

AR SERIES ORGAN
 EARMARK FOR
 #11533, CHURCH OF ST. JAMES THE LESS, NORTHFIELD, ILLINOIS
 SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

2/4

GENERAL

(1) ORGAN

Great Organ	Exposed - provide enclosures
Swell Organ	Standard design
Wood & Finish	Rift Sawn Oak to customer's sample
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 near Gr. Organ)

Type	Kinetic 2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	440 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 220 Volts - 3.6 Amperes
Overall Size	2' - 5-3/4" 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 Specifications	AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	1' - 2-1/2" x 10-3/4" x 7"

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 #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
9	II	Sesquialtera TC-----	98 pipes
10	III-IV	Mixture-----	183 pipes
11	8	Trompette-----from #20-----	61 notes
12		Tremolo	

SWELL ORGAN (Enclosed)

13	8	Rohrflote-----	73 pipes
14	8	Gemshorn -----	80 pipes
15	8	Gemshorn Celeste TC-----	49 pipes
16	4	Spitzprinzipal -----	73 pipes
17	4	Rohrflote -----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	Spitzflote-----	56 pipes
27	8	Gemshorn-----from #14-----	32 notes
28	4	Octave -----from #2 -----	32 notes
29	4	Spitzflote-----from #26-----	32 notes
30	2	Spitzflote-----from #26-----	32 notes
31	III	Mixture-----from #9 -----	32 notes
32	16	Contre Trompette-----from #19 -----	32 notes
33	8	Trompette-----from #19 -----	32 notes
34	4	Clairon-----from #19-----	32 notes

COUPLER

35 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4	Affecting Great Organ
Pistons No. 1-2-3-4	Affecting Swell Organ
Toe Levers No. 1-2-3-4	Affecting Pedal Organ, at right
Pistons No. 1-2-3-4	General - Affecting Entire Organ, duplicated by toe levers, at left

General Cancel

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) and related 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	97	CCC to BBB Reg. Manual 56	21-1/2	Bourdon 2/9	Wood) 17 Zinc C.M.)	3-1/2"
Principal	8	73	48	18-1/2	1/4	17 Zinc S.M.	3-1/2"
Mixture	III-IV	183	See Formula Below				3-1/2"
Sesquialtera	II TC	98	See Formula Below				3-1/2"

SWELL ORGAN

Rohrflote	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	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"

PEDAL ORGAN

Spitzflote	8	56	48-3/4	17-1/2	1/4	17 Zinc S.M.	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.	

GREAT II SESQUIALTERA TC MIXTURE FORMULA

12	10
17	12
13-56	57-61

2-2/3 74 Sc. @ 13 17-1/2 2/9 mouth (Pull in 6 scales between 50-61)
 1-3/5 82 Sc. @ 13 17-1/2 1/5 mouth (Pull in 6 scales between 45-56, break at 57)