

AR SERIES ORGAN
 EARMARK FOR
 11571, MERCY OF GOD SHRINE, STOCKBRIDGE, MASSACHUSETTS
 SPECIFICATIONS OF A 10 STOP SERIES 70 ORGAN

2/14
GENERAL

(1) ORGAN

Great Organ	Exposed, provide panelwork
Swell Organ	Chamber installation, no cabinet
	Layout will be supplied
Wood & Finish	<i>Cherry to customer's sample.</i>
Action	Electro-pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Special Design
Wood & Finish	<i>Cherry to customer's sample.</i>
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Draw Knobs
Action	All electric with under-key contacts for stops and couplers.

(3) BLOWERS

Great Organ (located in blower space)	<i>meidinger .8 3360</i>
Type	2-P 2116, 1 1/2 HP, 1750 RPM - 6" outlet
Wind	240 c.f.m. @ 4"
Current Specification	1 Ph - 60 Cy - 110 Volts - 7.2 Amperes
Overall Size	2' - 5 3/4" x 1' - 10 3/8" x 2' - 6 1/4" high <i>1' - 9 1/4" x 1' - 7 5/8" x 1' - 9 3/4"</i>
Swell Organ (located in organ space)	<i>meidinger .8 3360</i>
Type	2-P 2116, 1 1/2 HP, 1750 RPM - 6" outlet
Wind	340 c.f.m. @ 4"
Current Specification	1 Ph - 60 Cy - 110 Volts - 7.2 Amperes
Overall Size	2' - 5 3/4" x 1' - 10 3/8" x 2' - 6 1/4" high <i>1' - 9 1/4" x 1' - 7 5/8" x 1' - 9 3/4"</i>

(4) POWER UNIT (located in Swell Organ space)

Rating	DC output - 10-15 volts - 30 Amperes
Current Specification	AC input - 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	14-1/2" x 10-3/4" x 7" high

CONSOLE AND ORGANGREAT ORGAN (Exposed)

1	8	Principal-----	85 pipes
2	8	Gedackt -----	85 pipes
3	8	Gemshorn-----from #13 -----	61 notes
4	4	Octave -----from #1 -----	61 notes
5	4	Gedackt -----from #2 -----	61 notes
6	2	Super Octave-----from #1 -----	61 notes
7	2	Flute -----from #2 -----	61 notes
8	III-IV	Mixture -----	183 pipes
9	8	Krummhorn TC -----	49 pipes
10		Tremolo	

SWELL ORGAN (Expressive)

11	16	Rohrbass-----	85 pipes
12	8	Rohrflöte-----from #11 -----	61 notes
13	8	Gemshorn-----	80 pipes
14	8	Gemshorn Celeste TC -----	49 pipes
15	4	Spitzprincipal -----	73 pipes
16	4	Rohrflöte -----from #11 -----	61 notes
17	2-2/3	Nazard -----from #11 -----	61 notes <i>(repeat 7 top notes)</i>
18	2	Spitzoctave -----from #15 -----	61 notes
19	1-1/3	Larigot-----from #13--	61 notes <i>(repeat 12 top notes)</i>
20	1	Klein Octave-----from #15--	61 notes <i>(repeat 12 top notes)</i>
21	II	Sesquialtera TC -----	98 pipes
22	16	Contre Fagott -----	80 pipes
23	8	Fagott-----from #22-----	61 notes
24	4	Hautbois-----from #22-----	61 notes <i>(repeat 5 top notes)</i>
25		Tremolo	

PEDAL ORGAN

26	16	Principal-----12 pipes, 20 from #1-----	32 notes
27	16	Rohrbass -----from #11 -----	32 notes
28	10-2/3	Quint -----from #11 -----	32 notes
29	8	Principal -----from #1 -----	32 notes
30	8	Rohrflöte -----from #11-----	32 notes
31	4	Choralbass -----from #1-----	32 notes
32	4	Gedackt -----from #2 -----	32 notes
33	32	Fagott Cornet -----from #11 & 22-----	32 notes
34	16	Contre Fagott -----from #22 -----	32 notes
35	8	Fagott -----from #22 -----	32 notes
36	4	Krummhorn -----from #9 -----	32 notes

COUPLERS

37	Great to Pedal
38	Swell to Pedal
39	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3	Affecting Great Organ
Pistons No. 1-2-3	Affecting Swell Organ
Toe Studs No. 1-2-3	Affecting Pedal Organ
Pistons No. 1-2-3-4	Affecting Full Organ (duplicated by toe studs)
General Cancel	

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
Balanced Crescendo Pedal with indicator light (Green jewel)

ACCESSORIES

Motor and power unit on-off switch (lock type) with indicator light (amber jewel)
Concave, radiating pedal clavier
Organ bench with music shelf
Music rack
Music rack light
Pedal light
Movable console platform (custom type)

PIPE ANALYSIS

STOP PITCH PIPES SCALE HALVING MOUTH METAL WIND PRESSURE

GREAT ORGAN

Principal	8	85	48	18-1/2	1/4	1-10 polished zinc 11-21 Zinc, S.M.	3-1/2"	
Gedackt	8	85	56	21-1/2	2/9	18 Zinc, S.M.	3-1/2"	
Mixture	III-IV	183	See formula below					3-1/2"
Krummhorn	8 TC	49	Based on 1" @ 8 CC, Reg. lifting lid			SM tube B(F) Eschallots	3-1/2"	

SWELL ORGAN

Rohrbass	16	85	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste tapered TC 68	19-1/2 21-1/2	2/9 2/9	Wood Wood 5 Zinc, S.M. <i>Sm. O. S. R. M. n. e. p. #31-#74 6 Zinc C.M.</i>	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 1/4	17 Zinc, S.M.	3-1/2"	
Gemshorn Celeste	8 TC	49	56-1/2 Sc. @ 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"	
Sesquialtera	II TC	98	See formula below					3-1/2"
Contre Fagott	16	80	3" CCC to FF half length FF# & up full length			Zinc & S.M. D(F) Eschallots	3-1/2"	

PEDAL ORGAN

Principal	16	12	36	18-1/2	1/4	Zinc	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			
	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.	

SWELL II SESQUIALTRA FORMULA

12	10
17	12
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13-56	57-61

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

32 FAGOTT CORNET WIRING FORMULA

6-2/5 notes #1-12 plays 16 Rohrbass #17-28
 4-4/7 notes #1-12 plays 16 Rohrbass #23-34
 3-5/9 notes #1-12 plays 16 Rohrbass #27-38
 notes #13-32 plays 16 Contre Fagott #1-20

HWN/mc
 10/5/81