

AR SERIES ORGAN
 EARMARK FOR
 #11224 MEMORIAL LUTHERAN CHURCH, KATY, TEXAS
 SPECIFICATIONS FOR A SERIES 70-8D ORGAN

2/12
GENERAL

(1) ORGAN

Organ	Exposed Great, Double-Decked
	Layout will be supplied
Wood & Finish	Rift Sawn Oak - M-4150-2 <i>to customer's sample</i>
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design
Wood & Finish	Rift Sawn Oak - M-4150-2 <i>to customer's sample</i>
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 HP - 1750 RPM - 6" outlet
Wind	440 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 220 Volts - 3.6 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4"

(4) POWER UNIT (located in console cabinet)

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-----	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	II	Sesquialtera T.C.-----	98 pipes
9	III-IV	Mixture-----	183 pipes
10		Chimes---(prepared for in console only)	
11		Tremolo	

SWELL ORGAN

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

<i>21a</i>	<i>16</i>	<i>Principal</i>	<i>12 pipes, 20 from #2</i>	<i>32 notes</i>
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 #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

COUPLER

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)

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

Concave and radiating pedal keyboard

Organ bench with music shelf

Music rack

PIPE ANALYSIS

P	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	97	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC up Reg. Artiste Treble			Wood) Wood) Wood & S.M.)	3-1/2"
Principal	8	73	48	18-1/2	1/4	17 Zinc S.M.	3-1/2"
Mixture	III-IV	183	See Formula Below				3-1/2"
Sesquialtera	II TC	98	See Formula Below				3-1/2"

SWELL ORGAN

Flute	8	73	56	21-1/2	2/9	SM O.S. Chimneys (#19-#62) 18 Zinc S.M.	3-1/2"
Shorn	8	80	CC 56 C 68-1/3 #56 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	17 Zinc S.M.	3-1/2"
Principal	4	73	60-2/3	18-1/2	1/4	5 Zinc S.M.	3-1/2"
Treble Trompette	16	80	2-1/2" 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	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.

GREAT II SESQUIALTERA TC FORMULA

12	10			
17	12			
13-56	57-61			
2-2/3	74 @ 13	17-1/2	2/9 mouth	S.M.
1-3/5	82 @ 13	17-1/2	1/5 mouth	S.M.

Pedal Organ

3 1/2"