

AR SERIES ORGAN
EARMARK FOR
#10938, PLANTATION UNITED METHODIST CHURCH, PLANTATION, FLA.
SPECIFICATIONS FOR A SPECIAL 10 RANK SERIES 70 ORGAN

2/13 +4

GENERAL

(1) ORGAN

Great Organ	Unenclosed - Chamber installation
Swell Organ	Enclosed - Chamber installation
	Organ layout will be supplied
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
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 multiple contacts & switches

(3) BLOWER

Type	<i>Meidinger #1004 - 1.7 HP - 3360 RPM - 5-5/8" outlet</i>
Rating	Style 2 F-2116, 1/2 H.P., 1725 R.P.M.
Current Specification	500 c.f.m. @ 4", 6" diam. outlet
Overall Size	1 Ph - 60 Cy - 208 Volts - 3.6 Amperes
	2' 5-3/4" x 1' 10-3/8" x 2' 5-1/4" high
	<i>1'-9-1/4" x 1' -7-5/8" x 2'-2" high</i>

(4) POWER UNIT (located in Blower Space)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input - 1 Ph - 60 Cy - 208 Volts - 6 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 (unenclosed)

1.	8	Principal.....	73 pipes
2.	8	Gedeckt.....	85 pipes
3.	8	Gemshorn.....from #13.....	61 notes
4.	4	Octave.....from #1.....	61 notes
5.	4	Gedeckt.....from #2.....	61 notes
6.	2	Flute.....from #2.....	61 notes
7.	III	Mixture.....	183 pipes
8.	II	Sesquialtera.....	122 pipes
9.	8	Schalmei.....	61 pipes
10.		Chimes.....Mayland 21 with electric actions, relays, transformer, volume control relay, etc. A = #22 to F = #42	21 tubes
11.		Tremolo	

SWELL ORGAN

12.	8	Rohrflote.....	73 pipes
13.	8	Gemshorn.....	80 pipes
14.	8	Gemshorn Celeste TC.....	49 pipes
15.	4	Spitzprincipal.....	73 pipes
16.	4	Rohrflote.....from #12.....	61 notes
17.	2	Spitzoctave.....from #15.....	61 notes
18.	1-1/3	Larigot.....from #13..(repeat 12 top notes).....	61 notes
19.	16	Contre Trompette.....	80 pipes
20.	8	Trompette.....from #19.....	61 notes
21.	4	Clairon.....from #19..(repeat 5 top notes).....	61 notes
22.		Tremolo	

* ANTIPHONAL ORGAN (prepared for in console only)
(Playable from Great Manual)

23.	8	Rohrflote
24.	4	Principal
25.	2	Rohrflote
26.	II	Mixture

(*) Provide Blind Unison Switch in console wired to junction.

PEDAL ORGAN

27.	16	Bourdon.....12 pipes, 20 from #2.....	32 notes
28.	8	Principal.....from #1.....	32 notes
29.	8	Gedeckt.....from #2.....	32 notes
30.	8	Gemshorn.....from #13.....	32 notes
31.	4	Octav.....from #1.....	32 notes
32.	4	Rohrflote.....from #12.....	32 notes
33.	III	Mixture.....from #7.....	32 notes
34.	16	Contre Trompette...from #19.....	32 notes
35.	8	Trompette.....from #19.....	32 notes
36.	4	Clarion.....from #19.....	32 notes

COUPLER

37. 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 (lock type) with indicator light (red jewel)
 and related wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf and backrest
 Rigid music rack

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
<u>GREAT ORGAN</u>							
Principal	8	73	CC 52 TC 60	18	1/4	12 All Zinc 13-17 Zinc & S.M. 18 up S.M.	) 1-12 4-1/2" 13 up 3-1/2"
Gedeckt	8	85	CC to BB Reg. Artiste Tapered Basses Wood TC up Reg. Artiste Treble Wood & S.M.				1-4 4-1/2" 5 up 3-1/2"
Mixture	III	183	See Formula "A" Below				S.M. 3-1/2"
Sesquialtera	II	122	See Formula "B" Below				S.M. 3-1/2"
Schalmei	8	61	2-1/16" Open Oboe Pattern, <i>lifting lid, half length</i> <i>1-49 inc. 49 reeds</i> (half length) C(F) Eschallots				3-1/2"
<u>SWELL ORGAN</u>							
Rohrflote	8	73	56	21	2/9	S.M. O.S. Chimneys 12 Zinc S.M.	3-1/2"
Gemshorn	8	80	CC 54-1/3 #56 102-2/3	17 20	2/9 2/9	12 Zinc S.M.	3-1/2"
Gemshorn Celeste	8 TC	49	56-1/3 @ 8'	CC 17	1/5	S.M.	3-1/2"
Spitzprincipal	4	73	60-3/4	18	1/4	S.M.	3-1/2"
Contre Trompette	16	80	2-1/2	CCC to FF half length FF# up full length		D(F) Eschallots Zinc & S.M.	3-1/2"
<u>PEDAL ORGAN</u>							
Bourdon	16	12	Reg. Manual Bourdon				Wood 4-1/2"

MIXTURE FORMULAS

Great III Mixture Formula "A"

15	12	8
19	15	12
22	19	15
1-42	43-48	49-61

Unison	50 Sc.	18-1/2	1/4 mouth	S.M.
Quint	51 Sc.	18-1/2	1/4 mouth	S.M.

II Rks. Sesquialtera Formula "B"

12	12
17	15
1-50	51-61

12th	66-3/4	20-1/2	2/9 mouth	S.M.
15th	73	19-1/2	2/9 mouth	S.M.
17th	75-2/3	20-1/2	1/5 mouth	S.M.