

AR SERIES ORGAN

Queen of the EARMARK FOR ^{Shrine}

#11665 - HOLY ROSARY R. C. CHURCH, LA SALLE, ILLINOIS
SPECIFICATIONS FOR SERIES 80-12+ ORGAN
TO BE COMPLETED - OCTOBER 1, 1984

GENERAL

(1) ORGAN

Great Organ	Exposed, provide enclosures
Swell Organ	Standard Design
Wood & Finish	Rift Sawn Oak, to customer's sample
Action	Electro-pneumatic (unit type)
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 with under-key contacts

(3) BLOWER (located to right of organ)

Type	⁶¹¹⁴¹⁰ pentus #1004 - ⁸⁷⁴ HP - 2800 RPM
Wind	460 c.fm. @ 4" - 5" Outlet
Current Specification	1 Phase - 60 Cycles - 120 Volts - ^{76.6} Amperes
Overall Size	1' - ^{5-3/4"} 6 7/8" x 1' - ^{9 1/2"} 6 1/8" x 1' - ^{11 1/4"} 10 1/4" high

(4) POWER UNIT (Mounted in Swell organ cabinet)

Rating	DC Output: 10-15 Volts, 30 Amperes
AC Input	1 Phase - 60 Cycles - 120 Volts - 10 Amperes
Overall Size	16-3/4" long x 11" wide x 7-1/4" high

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon-----	-----92 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-----	-----61 notes (repeat 5 top notes)
8	2	Flute -----from #1-----	-----61 notes (repeat 5 top notes)
9	II Rks.	Sesquialtera TC-----	-----98 pipes
10	III-IV Rks.	Mixture-----	-----208 pipes
11	8	Trompette-----from #22-----	-----61 notes
12		Chimes----- ^{Mayland tubes and electric action, relay,}	-----21 bells
13		Tremolo----- ^{present Allen electric action & bells}	
			^{Transformer and volume control, A to F, #22-42}

SWELL ORGAN

14	8	Rohrflöte-----	73 pipes
15	8	Genshorn -----	80 pipes
16	8	Genshorn Celeste TC -----	49 pipes
17	4	Spitzprincipal-----	73 pipes
18	4	Rohrflöte -----from #14-----	61 notes
19	2	Spitzoctave -----from #17-----	61 notes
20	1-1/3	Larigot-----from #15--(repeat top octave)-----	61 notes
21	1	Klein Octave -----from #17--(repeat top octave)-----	61 notes
22	16	Contre Trompette -----	80 pipes
23	8	Trompette -----from #22-----	61 notes
24	4	Clairon -----from #22--(repeat 5 top notes)-----	61 notes
25		Tremolo	

PEDAL ORGAN

**)	26	16	Contre Bass-----	12 pipes, 20 from #2-----	32 notes
	27	16	Bourdon -----	from #1-----	32 notes
	28	8	Principal -----	from #2-----	32 notes
	29	8	Rohrflöte -----	from #14-----	32 notes
	30	4	Octave -----	from #2 -----	32 notes
	31	4	Gedeckt -----	from #1-----	32 notes
	32	IV Rks.	Mixture -----	from #10 & #2 #7-----	32 notes
	33	32	Trompette Cornet -----	see wiring schematic -----	32 notes
	34	16	Contre Trompette -----	from #22 -----	32 notes
	35	4	Clairon -----	from #22 -----	32 notes

(**) Exposed

COUPLERS

36	Great to Pedal
37	Swell to Pedal
38	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6-7-8
(placed beneath swell center)

Affecting entire organ

PEDAL MOVEMENTS

Great to Pedal reversible

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)

Balanced Crescendo Pedal with indicator light (green jewel) & Chimes - Tremolo - Celeste
32 Trompette Cornet reversible cut-out switch

ACCESSORIES

Concave, radiating pedal claviers

Organ bench with music shelf

Transparent music rack with light

Pedal light

Motor and power unit on-off switch (lock type) with indicator light (amber jewel) and
related electrical wiring.

Blower enclosure

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	92	CCC to BBB Reg. Man. Bourdon CC 56	21-1/2	2/9	Wood 17 Zinc CM	#1-12 4-1/2" #13 up 3-1/2"
Principal	8	80	45	17-1/2	1/4	19 Zinc SM	#1-12 4-1/2" #13 up 3-1/2"
Mixture	III-IV	208	See Formula Below				
Sesquialtera	II	98	See Formula Below				

SWELL ORGAN

Rohrflöte	8	73	56	21-1/2	2/9	18 Zinc CM Sm I.S. Chimneys #19-62 Pull in 8 scales between #62 & 73	3-1/2"
Gemshorn	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 SM	3-1/2"
Gemshorn Celeste TC	8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc SM	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc CM	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & SM	3-1/2"

PEDAL ORGAN

Contra Bass	16	12	33	17-1/2	1/4	Zinc	4-1/2"
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GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12
26	22	19	15	15	15
29	26	22	19	19	
	29	26	22		

1-17	18-29	30-36	37-49	50-54	55-61
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Unison	47 Sc.	17-1/2	1/4 mouth	SM
Quint	49 Sc.	17-1/2	1/4 mouth	SM

GREAT II SESQUIALTERA TC FORMULA

12	10
17	12

13-56	57-61
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2-2/3 74 Sc. @ #13 17-1/2 2/9 mouth SM (Pull in 6 scale between #50-61)
 1-3/5 82 Sc. @ #13 17-1/2 1/5 mouth SM (Pull in 6 scale between #45-56, break at #57)

Pedal Organ
 10-2/3 notes #1-12 plays 32 TROMPETTE CORNET WIRING
 6-2/5 notes #1-12 plays 16 Bourdon #17-28
 4-4/7 notes #1-12 plays 16 Bourdon #23-34
 3-5/9 notes #1-12 plays 16 Bourdon #27-38
 notes #13-32 plays 16 Contre Trompette #1-20