

AR SERIES ORGAN
 EARMARK FOR
 #11559 FIRST EVANGELICAL FREE CHURCH, MINNEAPOLIS, MINNESOTA
 SPECIFICATIONS FOR A SERIES 70-9A ORGAN

2/12

GENERAL

(1) ORGAN

Great Organ	Exposed, provide enclosures <i>Special Grille</i>
Swell Organ	Standard design
	Layout will be supplied
Wood & Finish	Rift sawn oak M-4150-2
Action	Electro-pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design with roll top
Wood & Finish	Rift Sawn Oak M-4150-2
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

(3) BLOWER (located in blower space)

Type	2-P-2118 - 3/4 HP - 1750 RPM - 8" outlet
Wind	520 c.f.m. @ 4"
Current Specification	1 ph - 60 cy - 230 volts - 3.6 amperes
Overall Size	2' - 9 3/4" x 1' - 10 3/8" x 2' - 6 1/4"

(4) POWER UNIT (located in console)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 115 Volts - 10 Amperes
Overall Size	14-1/2" x 10-3/4" x 7" high

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon -----	97	pipes
2	8	Principal -----	73	pipes
3	8	Gedeckt -----	From #1 -----	61 notes
4	8	Gemshorn -----	from #13 -----	61 notes
5	4	Octave -----	from #2 -----	61 notes
6	4	Gedeckt -----	from #1 -----	61 notes
7	2	Flute -----	from #1 -----	61 notes
8	III-IV	Mixture -----	-----	183 pipes
9	8	Krummhorn -----	-----	61 pipes
10		Chimes -----	(prepared for in console only)	
11		Tremolo		

SWELL ORGAN (Enclosed)

12	8	Rohrflöte -----	73 pipes
13	8	Gemshorn -----	80 pipes
14	8	Gemshorn Celeste TC -----	49 pipes
15	4	Spitzprincipal -----	73 pipes
16	4	Rohrflöte -----from #12 -----	61 notes
17	2	Spitzoctave -----from #15 -----	61 notes
18	1-1/3	Larigot -----from #13 (repeat 12 top notes)-----	61 notes
19	16	Contre Trompette -----	80 pipes
20	8	Trompette -----from #19 -----	61 notes
21	4	Clairon -----from #19 (repeat 5 top notes),-----	61 notes
22		Tremolo	

PEDAL ORGAN

23	16	Principal -----12 pipes, 20 from #2 -----	32 notes
24	16	Bourdon -----from #1 -----	32 notes
25	8	Principal -----from #2 -----	32 notes
26	8	Gedeckt -----from #1 -----	32 notes
27	8	Gemshorn -----from #13 -----	32 notes
28	4	Octave -----from #2 -----	32 notes
29	III	Mixture -----from #8 -----	32 notes
30	16	Contre Trompette -----from #19 -----	32 notes
31	8	Trompette -----from #19 -----	32 notes
32	4	Krummhorn -----from #9 -----	32 notes

COUPLERS

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4	Affecting Great Organ
Pistons No. 1-2-3-4	Affecting Swell Organ
Pistons No. 1-2-3-4	Affecting Full Organ

PEDAL MOVEMENTS

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

ACCESSORIES

Motor and power unit on-off switch (toggle type) with indicator light (amber jewel)
 Concave, radiating pedal clavier
 Organ bench with music shelf
 Music rack
 Music rack light
 Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
GREAT ORGAN							
Bourdon	16	97	CCC to BBB Reg. Manual Bourdon			Wood	3-1/2"
Principal	8	73	48 CC 56 18-1/2	18-1/2	1/4	19 Zinc S.M.	3-1/2"
Mixture	III-IV	183	See Formula Below				
Krummhorn	8	61	.78" Brass tube			B(F) Eschallots	3-1/2"

SWELL ORGAN

Rohrflöte	8	73	56	21-1/2	2/9	Sm. O.S. Chimneys 19-62 18 Zinc C.M.	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	17 Zinc S.M.	3-1/2"
Gemshorn Celeste TC 8		49	56-1/2 @ 8' CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length D(F) Eschallots			Zinc & S.M.	3-1/2"

PEDAL ORGAN

Principal	16	12	36	18-1/2	1/4	Zinc	3-1/2"
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GREAT III-IV MIXTURE FORMULA

	15	12	12	12	12
	19	15	15	15	
	22	19	19		
		22			
	1-37	38-49	50-54	55-56	57-61
Unison	47 Sc.	17-1/2	1/4 mouth	S.M.	
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.	