

AR SERIES ORGAN
 BARMARK FOR
 #11467, FIRST UNITED METHODIST CHURCH, SOMERVILLE, TENNESSEE
 SPECIFICATIONS FOR A SERIES 70-9B ORGAN

2/13
GENERAL

(1) ORGAN

Great Organ	Standard design without grille
Swell Organ	Standard design without grille
	Layout will be supplied
Wood & Finish	Silvite Charcoal Brown
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design with rolltop
Wood & Finish	Rift Sawn Oak
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 in ^{Organ}~~blower~~ space)

Type	2-P-2116 - ^{1/2} 3/4 HP - 1750 RPM - 6" outlet
Wind	400 C.F.M. @ 4" ^{3 1/2} "
Current Specification	1 Ph - 60 Cy - 208 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 Specification	AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	14-1/2" 10-3/4" x 7" high

CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

1	16	Bourdon-----	97 pipes
2	8	Principal-----	73 pipes
3	8	Gedeckt -----from #1-----	61 notes
4	8	Gemshorn -----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	II	Sesquialtera T.C.-----	98 pipes
9	III-IV	Mixture-----	183 pipes
10		Chimes -----prepared for in console only	
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Rohrflöte-----	73 pipes
13	8	Gemshorn -----	80 pipes
14	8	Gemshorn Celeste TC -----	49 pipes
15	4	Spitzprincipal -----	73 pipes
16	4	Rohrflöte -----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	Subbass-----	(prepared for in console only)	
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 #13 -----	32 notes
28	4	Octave -----	from #2 -----	32 notes
29	III	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

COUPLERS

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, make to close)
 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)
 Concave, radiating pedal claviers
 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 Bourdon CC to BB Reg. Artiste Taper Bass TC 68	21-1/2	2/9	Wood) 1-16 4-1/2" Wood) 17 up 3-1/2" 5 Zinc C.M)	
Principal	8	73	CC 52 TC 60	18-1/2	1/4	19 Zinc S.M.)	1-12 4-1/2" 13 up 3-1/2"
Mixture	III-IV	183	See Formula Below				3-1/2"
Sesquialtera TC	II	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 TC	8	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"

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
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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 FORMULA

12	10
17	12

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