

AR SERIES ORGAN
EARMARK FOR
#11114, BUCHANAN FIRST PRESBYTERIAN CHURCH, GRUNDY, VA.
SPECIFICATIONS FOR A SERIES 70-7B ORGAN

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GENERAL

(1) ORGAN

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

(2) CONSOLE

Cabinet	Standard Design, <i>revised</i>
Wood & Finish	Rift Sawn Oak, to customer's sample
Manual	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) BLOWERS (two required, located in organ cabinets)

Type	<i>Kmote 2-P 171/6 - 1/3 - 1750</i>
Rating	Weldinger 1002 - 5 HP - 3360 RPM
Current Specifications	<i>350</i> 200 c.f.m. @ 4" - 4" outlet
Overall Size	1 Ph - 60 Cy - 110 Volts - <i>5.2</i> Amperes 1' - 6-7/8" long x 1' - 6-1/2" wide x 1' - 10-1/4" high <i>2' - 5 1/2" 1' - 8" 2' - 1 1/8" high</i>

(4) POWER UNIT (located in console cabinet)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specifications	AC Input - 1 Ph - 60 Cy - 110 Volts - 10 Amperes
Overall Size	14-1/2" long x 10-3/4" wide x 7" high

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CONSOLE AND ORGAN

GREAT ORGAN

1	16	Bourdon.....	92 pipes
2	8	Principal	80 pipes
3	8	Gedeckt.....from #1.....	61 notes
4	8	Gemshorn.....from #13.....	61 notes
5	4	Octave	61 notes
6	4	Gedeckt	61 notes
7	2	Super Octave	61 notes
8	2	Flute	61 notes
9	II-III	Mixture	126 pipes
10		Chimes	(prepared for in console only)
11		Tremolo	

SWELL ORGAN

12	8	Spitzflöte.....(low octave from #13).....	73 pipes
13	8	Gemshorn	85 pipes
14	8	Gemshorn Celeste T.C.....	49 pipes
15	4	Spitzflöte.....from #12	61 notes
16	2	Spitzflöte	61 notes
17	1-1/3	Larigot.....from #13..(repeat 7 top notes).....	61 notes
18	16	Contre Trompette	85 pipes
19	8	Trompette.....from #18	61 notes
20	4	Clairon	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	Gemshorn.....from #13.....	32 notes
26	4	Octave	32 notes
27	4	Spitzflöte	32 notes
28	III	Mixture.....from #7 & 9	32 notes
29	16	Contre Trompette	32 notes
30	8	Trompette.....from #18.....	32 notes
31	4	Clairon.....from #18	32 notes

COUPLER

32 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, reverse system)

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
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GREAT ORGAN

Bourdon	16	92	CCC to BBB Reg. Manual Bourdon			Wood)	1-16 4-1/2"
			CC to BB Reg. Artiste Tapered Bass			Wood)	17 up 3-1/2"
			TC up Reg. Artiste Treble			Wood & S.M.)	
Principal	8	80	CC 52 TC 60	18-1/2	1/4	17 Zinc S.M.)	1-12 4-1/2"
						) 13 up	3-1/2"
Mixture	II-III	126	See Formula Below				3-1/2"

SWELL ORGAN

Spitzflote T.C.	8	73	60-2/3 @ 4' C		19-1/2	2/9 5 Zinc S.M.	3-1/2"
Gemshorn	8	85	CC 54	17-1/2		17 Zinc S.M.	
			C 66-1/3	17-1/2			3-1/2"
		#56	102-2/3	18-1/2	2/9		
Gemshorn Celeste T.C.	8	49	56-1/3 @ 8' C	17-1/2	2/9	5 Zinc S.M.	3-1/2"
Contre Trompette	16	85	2-1/2" CCC to FF half length				
			FF# up full length				
			D (F) Eschallots			Zinc & S.M.	3-1/2"

GREAT II-III MIXTURE FORMULA

19	12	12	12	15
22	19	19		
	22			
1-37	38-49	50-53	54-56	57-61
Unison 47 Sc.	17-1/2	1/4 mouth	S.M.	
Quint 49 Sc.	17-1/2	1/4 mouth	S.M.	