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AR SERIES ORGAN
EARMARK FOR
#10978 PHOENIX & SCOTTSDALE WARDS, L D S, PHOENIX, ARIZONA
SPECIFICATIONS FOR A SERIES 70-7B ORGAN

2/9

GENERAL

(1) ORGAN

Great Organ	Exposed, Supply Enclosure
Swell Organ	Standard Series 70 Design
	Organ layout will be supplied
Wood & Finish	Rift Sawn Oak to customer's sample
Fabric	Mellotone
Action	Electro-Pneumatic (unit type)
Wind Pressure	Offsets 4-1/2", Trebles 3-1/2"
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Series 70 Design with Roll top
Wood & Finish	Rift Sawn Oak to customer's sample
Manual	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

Type	2-P-2116 - 1/2 H.P. - 1750 RPM
Rating	500 c.f.m. @ 4" - 6" outlet
Current Specifications	1 Ph - 60 Cy - 120 Volts - 7.2 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4"

(4) POWER UNIT

Rating	DC Output: 10-15 Volts - 30 Amperes
Current Specifications	AC Input: 1 Ph - 60 Cy - 120 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 (Exposed)

1	16	Bourdon.....	92 pipes
2	8	Principal.....	80 pipes
3	8	Gedeckt.....from #1.....	61 notes
4	8	Gemshorn.....from #13.....	61 notes
5	4	Octav.....from #2.....	61 notes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Super Octav.....from #2...(repeat 5 top notes).....	61 notes
8	2	Flute.....from #1...(repeat 5 top notes).....	61 notes
9	II-III	Mixture.....	136 122 pipes
10		Chimes.....prepared for in console only	
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Spitzflöte.....(low octave from #13).....	73 pipes
13	8	Gemshorn.....	85 pipes
14	8	Gemshorn Celeste T.C.....	49 pipes
15	4	Spitzflöte.....from #12.....	61 notes
16	2	Spitzflöte.....from #12.....	61 notes
17	1-1/3	Larigot.....from #13..(repeat 7 top notes)	61 notes
18	16	Contre Trompette.....	85 pipes
19	8	Trompette.....from #18.....	61 notes
20	4	Clairon.....from #18.....	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	Octavfrom #2.....	32 notes
27	4	Spitzflöte.....from #12	32 notes
28	III	Mixture.....from #7 & 9	32 notes
29	16	Contre Trompette from #18.....	32 notes
30	8	Trompette.....from #18.....	32 notes
31	4	Clairon.....from #18.....	32 notes

COUPLERS

32 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 (~~Toggle~~ ^{Toggle} 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

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE	
<u>GREAT ORGAN</u>								
Bourdon	16	92	CCC 42 CC 56	20-1/2	2/9	1-10 Zinc, 11 up S.M. 10	1-10 4-1/2" 11 up 3-1/2"	
Principal	8	80	CC 52 TC 60	18-1/2	1/4	12 Zinc S.M.	1-12 3 0-1/2 13 up 3-1/2"	
Mixture	II-III	122 ¹²⁶	See Formula Below					3-1/2"
<u>SWELL ORGAN</u>								
Spitzflöte TC	8	73	60-2/3 @ 4'C	19-1/2	2/9	S.M.	3-1/2"	
Gemshorn	8	85	CC 54-1/3 #56 102-2/3	17-1/2 20-1/2 18	2/9 ^{1/4}	12 ¹⁷ Zinc S.M.	3-1/2"	
Gemshorn Celeste T.C.	8	49	56-1/3 @ 8' CC	17-1/2	1/5	S.M.	3-1/2"	
Contre Trompette 16		85	2-1/2" CCC to FF half length FF# up full length D(F) Eschallots			Zinc & S.M.	3-1/2"	

GREAT II MIXTURE FORMULA

	19	19 ^{VR}	15 ¹² 15	12 ¹²	15 ¹⁵
	22	22	19 19		15 ¹² 15
	1-49 ³⁷	33-46 ⁴⁹	50-56 ¹⁸	52-56 ⁴⁷⁻⁵¹	57-61 ⁵⁰⁻⁵⁶
Unison	50	50 Sc.	18-1/2	1/4 mouth	S.M.
Quint	51	51 Sc.	18-1/2	1/4 mouth	S.M.