

H. R. Daniel

AR SERIES ORGAN
EARMARK FOR
#11416 FIRST BAPTIST CHURCH, GARY, INDIANA
SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

2/13

GENERAL

(1) ORGAN

Great Organ
Swell Organ
Wood & Finish
Action
Wind Pressure
Pitch

Standard Design without shades
Standard Design with shades
Rift Sawn Oak to customer's sample
Electro-Pneumatic
See Pipe Analysis
A-440 @ 70°F

(2) CONSOLE

Cabinet
Wood & Finish
Manuals
Manual Compass
Pedal Compass
Stop Controls
Action

Standard Design with roll top
Rift Sawn Oak to customer's sample
Two and Pedal
CC to C4, 61 notes
CCC to G, 32 notes
Tilting Tablets
All Electric

(3) BLOWER (located in blower space)

Type
Wind
Current Specifications
Overall Size

Kinetic 2-P-2118 - 3/4 HP - 1750 RPM - 8" outlet
540 C.F.M. @ 4"
1 Ph - 60 Cy - 220 Volts - 3.6 Amperes
2'-9-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in console)

Rating
Current Specifications
Overall Size

DC Output: 10-15 Volts, 30 Amperes
AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
1' - 2-1/2" long x 10-3/4" wide x 7" high

CONSOLE AND ORGAN

GREAT ORGAN (unenclosed)

1	16	Bourdon	-----	90	pipes
2	8	Principal	-----	80	pipes
3	8	Gedeckt	-----from #1-----	61	notes
4	8	Gemshorn	-----from #15-----	61	notes
5	4	Octave	-----from #2-----	61	notes
6	4	Gedeckt	-----from #1-----	61	notes
7	2	Super Octave	-----from #2--(repeat 5 top notes)-----	61	notes
8	2	Flute	-----from #1--(repeat 7 top notes)-----	61	notes
9	II	Sesquialtera TC	-----	98	pipes
10	III-IV	Mixture	-----	183	pipes
11	8	Trompette	-----from #21-----	61	notes
12		Chimes	-----Present Deagan tubes, ^{AND} new electric actions, with provide New copy, relay, transformer and volume control		
13		Tremolo	A to F- #22 to #42 -----	21	tubes

SWELL ORGAN (Enclosed)

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

(*) Not to be affected by Swell to Great coupler

PEDAL ORGAN

25	16	Contra Bass-----12 pipes, 20 from #2 -----	32 notes
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 #15-----	32 notes
30	4	Octave-----from #2 -----	32 notes
31	4	Rohrflote-----from #14-----	32 notes
32	III	Mixture-----from #10-----	32 notes
33	16	Contre Trompette-----from #21-----	32 notes
34	8	Trompette -----from #21-----	32 notes
35	4	Clairon -----from #21-----	32 notes

COUPLER

36 Swell to Great (except 8 Gemshorn Celeste TC)

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6

Affecting Full Organ (Beneath Swell Center)

PEDAL MOVEMENTS

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) 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	90	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC 68	21-1/2	2/9	Wood) Wood) 5 Zinc S.M)	3-1/2"
Principal	8	80	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	II TC	98	See Formula Below				3-1/2"

SWELL ORGAN

Rotrflote	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	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"

PEDAL ORGAN

<i>Contra Bass</i> Principal	16	12	CCC 36 CC 52	18-1/2	1/4	Zinc	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
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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 MIXTURE FORMULA

12	10
17	12
13-56	57-61

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