

AR SERIES ORGAN  
 BENCHMARK FOR

*Church of Our Lady of Loretto*

#11424, SISTERS OF THE HOLY CROSS GENERALATE, SAINT MARY'S COLLEGE, CONVENT, NOTRE DAME, INDIANA  
 SPECIFICATIONS FOR A 10 RANK SERIES 70 ORGAN

2/14

GENERAL

(1) ORGAN

Great Organ	Exposed - supply enclosure
Swell Organ	Standard Design
Wood & Finish	Rift Sawn Oak to customer's sample
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design with roll top
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 (located under Swell Organ)

Type	Kinetic 2-P-2118 - 3/4 HP - 1750 RPM - 8" outlet
Wind	Great & Pedal 280 cfm @ 4", Swell 220 cfm @ 4"
Current Specification	1 Ph - 60 Cy - 208 Volts - 3.6 Amperes
Overall Size	2' - 9-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in console)

Rating	DC Output: 10-15 Volts, 30 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	1' - 2-1/2" long x 10-3/4" wide x 7" high

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon-----	90 pipes
2	8	Principal -----	80 pipes
3	8	Gedeckt -----from #1-----	61 notes
4	8	Gemshorn -----from #15-----	61 notes
5	4	Octave-----from #2-----	61 notes
6	4	Gedeckt-----from #1-----	61 notes
7	2	Super Octave-----from #2---(repeat 5 top notes)-----	61 notes
8	2	Flute -----from #1---(repeat 7 top notes)-----	61 notes
9	II	Sesquialtera T.C.-----	98 pipes
10	III-IV	Mixture -----	183 pipes
11	8	Trompette -----from #21 -----	61 notes
12		Chimes----present Maas tubes, new electric actions, canopy, relay, transformer & volume control F to F, #18 to #40-----	25 tubes
13		Tremolo	



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SWELL ORGAN (Enclosed)

14	8	Rohrflote-----	73 pipes
15	8	Gemshorn -----	80 pipes
* 16	8	Gemshorn Celeste TC -----	49 pipes
17	4	Spitzprinzipal -----	73 pipes
18	4	Rohrflote -----from #14-----	61 notes
19	2	Spitzoctav -----from #17-----	61 notes
20	1-1/3	Larigot-----from #15---(repeat 12 top notes)---	61 notes
21	16	Contre Trompette -----	80 pipes
22	8	Trompette -----from #21-----	61 notes
23	4	Clairon -----from #21---(repeat 5 top notes)---	61 notes
24		Tremolo	

(\* ) Not to be affected by Swell to Great coupler

PEDAL ORGAN

25	16	Contra Bass-----12 pipes, 20 from #2-----	32 notes
26	16	Bourdon -----from #1-----	32 notes
27	8	Principal-----from #2-----	32 notes
28	8	Spitzflote-----	44 pipes
29	8	Gemshorn -----from #15-----	32 notes
30	4	Octave-----from #2-----	32 notes
31	4	Spitzflote -----from #28-----	32 notes
32	III	Mixture-----from #10-----	32 notes
33	16	Contre Trompette-----from #21-----	32 notes
34	8	Trompette -----from #21-----	32 notes
35	4	Clairon-----from #21-----	32 notes

COUPLER

36 Swell to Great (except 8 Gemshorn Celeste TC)

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6-7-8 Affecting Full Organ (beneath Swell center)

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



PIPE ANALYSIS

TOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE	
<u>GREAT ORGAN</u>								
Bourdon	16	90	CCC to BBB Reg. Manual Bourdon <del>CC to BB Reg. Artiste Tapered Bass</del>			Wood ) <del>Wood )</del>	3-1/2"	
			TC Reg. Artiste Treble CC 56	21 1/2	2/9	Wood & S.M. 17 Zinc C.M.		
Principal	8	80	48	18-1/2	1/4	17 Zinc S.M.	3-1/2"	
Mixture	III-IV	183	See Formula Below					3-1/2"
Resquialtera	II TC	98	See Formula Below					3-1/2"
<u>SWELL ORGAN</u>								
Soprano Flute	8	73	56	21-1/2	2/9	SM O.S. Chimneys #19-62 18 Zinc C.M.	3-1/2"	
Oboe	8	80	CC 56 C 68-1/2 #56 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	17 Zinc S.M.	3-1/2"	
Oboe Celeste	8 TC	49	56-1/2 @ 8'	CC 19-1/2	2/9	5 Zinc S.M.	3-1/2"	
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"	
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & S.M.	3-1/2"	
<u>PEDAL ORGAN</u>								
Contra Bass	16	12	CCC 36	18-1/2	1/4	Zinc	3-1/2"	
Spitzflute	8	44	48-3/4	17-1/2	2/9	17 Zinc S.M.	3-1/2"	

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GREAT III-IV 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	55-56	57-61
Unison	47 Sc.	17-1/2	1/4 mouth	S.M.	
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.	

GREAT II SESQUIALTERA TC MIXTURE FORMULA

		12		10	
		17		12	
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		13-56		57-61	
2-2/3	74 Sc.	@ 13	17-1/2	2/9 mouth	S.M.
					Pull in 6 scales between 50-61
1-3/5	82 Sc.	@ 13	17-1/2	1/5 mouth	S.M.
					Pull in 6 scales between 45-56, break at 57