

AR SERIES ORGAN
 EATMARK FOR
 11514, SIXTH CHURCH OF CHRIST SCIENTIST, DENVER, COLORADO
 SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

2/13
GENERAL

(1) ORGAN

Great Organ	Exposed Great - Provide enclosure
Swell Organ	Standard design
	Layout will be supplied.
Wood & Finish	To customer's sample <i>Pitt Sawn Oak - M-4150-2</i>
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design
Wood & Finish	To customer's sample <i>Pitt Sawn Oak - M-4150-2</i>
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 blower space)

Type	2-P-2118 - 3/4 HP - 1750 RPM - 8" outlet
Wind	480 C.F.M. @ 3-1/2"
Current Specification	3 Ph - 60 Cy - 208 Volts - 1.9 Amperes
Overall Size	2' - 9-3/4" 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" x 10-3/4" x 7" high

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 #14-----	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	8	Trompette-----from #20-----	61 notes
11		Chimes-----Mayland tubes & electric actions, relay, transformer & volume control, G to G, #20 to #42 <i>#44</i> -----	25 tubes
12		Tremolo	

SWELL ORGAN (Enclosed)

13	8	Rohrflote-----	73 pipes
14	8	Gemshorn -----	80 pipes
15	8	Gemshorn Celeste TC -----	49 pipes
16	4	Spitzprincipal-----	73 pipes
17	4	Rohrflote -----from #13-----	61 notes
18	2	Spitzoctave -----from #16 -----	61 notes
19	1-1/3	Larigot-----from #14--(repeat 12 top notes)-----	61 notes
20	16	Contre Trompette -----	80 pipes
21	8	Trompette -----from #20-----	61 notes
22	4	Clairon -----from #20--(repeat 5 top notes)-----	61 notes
23		Tremolo	

PEDAL ORGAN

24		Blank	
25	16	Bourdon -----from #1 -----	32 notes
26	8	Principal-----from #2 -----	32 notes
27	8	Gedeckt -----from #1 -----	32 notes
28	8	Gemshorn -----from #14-----	32 notes
29	4	Octave -----from #2 -----	32 notes
30	4	Rohrflote -----from #13 -----	32 notes
31	2	Rohrflote -----from #13 -----	32 notes
32	III	Mixture-----from #9 -----	32 notes
33	16	Contre Trompette---from #20-----	32 notes
34	8	Trompette-----from #20 -----	32 notes
35	4	Clairon-----from #20 -----	32 notes

COUPLER

36 Swell to Great

ADJUSTABLE COMBINATIONSPistons No. 1-2-3-4-5-6-7-8
General Cancel

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
 Balanced Crescendo Pedal with indicator light (green jewel)
 Sforzando reversible toe lever with indicator light (red jewel)

ACCESSORIES

Motor and power unit on-off switch (lock 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 56	21-1/2	2/9	Wood 17 Zinc C.M.	3-1/2"
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 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)

IMPORTANT

Voice at 4" W/P for 5300 ft. altitude