

*H. R. Daniels*

REVISED 1-4-79

AR SERIES ORGAN  
EARMARK FOR  
#11353, ST. PAUL'S EPISCOPAL CHURCH, NATICK, MASSACHUSETTS  
SPECIFICATIONS FOR A SERIES 70-9B ORGAN

2/13

GENERAL

(1) ORGAN

Great Organ	Exposed - supply enclosure
Swell Organ	Standard design
	Layout will be supplied
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) BLOWERS (located in blower ~~room~~ *spaces (two required)*)

Type	<i>1716</i> 2-P-2116 - 1/2 HP - 1750 RPM - <del>4"</del> <sup>4"</sup> outlet
Wind	<i>St. 180</i> 400 c.f.m. @ 4", Sw. 260 cfm @ 4"
Current Specification	1 Ph - 60 Cy - 220 Volts - 3.6 Amperes
Overall Size	2' - <del>5-3/4"</del> <sup>3 1/2"</sup> x 1' - <del>10-3/8"</del> <sup>8"</sup> x 2' - <del>6-1/4"</del> <sup>1 1/8"</sup>

(4) POWER UNIT (located in console)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 110 Volts - 10 Amperes
Overall Size	14-1/2" x 10-3/4" x 7" 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	Gemshorn -----from #16	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 TC-----	98 pipes
9	III-IV	Mixture-----	183 pipes
10		Blank (provide slide wired to junction 1-61)	
11		Blank (do not provide slide)	

(continued)

GREAT ORGAN (Exposed) (continued)

- 12 Blank (do not provide slide)
- 13 Blank (do not provide slide)
- 14 Tremolo

SWELL ORGAN (Enclosed)

- 15 8 Rohrflöte-----73 pipes
- 16 8 Gemshorn -----80 pipes
- 17 8 Gemshorn Celeste TC -----49 pipes
- 18 4 Spitzprincipal-----73 pipes
- 19 4 Rohrflöte -----from #15 -----61 notes
- 20 2 Spitzoctave -----from #18 -----61 notes
- 21 1-1/3 Larigot -----from #16---(repeat 12 top notes) -----61 notes
- 22 16 Contre Trompette -----80 pipes
- 23 8 Trompette ----- from #22 -----61 notes
- 24 4 Clairon -----from #22---(repeat 5 top notes)-----61 notes
- 25 Tremolo

PEDAL ORGAN

- 26 16 Bourdon -----from #1 -----32 notes
- 27 8 Principal-----from #2-----32 notes
- 28 8 Gedeckt-----from #1-----32 notes
- 29 8 Gemshorn-----from #16-----32 notes
- 30 4 Octave-----from #2-----32 notes
- 31 4 Rohrflöte-----from #15-----32 notes
- 32 III Mixture-----from #9-----32 notes
- 33 16 Contre Trompette-----from #22-----32 notes
- 34 8 Trompette-----from #22-----32 notes
- 35 4 Clairon-----from #22-----32 notes

COUPLERS

- 36 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6-7-8 Affecting Full Organ  
 General Cancel

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 (toggle type) with indicator light (amber jewel) and related electrical wiring.
- Concave, radiating pedal keyboard
- Organ bench with music shelf
- Music rack
- Music rack light
- Pedal light

*Signal light*

ORGAN NO. 11353

ST. PAUL'S EPISCOPAL CHURCH, NATICK, MASSACHUSETTS

PIPE ANALYSIS

STOP            PITCH        PIPES        SCALE        HALVING      MOUTH      METAL        WIND PRESSURE

GREAT ORGAN

Bourdon	16	97	CCC to BBB Reg. Manual Bourdon			Wood )	3-1/2"	
			<del>CC to BB Reg. Artiste Tapered Bass</del>			Wood )		
			<del>TC 68 C 78</del>	21-1/2	2/9	<del>17 Zinc C.M.</del>		
			CC 56					
Principal	8	73	48	18-1/2	1/4	19 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

Rohrflöte	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	19-1/2	2/9		
			C 68-1/2	19-1/2	2/9	17 Zinc S.M.	3-1/2"
			#56 98	17-1/2	1/6		
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"

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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.

HWW/mr  
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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 S.M.
1-3/5	82 Sc. @ 13	17-1/2 1/5 mouth S.M.
Pull in scales between 45 & 56		