

AR SERIES ORGANS
 EARMARK FOR
 #11181 FIRST CONGREGATIONAL CHURCH, ROYAL OAK, MICHIGAN
 SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

2/14

GENERAL

(1) ORGAN

Great Organ	Exposed
Swell Organ	Standard Design
Wood & Finish	Rift Sawn Oak, to customer's sample
	Layout will be supplied
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design
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 (two required) located in
ORGAN blower spaces)

Type	Kinetic 2-P-1716 - 1/2 HP - 1750 RPM - 4" outlet
Wind	Great 220 c.f.m. @ 4", Swell 220 c.f.m. @ 4"
Current Specification	1 Ph - 60 Cy - 120 Volts - 7.2 Amperes
Overall Size	2' - 3-1/2" x 1' - 8" x 2' - 3" high

(4) POWER UNIT (mounted in console)

Rating	DC Output: 10-15 Volts, 30 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	1' - 2-1/2" long x 10 3/4" wide x 7" high

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	Viola Da Gamba --- 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	11	Sesquialtera T.C. -----	98 pipes
9	III-IV	Mixture -----	183 pipes
10	8	Trompette -----from #19 -----	61 notes
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Rohrflote -----	73 pipes
13	8	Viola Da Gamba -----	80 pipes
14	8	Viola Celeste TC -----	49 pipes
15	4	Spitzprincipal -----	73 pipes
16	4	Rohrflote -----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	Bourdon -----from #1 -----	32 notes
* 24	8	Principal -----	44 pipes
25	8	Gedeckt ----- from #1 -----	32 notes
26	8	Viola ----- from #13 -----	32 notes
27	4	Octave ----- from #24 -----	32 notes
28	4	Rohrflote ----- from #12 -----	32 notes
29	111	Mixture ----- from #9 -----	32 notes
30	16	Contre Trompette-- from #19 -----	32 notes
31	8	Trompette ----- from #19 -----	32 notes
32	4	Clairon ----- from #19 -----	32 notes

(*) Exposed

COUPLER

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, reverse system)
 Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

- Motor and power unit on-off switch (lock type) with indicator light (red 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

GREAT ORGAN

Bourdon	16	97	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC up Reg. Artiste Treble			Wood) Wood) Wood & S.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 S.M.	3-1/2"
Viola Da Gamba	8	80	CC 56 ^{NO CHIFF} 19-1/2 C 68 19-1/2 19-1/2 #56 98 20-1/2 17 1/2	2/9	2/9	17 Zinc S.M.	3-1/2"
Viola Celeste	8 TC	49	58 19-1/2 ^{NO CHIFF} CC 19-1/2	2/9	2/9	5 Zinc S.M.	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	5 Zinc C.M.	3-1/2"
Contre Trompette	16	80	2-1/2"	CCC to FF half length FF# & up full length		D(F) Eschallots Zinc & S.M.	3-1/2"

PEDAL ORGAN

Principal	8	44	44	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			
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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.

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GREAT II SESQUIALTERA T C MIXTURE FORMULA

$$\begin{array}{r} 12 \\ 17 \\ \hline 13-56 \end{array}$$

$$\begin{array}{r} 12 \\ 15 \\ \hline 57-61 \end{array}$$

2-2/3	68-3/4	18-1/2	2/9 mouth	S.M.
2	74	18-1/2	2/9 mouth	S.M.
1-3/5	75-2/3	18-1/2	1/5 mouth	S.M.

DOB/mr
7/29/76