

AR SERIES ORGAN
EARMARK FOR

#11081, CHESTER PRESBYTERIAN CHURCH, CHESTER, VIRGINIA
SPECIFICATIONS FOR A SERIES 70-7B ORGAN

219

GENERAL

(1) ORGAN

Great Organ	Standard Design
Swell Organ	Standard Design
	Organ layout will be supplied
Wood & Finish	Birch to customer's sample
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design
Wood & Finish	Birch to customer's sample
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 ~~(Two (2) required, located in organ cabinets)~~

Blower space
Kinetic 2-P-3116 1/2 1750 6"
Type ~~Holding 1002 - 1/4 HP - 3550 RPM - 1" outlet~~
Rating ~~500 c.f.m. @ 4"~~
Current Specification ~~1 Ph - 60 Cy - 110 Volts - 4.4 Amperes~~
Overall Size ~~1' - 6 7/8" long x 1' - 6 1/8" wide x 1' - 10 1/4" high~~
~~2' - 5 3/4" long x 1' - 10 3/8" wide x 2' - 6 1/4" high~~

(4) POWER UNIT (located in console)

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

1	16	Bourdon.....	92 pipes
2	8	Principal.....	80 pipes
3	8	Gedeckt.....from #1	61 notes
4	8	Gemshornfrom #13.....	61 notes
5	4	Octavefrom #2	61 notes
6	4	Gedecktfrom #1.....	61 notes
7	2	Super Octave.....from #2...(repeat 5 top notes).....	61 notes
8	2	Flute.....from #1...(repeat 5 top notes).....	61 notes
9	11-111	Mixture.....	126 pipes
10		Chimes.....(prepared for in console only)	
11		Tremolo	

SWELL ORGAN

12	8	Spitzflöte.....(low octave from #13)	73 pipes
13	8	Gemshorn.....	85 pipes
14	8	Gemshorn Celeste T.C.....	49 pipes
15	4	Spitzflötefrom #12.....	61 notes
16	2	Spitzflöte.....from #12.....	61 notes
17	1-1/3	Larigotfrom #13...(repeat 7 top notes).....	61 notes
18	16	Contre Trompette	85 pipes
19	8	Trompette.....from #18.....	61 notes
20	4	Claironfrom #18	61 notes
21		Tremolo	

PEDAL ORGAN

22	16	Bourdon.....from #1.....	32 notes
23	8	Principal.....from #2.....	32 notes
24	8	Gedacktfrom #1	32 notes
25	8	Gemshornfrom #13	32 notes
26	4	Octave.....from #2	32 notes
27	4	Spitzflöte.....from #12.....	32 notes
28	111	Mixture.....from #7 & 9	32 notes
29	16	Contre Trompette.....from #18	32 notes
30	8	Trompettefrom #18	32 notes
31	4	Claironfrom #18	32 notes

COUPLERS

32 Swell to Great

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

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, reverse system)
 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
 Transparent music rack
 Music rack light
 Pedal light
 Signal light Marked ~~"Wentax"~~ "Signal"
 Signal ~~light~~ Marked ~~"Chels"~~ "Signal"
 Button
 1 1/2" Adjustable Bench Blocks

PIPE ANALYSIS

	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
<u>GREAT ORGAN</u>							
Bourdon	16	92	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 up Reg. Artiste Treble			Wood & S.M.)	
Principal	8	80	CC 52 TC 60	18-1/2	1/4	17 Zinc S.M.)	1-12 4-1/2"
						)	13 up 3-1/2"
Mixture	II-III	126	See Formula Below				3-1/2"

SWELL ORGAN

Flute T.C.	8	73	60-2/3 @ 4'C	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Shorn	8	85	CC 54	17-1/2		17 Zinc S.M.	
			C 66-1/3	17-1/2			3-1/2"
			#56 102-2/3	18-1/2	2/9		
Shorn Celeste T.C.	8	49	56-1/3 @ 8' CC	17-1/2	2/9	5 Zinc S.M.	3-1/2"
Tre Trompette	16	85	2-1/2" CCC to FF half length				
			FF# up full length				
			D(F) Eschallots			Zinc & S.M.	3-1/2"

GREAT II-III MIXTURE FORMULA

	19	12	12	12	15
	22	19	19		
		22			
	1-32	33-46	47-51	52-56	57-61
Unison	48 Sc.	17-1/2	1/4 mouth	S.M.	
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.	