

H. R. Daniels

AR SERIES ORGAN
EARMARK FOR

#11450, ST. JOHN NEUMANN CATHOLIC CHURCH, HOUSTON, TEXAS
SPECIFICATIONS FOR A SERIES 70-8D ORGAN

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GENERAL

(1) ORGAN

Great Organ	Standard design without grille
Swell Organ	Standard design without grille
	Layout will be supplied
Wood & Finish	Silvite - Dull 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 <i>M-4150-2</i>
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 (located in blower space)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	440 c.f.m. @ 4"
Current Specifications	3 Ph - 60 Cy - 208 Volts - 2.2 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 (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	II	Sesquialtera T.C. -----	98 pipes
9	III-IV	Mixture -----	183 pipes
10		Chimes----- (prepared for in console only)	
11		Tremolo	

SWELL ORGAN (enclosed)

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

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, make to close)

Balanced Expression Pedal Swell Organ (8 contact, make to close)

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motors and power unit on-off switch (lock type) with indicator light (amber jewel) and related electrical 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 68	21-1/2	2/9	Wood) Wood) 5 Zinc C.M.)	3-1/2"
Principal	8	73	CC 52 TC 60	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 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"
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)