Combination adjustor
 Combination lock

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

AEN/a
 4/6/87

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESS
GREAT ORGAN - Unenclosed							
*Principal	8	85	43/55/67/80/93	17-1/2	1/4	17 Zinc S.M.	3-1/2
Mixture	III-IV	208	See Formula Below				3-1/2
SWELL ORGAN - Enclosed							
Gedeckt	8	85	CC to BB Reg. Art. Tapered Bass TC 68	21-1/2	2/9	Wood C.M. Sm. I.S. Chimneys #19-62 Pull in 8 scales between #62-73	3-1/2
Gemshorn	8	80	CC 56 C 68-1/2 #56 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	12 Zinc S.M. Pull in 12 scales between #69-80	3-1/2
Gemshorn Celeste	8 TC	49	56-1/2 @ CC	19-1/2	2/9	S.M.	3-1/2
Contre Trompette	16	85	3" CCC to FF half length FF# & up full length			D(F) Eschallots	3-1/2
PEDAL ORGAN							
**Principal	16	12	33/43	17-1/2	1/4	12 Zinc #1-8 #9 up	4-1/2 3-1/2
Bourdon	16	12	Reg. Man. Bourdon			Wood	4-1/2

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.		

- (*) #1-17 Facade
 (**) #5-7 Exposed, #9-12 Facade