

W. R. Daniels

AR SERIES ORGAN
EARMARK FOR
#11251, CLARION STATE COLLEGE, CLARION, PENNSYLVANIA
SPECIFICATIONS FOR A SERIES 70-9A ORGAN

2/12

GENERAL

(1) ORGAN

Great Organ	Standard design - movable
Swell Organ	Standard design - movable
Wood & Finish	Layout will be supplied
Action	Rift Sawn Oak - M-4150-2
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design, special size - roll top - movable
Wood & Finish	Rift Sawn Oak - M-4150-2
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 (2 required, located in organ cabinets)

Type	Meidinger 1002 - .4 H.P. - 3360 RPM - 4" outlet
Wind	Great 220 cfm @ 4", Swell 220 cfm @ 4"
Current Specifications	1 Ph - 60 Cy - 110 Volts - 44 Amperes
Overall Size	1' - 6-7/8" long x 1' - 6-1/8" wide x 1'-10-1/4" high

(4) POWER UNITS (2 required, located in organ cabinets)

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" long x 10-3/4" wide 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	III-IV	Mixture-----	183 pipes
9	4	Regal-----	61 pipes
(*) 10		Chimes-----	(prepared for in console only)
11		Tremolo	

(*) To be affected by Great to Pedal coupler.

SWELL ORGAN (Enclosed)

12	8	Rohrflote-----	73 pipes
13	8	Gemshorn -----	80 pipes
14	8	Gemshorn Celeste T.C.-----	49 pipes
15	4	Spitzprincipal-----	73 pipes
16	4	Rohrflote -----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	Bourdon-----from #1 -----	32 notes
24	8	Principal-----from #2 -----	32 notes
25	8	Gedeckt-----from #1-----	32 notes
26	8	Gemshorn-----from #13-----	32 notes
27	4	Octave-----from #2-----	32 notes
28	4	Rohrflote-----from #12-----	32 notes
29	III	Mixture -----from #8 -----	32 notes
30	16	Contre Trompette-----from #19 -----	32 notes
31	8	Trompette-----from #19-----	32 notes
32	4	Regal -----from #9 -----	32 notes

COUPLERS

33	Great to Pedal
34	Swell to Pedal
35	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6	Affecting Great Organ
Pistons No. 1-2-3-4-5-6	Affecting Swell Organ
Pistons No. 1-2-3-4-5	Affecting Pedal Organ
Pistons No. 1-2-3-4	Affecting Full Organ

PEDAL MOVEMENTS

Great to Pedal reversible (duplicated by manual piston)
 Swell to Pedal reversible (duplicated by manual piston)
 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 (toggle type) with indicator light (amber jewel) and related wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf and backrest
 Music rack
 Music rack light
 Pedal light
 Movable platforms for console and organ units

PIPE ANALYSIS

STOP PITCH PIPES SCALE HALVING MOUTH METAL WIND PRESSURE

GREAT ORGAN

Bourdon	16	97	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	73	CC 52	TC 60	18-1/2	1/4	17 Zinc S.M)	1-12	4-1/2"
							)	13 up	3-1/2"
Mixture	III-IV	183	See Formula Below						3-1/2"
Regal	4	61	2-1/2" Brass tube, funnel top				D(F) Eschallots		3-1/2"

SWELL ORGAN

Rohrflöte	8	73	56	21-1/2	2/9	Sm O.S. Chimneys			
						(#19-#62)	18 Zinc S.M.	3-1/2"	
Gemshorn	8	80	CC 56		19-1/2	2/9			
			C 66-1/3		19-1/2	2/9	17 Zinc S.M.	3-1/2"	
			#56	98	17-1/2	1/6			
Gemshorn Celeste T.C.	8	49	58-1/3		19-1/2	2/9	5 Zinc S.M.	3-1/2"	
Spitzprincipal	4	73	60-2/3		18-1/2	1/4	5 Zinc S.M.	3-1/2"	
Contre Trompette	16	80	2-1/2"		CCC to FF half length				
					FF# up full length		C(F) Eschallots	3-1/2"	
					Lifting Lid Oboe		Zinc & S.M.		

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.	