

AR SERIES ORGAN
 EARMARK FOR
 #11158, GENEVA COLLEGE, BEAVER FALLS, PENNSYLVANIA
 SPECIFICATIONS FOR A SERIES 70-6 ORGAN

2/8

GENERAL

(1) ORGAN

Great Organ	Standard design movable
Swell Organ	Standard design movable
	Layout will be supplied
Wood & Finish	Rift Sawn Oak - M-4150-2
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design <i>with roll top</i> on movable platform
Wood & Finish	Rift Sawn Oak - M-4150-2
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) BLOWERS (two required, located in organ cabinets)

Type	<i>Lauchhoff #105</i> ^{0.35} Wardinger 1002 ^{1/2} HP, 3360 RPM
Rating	177 ¹⁷⁷ 220 c.f.m. @ 4 1/8" inlet ^{outlet} 3-3/8" x 3-3/4"
Current Specifications	1 Ph - 60 Cy - 110 Volts - 1.9 Amperes
Overall Size	1' - 6 7/8" long x 1' - 6 1/8" wide x 1' - 10 1/4" high 1' 6" L x 1' 2-5/8" W x 1' 4" H

(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.....	92 pipes
2	8	Principal.....	80 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	Super Octave.....from #2...(repeats 5 top notes).....	61 notes
8	2	Flute.....from #1...(repeats 5 top notes).....	61 notes
9	II-III	Mixture.....	126 pipes
10		Chimes..... <i>Present Schulmerich tubes and electro-pneumatics, (replaced for in console unit)</i>	
11		Tremolo <i>Provide relay, transformer, and volume control unit. G. #20 to G. #44 - - - - - 25 tubes</i>	

SWELL ORGAN (Enclosed)

12	8	Spitzflöte.....(low octave from #13).....
13	8	Gemshorn
14	4	Spitzflöte.....from #12.....
15	2	Spitzflöte.....from #12 (repeat 5 top notes).....
16	1-1/3	Larigot.....from #13 (repeat 7 top notes).....
17	16	Contre Trompette.....
18	8	Trompette.....from #17.....
19	4	Clairon.....from #17.(repeat 5 top notes).....
20		Tremolo

PEDAL ORGAN

21	16	Bourdon.....from #1.....
22	8	Principal.....from #2.....
23	8	Gedeckt.....from #1.....
24	8	Gemshorn.....from #13.....
25	4	Octave.....from #2.....
26	4	Spitzflöte.....from #12.....
27	III	Mixturefrom #7 & 9.....
28	16	Contre Trompette.....from #17.....
29	8	Trompette.....from #17.....
30	4	Claironfrom #17.....

COUPLER

31 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

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

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

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

Spitzflote T.C.	8	68	60-2/3 @ 4' C	19-1/2	1/5	5 Zinc S.M.	3-1/2"
Genshorn	8	85	CC 56	19 1/2	2/9		
			C 68-1/3	19 1/2	2/9	17 Zinc S.M.	3-1/2"
			#56 100-2/3	17 1/2	1/6		
			98				
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"

GREAT II-III MIXTURE FORMULA

19	12	12	12	15
22	19	19		
	22			
1-37	38-49	50-53	54-56	57-61
Unison	47 Sc.	17-1/2	1/4 mouth	S.M.
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.