

AR SERIES ORGAN
 HARMARK FOR
 #11014 FIRST CHRISTIAN CHURCH, ARLINGTON, TEXAS
 SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

412

GENERAL

(1) ORGAN

Great Organ	Exposed, no enclosure
Swell Organ	Standard Series 70 design
	Layout will be supplied
Wood & Finish	Rift Sawn Oak to customer's sample
Fabric	Mellowtone
Action	Electro-Pneumatic (unit type)
Wind Pressure	Offsets 4-1/2", Trebles 3-1/2"
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Series 70 design
Wood & Finish	Rift Sawn Oak to customer's sample
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 - Two (2) Required

Type	Meidinger ¹⁰⁰⁴ 500 - ⁷ 5 HP - 3360 RPM
Rating	⁵⁰⁰ 500 c.f.m. @ 4" = ^{5-7/8"} 5 outlet
Current Specification	1 Ph - 60 Cy - 110 Volts, ⁷ 5 Amperes
Overall Size	1' - 6-7/8" x 1' - 6-1/8" x 1' - 10-1/4" 1' - 7-5/8" L. x 1' - 9-1/4" W. x 11-7/8" High

(4) POWER UNIT (located in Swell Organ)

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 (Exposed)

1.	16	Bourdon	97 pipes
2	8	Principal.....	73 pipes
3	8	Gedeckt.....from #1.....	61 notes
4	8	Genshorn.....from #13.....	61 notes
5	4	Octav.....from #2.....	61 notes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Flute.....from #1.....	61 notes
8	III	Mixture.....	183 pipes
9	II	Cornet TC.....	98 pipes
10	8	Trompette.....from #19	61 notes
11		Tremolo	

11A. Chimes - Mayland tubes & electric actions, relay, transformer
 & volume control A-#22 to F-#42 - 21 tubes

SWELL ORGAN (Enclosed)

12	8	Rohrflote.....	73 pipes
13	8	Gemshorn.....	80 pipes
14	8	Gemshorn Celeste TC.....	49 pipes
15	4	Spitzprincipal.....	73 pipes
16	4	Rohrflote.....from #12.....	61 notes
17	2	Spitzoctav.....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	Octav.....from #2.....	32 notes
25	8	Gedeckt.....from #1.....	32 notes
26	8	Gemshorn.....from #13.....	32 notes
27	4	Choral Bass.....from #2	32 notes
28	4	Rohrflote.....from #12.....	32 notes
29	III Rks.	Mixture.....from #8.....	32 notes
30	16	Contre Trompette.....from #19.....	32 notes
31	8	Trompette.....from #19.....	32 notes
32	4	Clairon.....from #19.....	32 notes

COUPLERS

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

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 (lock type) with indicator light (red jewel)
 and related wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf
 Music rack light
 Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
<u>GREAT ORGAN</u>							
Bourdon	16	97	CCC to BBB Reg. Manual Bourdon CC 56	20-1/2	2/9	Wood) 1-12 17 Zinc, SM) 13 up	4-1/2" 3-1/2"
Principal	8	73	CC 52 TC 60	18-1/2	1/4	17 Zinc S.M.) 1- ¹³ 12) ¹³ 12 up	4-1/2" 3-1/2"
Mixture	III	183	See Formula Below				3-1/2"
Cornet TC	II	98	See Formula Below				3-1/2"

SWELL ORGAN

Rohrflöte	8	73	56	21-1/2	2/9	Sm. O.S. Chimneys) 17 Zinc S.M.)	3-1/2"
Gemshorn	8	80	CC 54-1/3 #56 102-2/3	17-1/2 20-1/2 ¹⁸	^{1/4} 2/9 2/9	17 Zinc S.M.))	3-1/2"
Gemshorn Celeste TC	8	49	56-1/3	17-1/2	1/5	5 Zinc S.M.	3-1/2"
Spitzprincipal	4	73	60-3/4	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 D(F) Eschallots			Zinc & S.M.	3-1/2"

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GREAT III MIXTURE FORMULA

15	12	8
19	15	12
22	19	15
1-42	43-48	49-61

Unison	50 Sc.	18-1/2	1/4 mouth	S.M.
Quint	51 Sc.	18-1/2	1/4 mouth	S.M.

GREAT II CORNET TC MIXTURE FORMULA

12	12			
17	15			
<u>13-52</u>	<u>53-61</u>			
2-2/3	68-2/3	20-1/2	2/9 mouth	SM
2	74	20-1/2	2/9 mouth	SM
1-3/5	75-1/2	20-1/2	1/5 mouth	SM