

AR SERIES ORGANS
EARMARK FOR

#11566 SANIKU GAKUIN COLLEGE, CHIBA, JAPAN

2/11

SPECIFICATIONS OF SERIES 70-8A ORGAN

GENERAL

(1) ORGAN

Great Organ	Exposed - provide enclosure
Swell Organ	Standard design
	Layout will be supplied.
Wood & Finish	Rift Sawn Oak, M-4150-2
Action	Electro-pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70° F

(2) CONSOLE

Cabinet	Standard design
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) BLOWER (mounted in blower space)

Type	2-P-2118 - 3/4 HP - 1438 RPM - 8" outlet
Wind	440 c.f.m. @ 4" (530 cfm @ 1725 RPM)
Current Specification	1 Ph - 50 Cy - 200 Volts - 4± Amperes
Overall Size	2' - 9-3/4" x 1' - 10-3/8" x 2' 6-1/4" high

(4) POWER UNIT (two required, located in console and organ)

Rating	DC Output 10-15 Volts - 30 Amperes each
Current Specification	1 Ph - 50 Cy - 100 Volts - 12± Amperes each
Overall Size	14-1/2" L x 10-3/4" W x 7" H each

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

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 -----from #2 -----	61 notes
6	4	Gedeckt -----from #1 -----	61 notes
7	2	Flute -----from #1 -----	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	Rohrflöte -----	73 pipes
13	8	Gemshorn -----	80 pipes
14	4	Spitzprincipal -----	73 pipes
15	4	Rohrflöte -----from #12 -----	61 notes
16	2	Spitzoctave -----from #14 -----	61 notes
17	1-1/3	Larigot -----from #13 ----(repeat 12 top notes)-----	61 notes
18	16	Contre Trompette -----	80 pipes
19	8	Trompette -----from #18 -----	61 notes
20	4	Clairon -----from #18----(repeat 5 top notes)-----	61 notes
21		Tremolo	

PEDAL ORGAN

22	16	Bourdon-----from #1-----	32 notes
23	8	Principal -----from #2 -----	32 notes
24	8	Gedeckt -----from #1 -----	32 notes
25	8	Gemshorn -----from #13 -----	32 notes
26	4	Octave -----from #2 -----	32 notes
27	4	Rohrflöte -----from #12 -----	32 notes
28	III	Mixture -----from #8 -----	32 notes
29	16	Contre Trompette -----from #18 -----	32 notes
30	8	Trompette -----from #18 -----	32 notes
31	4	Trichter Regal -----from #9 -----	32 notes

COUPLER

32 Swell to Great

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 stages, 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)
add related electrical wiring.

Concave and radiating pedal keyboard

Organ bench with music shelf

Rigid music rack

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	97	CCC to BBB CC 56	Reg. Manual 21-1/2	Bourdon 2/9	Wood 17 Zinc C.M.)	3-1/2"
Principal	8	73	48	18-1/2	1/4	19 Zinc S.M.	3-1/2"
Mixture	III-IV	183	See Formula Below				3-1/2"
Trichter Regal	4	61	2-1/2" Brass Tube Funnel Top			D(F) Eschallots	3-1/2"

SWELL ORGAN

Rohrflote	8	73	56	21-1/2	2/9	SM O.S. Chimneys (#19-#62) 18 Zinc C.M.	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 S.M.	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Contre Tromette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & S.M.	3-1/2"

GREAT III-IV MIXTURE FORMULA

15	12	12	12	12
19	19	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.