

AR SERIES ORGAN

H. R. Daniels

EARMARK FOR
#11263, FOREST LAKE PRESBYTERIAN CHURCH, COLUMBIA, S. C.
SPECIFICATIONS FOR A SERIES 70-8E ORGAN

2/12

GENERAL

(1) ORGAN

Great Organ	No cabinet
Swell Organ	Standard design without grille
	Layout will be supplied
Wood & Finish	Silvite Charcoal Brown
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design
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) BLOWER

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	400 c.f.m. @ 4"
Current Specification	1 Ph - 60 Cy - 110 Volts - 7.2 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4"

(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

CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

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--(Mayland tubes and electric actions, relay, transformer and volume control unit)	
11		Tremolo A to F, #22 to 42-----	21 tubes

SWELL ORGAN (Enclosed)

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 -----from #12 -----	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 -----from #18 -----	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 -----from #2 -----	32 notes
27	4	Spitzflöte -----from #12 -----	32 notes
28	III	Mixture-----from #9 -----	32 notes
29	16	Contre Trompette -----from #18 -----	32 notes
30	8	Trompette -----from #18 -----	32 notes
31	4	Clairon -----from #18 -----	32 notes

COUPLER

32 Swell to Great

ADJUSTABLE COMBINATIONSPistons No. 1-2-3-4
General Cancel

Affecting Full Organ

PEDAL MOVEMENTSBalanced Expression Pedal - Swell Organ (8 contacts, reverse system)
Balanced Crescendo Pedal with indicator light (green jewel)ACCESSORIESMotor and power unit on-off switch (lock type) with indicator light (amber 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	97	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC up Reg. Artiste Treble			Wood Wood 5 ZINC S.M.	3-1/2"
Principal	8	73	CC 52 TC 60	18-1/2	1/4	17 Zinc S.M.	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

Spitzflöte	8 TC	73	60-2/3 @ 4' C	19-1/2	1/5	5 Zinc C.M.	3-1/2"
Gemshorn	8	85	CC 56 C 68-1/3 #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	58-1/3 @ 8' CC	19-1/2	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			Zinc & S.M. D(F) Eschallots	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
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
2-2/3	74 @ #13	17-1/2	2/9 mouth S.M.
1-3/5	82 @ #13	17-1/2	1/5 mouth S.M.