

File

AR SERIES ORGAN
EARMARK FOR
#10908, CHAPEL, FIRST PRESBYTERIAN CHURCH, MIDLAND, TEXAS
SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

2/11
GENERAL

(1) ORGAN

Great Organ	Chamber installation
Swell Organ	Organ layout will be supplied
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 Color Block #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) BLOWER

Type	Kinetic Style 2-P-2116 - 1/2 HP - 1725 RPM
Rating	500 c.f.m. @ 4" - 6" outlet
Current Specifications	1 Ph - 60 Cy - 220 Volts - 3.6 Amperes
Overall Size	2'-5-3/4" x 1' - 10-3/8" x 2' - 3-1/4"

(4) POWER UNIT

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 110 Volts - 10 Amps.
Overall Size	1' - 5-1/2" long x 1' - 1" wide x 8-1/2" high

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CONSOLE AND ORGAN

GREAT ORGAN (enclosed)

1	16	Bourdon.....	97 pipes
2	8	Principal.....	73 pipes
3	8	Holzgedeckt.....from #1.....	61 notes
4	8	Gemshorn.....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	8	Trompette.....from #19.....	61 notes
10	4	Trichter Regal.....	61 pipes
11		Tremolo	

12	8	Rohrflöte.....	73	pipes
13	8	Gemshorn.....	80	pipes
14	8	Gemshorn Celeste TC.....	49	pipes
15	4	Spitzprincipal.....	73	pipes
16	4	Rohrflöte.....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		

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	Octav.....from	#2.....	32	notes
28	4	Rohrflöte.....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	Trichter Regal....from	#10.....	32	notes

33 Swell to Great

Pistons No. 1-2-3-4 Affecting Full Organ

Balanced Expression Pedal - Great Organ
Balanced Expression Pedal - Swell Organ
Balanced Crescendo Pedal with indicator light (Green Jewel)

Motor and Power Unit on-off switch (lock type) with indicator light (red jewel)
and related wiring.
Plexiglas music rack with light
Pedal light
Concave and radiating pedal keyboard
Organ bench with music shelf

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	Wood	)	1-16	4-1/2"
			CC to BB Reg. Artiste Tapered Bass	Wood	)	17 up	3-1/2"
			TC Reg. Artiste Trebles	Wood, SM)			
Principal	8	73	CC 52 TC 60	18-1/2	1/4	12 Zinc S.M.)	1-12 4-1/2"
						13-17 Zinc & S.M.)	13 up 3-1/2"
						18 up S.M.)	
Mixture	III	183	See Formula Below				3-1/2"
Trichter Regal	4	61	2-1/2" Brass Tube, Funnel Top	D(F)	Eschallots		3-1/2"

SWELL ORGAN

Rohrflote	8	73	56	21-1/2	2/9	Sm O.S. Chimneys	
						12 Zinc S.M.	3-1/2"
Gemshorn	8	80	CC 54-1/3	17-1/2	2/9	12 Zinc S.M.)	3-1/2"
			#56 102-2/3	20-1/2	2/9	)	
Gemshorn Celeste TC	8	49	56-1/3	17-1/2	1/5	S.M.	3-1/2"
Spitzprincipal	4	73	60-3/4	18-1/2	1/4	S.M.	3-1/2"
Contre Trompette	16	80	2-1/2"	CCC to FF half length			
				FF# up full length	Zinc & S.M.		3-1/2"
				D(F) Eschallots			

GREAT III MIXTURE FORMULA

15	12	8	
19	15	12	
22	19	15	
<u>1-42</u>	<u>43-48</u>	<u>49-61</u>	
Unison 50 Sc.	18-1/2	1/4 mouth	S.M.
Quint 51 Sc.	18-1/2	1/4 mouth	S.M.

NOTE - Altitude 2900 ft.