

AR SERIES ORGAN
 EARMARK FOR
 #10910, ST. MATTHEW LUTHERAN CHURCH, BEL AIR, MD.
 212
 SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

GENERAL

(1) ORGAN

Great Organ	Exposed, Supply Enclosure
Swell Organ	Standard Series 70 with grille ornamentation
	Organ layout will be supplied.
Wood & Finish	To customer's sample <i>BRIGHT BRONZE WIRE CLOTH</i>
Fabric	Mellotone <i>Aluminum screen - Sprayed</i>
Action	Electro-Pneumatic (unit type)
Wind Pressure	Offsets 4-1/2", Trebles 3-1/2"
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Series 70 Design
Wood & Finish	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)

Type	Meidinger #1002 -.4 HP - 3360 RPM
Rating	280 c.f.m. @ 4" - 4" outlet
Current Specification	1 Ph - 60 Cy - 110 Volts - 4.4 Amperes
Overall Size	1' - 6-7/8" x 1' - 6-1/8" x 1' - 10-1/4" high

(4) POWER UNIT (One required, locate in Swell Organ)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 110 Volts - 10 Amps.
Overall Size	1' - 5-1/2" long x 1' - 1" wide x 8-1/2" 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	Genshorn.....from #13.....	61 notes
5	4	Octav.....from #2.....	61 notes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Flute.....from #1.....	61 notes
8	III	Mixture.....	183 pipes
9	II	Sesquialtera TC.....	98 pipes
10		Chimes.....prepared for in console only	
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Rohrflote.....	73 pipes
13	8	Genshorn.....	80 pipes
14	8	Genshorn Celeste TC.....	49 pipes
15	4	Spitzprincipal.....	73 pipes
16	4	Rohrflote.....from #12.....	61 notes
17	2	Spitzoctav.....from #15.....	61 notes
18	1-1/3	Larigot.....from #13..repeat 12 top notes.....	61 notes
19	8	Trompette.....	68 pipes
20	4	Clairon.....from #19..repeat 5 top notes	61 notes
21		Tremolo	

PEDAL ORGAN

22	16	Bourdon.....from #1.....	32 notes
23	8	Principal.....from #2.....	32 notes
24	8	Gedeckt.....from #1.....	32 notes
25	8	Genshorn.....from #13.....	32 notes
26	4	Octav.....from #2.....	32 notes
27	4	Rohrflote.....from #12.....	32 notes
28	III	Mixture.....from #8.....	32 notes
29	16	Contre Trompette.....12 pipes, 20 from #19.....	32 notes
30	8	Trompette.....from #19.....	32 notes
31	4	Clairon.....from #19.....	32 notes

COUPLER

32 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ, under Great manual, left

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.
Music rack light
Pedal light
Concave and radiating pedal keyboard
Organ bench with music shelf
Console manual keys regulated at 4 oz.
Pedal keys regulated at 4 Pds.
Building frame for Swell Organ with enclosure

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
<u>GREAT ORGAN</u>							
Bourdon	16	97	CCC to BBB	Reg. Manual Bourdon	Wood	)	1-16 ³ 4-1/2"
			CC to BB	Reg. Artiste Tapered Bass	Wood	)	17 up 3-1/2"
			TC	Reg. Artiste Trebles	Wood, SM	)	
Principal	8	73	CC ⁴⁸ 52	TC 60	18-1/2	1/4	12 Zinc S.M.) 1-12 ³ 4-1/2"
							13-17 Zinc & S.M.) 13 up 3-1/2"
							18 up S.M.)
Mixture	III	183	See Formula Below				3-1/2"
Sesquialtera TC	II	98	See Formula Below				3-1/2"
<u>SWELL ORGAN</u>							
Rohrflote	8	73	56	21-1/2	2/9	Sm O.S. Chimneys	
						12 Zinc, S.M.	3-1/2"
Genshorn	8	⁸⁰ 65	CC 54-1/3	17-1/2	2/9	12 Zinc S.M.)	3-1/2"
			#56 102-2/3	20-1/2	2/9	)	
Genshorn Celeste TC 8'		49	56-1/3	17-1/2	1/5	2-21 S.M.	3-1/2"
Spitzprincipal	4	73	60-3/4	18-1/2	1/4	S.M.	3-1/2"
Trompette	8	68	2"	CC to FF half length		Zinc & S.M.	3-1/2"
				FF# up full length			
				D(F) Eschallots			
<u>PEDAL ORGAN</u>							
Contre Trompette 16		12	CCC 2-1/2", CC 2" half length			D(F) Eschallots	
						Zinc & S.M.	3-1/2"

MIXTURE FORMULAS

GREAT III MIXTURE FORMULA

15	12	8
19	15	12
22	19	15
<u>1-42</u>	<u>43-48</u>	<u>49-61</u>

Unison 50 Sc. 18-1/2 1/4 mouth S.M.
 Quint 51 Sc. 18-1/2 1/4 mouth S.M.

ORGAN NO. 10910

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GREAT II SESQUIALTERA TC FORMULA

$$\begin{array}{r} 12 \\ 17 \\ \hline 13-52 \end{array}$$
$$\begin{array}{r} 12 \\ 15 \\ \hline 53-61 \end{array}$$

2-2/3'	68-2/3	20-1/2	2/9 mouth	S.M.
2'	74	20-1/2	2/9 mouth	S.M.
1-3/5'	75-1/2	20-1/2	1/5 mouth	S.M.

HWW/mr
1/11/73