

AR SERIES ORGAN
 BENCHMARK FOR
 #11502, NEW HOPE LUTHERAN CHURCH, SAND CREEK, WISCONSIN
 SPECIFICATIONS OF SERIES 70-8C ORGAN

2/11
GENERAL

(1) ORGAN

Great Organ	Exposed - provide enclosure
Swell Organ	Silvite cabinet without grille
	Layout will be supplied
Wood & Finish	
Great Organ	Rift Sawn Oak to customer's sample
Swell Organ	Charcoal Brown
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 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

(3) BLOWER (located with Swell organ)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	400 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 240 Volts - 3.6 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in console)

Rating	DC Output 10-15 Volts, 30 Amperes
Current Specification	1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	14-1/2" L x 10-3/4" W x 7" H

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CONSOLE AND ORGAN

GREAT ORGAN (exposed)

1	16	Bourdon -----	92 pipes
2	8	Principal -----	80 pipes
3	8	Gedeckt -----from #1 -----	61 notes
4	8	Gemshorn -----from #14 -----	61 notes
5	4	Octave -----from #2 -----	61 notes
6	4	Gedeckt -----from #1 -----	61 notes
7	2	Super Octave -----from #2--(repeat 5 top notes) -----	61 notes
8	2	Flute -----from #1--(repeat 5 top notes) -----	61 notes

(over)

GREAT ORGAN (exposed) (cont'd)

9	III-IV	Mixture-----	183 pipes
10	8	Trompette -----from #20 -----	61 notes
11		Chimes --- (prepared for in console only)	
12		Tremolo	

SWELL ORGAN (enclosed)

13	8	Rohrflöte -----	73 pipes
14	8	Gemshorn -----	80 pipes
15	8	Gemshorn Celeste T.C.-----	49 pipes
16	4	Spitzprinzipal-----	73 pipes
17	4	Rohrflöte -----from #13 -----	61 notes
18	2	Spitzoctav -----from #16-----	61 notes
19	1-1/3	Larigot -----from #14-- (repeat 12 top notes) -----	61 notes
20	16	Contre Trompette -----	80 pipes
21	8	Trompette ----- from #20-----	61 notes
22	4	Clairon -----from #20-- (repeat 5 top notes)-----	61 notes
23		Tremolo	

PEDAL ORGAN

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 #14 -----	32 notes
28	4	Octave -----from #2 -----	32 notes
29	4	Rohrflöte -----from #13 -----	32 notes
30	III	Mixture -----from #7 & 9 -----	32 notes
31	16	Contre Trompette ----from #20 -----	32 notes
32	8	Trompette -----from #20 -----	32 notes
33	4	Clairon -----from #20 -----	32 notes

COUPLER

34 Swell to Great

ADJUSTABLE COMBINATIONS

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

Affecting Full Organ (beneath Swell Center)

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIESMotor and power unit on-off switch (toggle type) with indicator light (amber jewel)
and related electrical wiring.

Concave and radiating pedal keyboard

Organ bench with music shelf

Music rack

Music rack light

Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	92	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC 68 CC56 ✓	21-1/2	2/9	Wood) Wood) S.M.)	3-1/2"
Principal	8	80	48	18-1/2	1/4	19 Zinc S.M.	3-1/2"
Mixture	III-IV	183	See Formula Below			S.M.	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"
Genshorn	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"
Genshorn Celeste	8 TC	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"

MIXTURE FORMULA

Great III-IV Mixture

	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.	