

AR SERIES ORGAN  
 EARMARK FOR  
 # 11143 IMMACULATE CONCEPTION CHURCH, IRWIN, PA.  
 SPECIFICATIONS FOR A SERIES 70-9A ORGAN

2/12  
GENERAL

(1) ORGAN

Great Organ	Standard Design without shades
Swell Organ	<del>Standard</del> Design
Wood & Finish	Layout will be supplied
Action	Rift Sawn Oak - M-4150-2
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design <i>with roll top</i>
Wood & Finish	Rift Sawn Oak - 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) BLOWERS (Two required, located in Blower Room)

Type	Kinetic 2-P-1716 Special, 1/2 HP, 1750 RPM
Rating	Gt.220 c.f.m. Sw.240 cfm <del>xxxxxx</del> @ 4" - 4" outlet
Current Specifications	1 Ph - 60 Cy - 220 Volts - 3.6 Amperes
Overall Size	2' - 3-1/2" L x 1' - 8" W x 2' - 1-1/8" H

(4) POWER UNIT (located in console)

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

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CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

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 .....	61 notes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Flute .....	61 notes
8	III-IV	Mixture .....	183 pipes
9	4	Trichter Regal .....	61 pipes
10		Chimes .....	(prepared for in console only)
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Rohrflote.....	73 pipes
13	8	Gemshorn .....	80 pipes
14	8	Gemshorn Celeste T.C.....	49 pipes
15	4	Spitzprincipal .....	73 pipes
16	4	Rohrflote .....	from #12.....61 notes
17	2	Spitzoctave .....	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	Contrabass.....	12 pipes, 20 from #2.....32 notes
24	16	Bourdon .....	from #1 .....32 notes
25	8	Principal.....	from #2.....32 notes
26	8	Gedeckt.....	from #1.....32 notes
27	8	Gemshorn.....	from #13.....32 notes
28	4	Octave.....	from #2.....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 #9.....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 (~~in~~<sup>toggle</sup> 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

TOP	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 up Reg. Artiste Treble			Wood Wood Wood & S.M.)	) 1-16 4-1/2" ) 17 up 3-1/2"	
Principal	8	73	CC 52, TC 60	18-1/2	1/4	17 Zinc S.M.	) 1-12 4-1/2" ) 13 up 3-1/2"	
Mixture	III-IV	183	See Formula Below					3-1/2"
Frichter Regal	4	61	2-1/2"	Brass Tube, funnel top		D(F) Eschallots	3-1/2"	

SWELL ORGAN

Bohrflöte	8	73	56	21-1/2	2/9	Sm. O.S. Chimneys (19-#62) 18 Zinc S.M.	3-1/2"
Samshorn	8	80	CC 54 C 66-1/3 #56 102-2/3	17-1/2 17-1/2 18-1/2	2/9	17 Zinc S.M.	3-1/2"
Samshorn Celeste	T.C. 8	49	56-1/3	17-1/2	2/9	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"

PEDAL ORGAN

Contrabass	16	12	CCC 36 CC 52	18-1/2	1/4	Zinc	4-1/2"
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GREAT III MIXTURE FORMULA

	15	12	12	12	12
	19	15	15	15	
	22	19	19		
		22			
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	1-37	38-49	50-54	54-56	57-61
Unison	47 Sc.	18-1/2 1/2	1/4 mouth	S.M.	
Quint	49 Sc.	18-1/2 1/2	1/4 mouth	S.M.	