

AR SERIES ORGANS
 EARMARK FOR
 #11189, THOR LUTHERAN CHURCH, THOR, IOWA
 SPECIFICATIONS FOR A 9RANK SERIES 70 ORGAN

2/13

GENERAL

(1) ORGAN

Great Organ
 Swell Organ
 Wood & Finish

Action
 Wind Pressure
 Pitch

Exposed, *no enclosure*
 Standard Design
~~Rift Sawn Oak, to customer's sample~~
Selected Dull Charcoal Gray
 Layout will be supplied
 Electro-Pneumatic
 See Pipe Analysis
 A-440 @ 70°F

(2) CONSOLE

Cabinet
 Wood & Finish
 Manuals
 Manual Compass
 Pedal Compass
 Stop Controls
 Action

Standard Design with roll top
 Rift Sawn Oak to customer's sample
 Two and Pedal
 CC to C4, 61 notes
 CCC to G, 32 notes
 Tilting Tablets
 All Electric

(3) BLOWER (located within blower area)

Type
 Wind
 Current Specification
 Overall Size

Kinetic 2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
 440 c.f.m. @ 4"
 1 Ph - 60 Cy - 330 Volts - 3.6 Amperes
 2' - 5 3/4" x 1' - 10 3/8" x 2' - 6 1/4" high

(4) POWER UNIT (mounted in console)

Rating
 Current Specification
 Overall Size

DC Output: 10-15 Volts, 30 Amperes
 AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
 1' - 2-1/2" long x 10 3/4" wide x 7" high

* * * * *

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon		85 pipes
2	8	Principal		85 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	Super Octave	from #2	61 notes
8	II	Sesquialtera T.C.		98 pipes
9	III-IV	Mixture		183 pipes
10	8	Trompette	from #19	61 notes
11		Tremolo		

SWELL ORGAN (Enclosed)

12	8	Rohrflote	73 pipes
13	8	Gemshorn	80 pipes
14	8	Gemshorn Celeste TC	49 pipes
15	4	Spitzprinzipal	73 pipes
16	4	Rohrflote	from #12 61 notes
17	2	Spitzoctav	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	

PEDAL ORGAN

23	16	Bourdon	from #1 32 notes
24	8	Principal	from #2 32 notes
25	8	Gedeckt	from #1 32 notes
26	8	Gemshorn	from #13 32 notes
27	4	Octave	from #24 32 notes
28	4	Rohrflote	from #12 32 notes
29	III	Mixture	from #9 32 notes
30	16	Contre Trompette	from #19 32 notes
31	8	Trompette	from #19 32 notes
32	4	Clairon	from #19 32 notes

(*) Exposed

COUPLER

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6

Affecting Full Organ (beneath Swell center)

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 type) with indicator light (red jewel) and related wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf
 Music rack
 Music rack light
 Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
------	-------	-------	-------	---------	-------	-------	---------------

GREAT ORGAN

Bourdon	16	85	CCC to BBB Reg. Manual Bourdon			Wood)	
			CC to BB Reg. Artiste Tapered Bass			Wood)	3-1/2"
			TC up Reg. Artiste Treble			Wood & S.M.)	
Principal	8	85	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

Rohrflote	8	73	56	21-1/2	2/9	SM O.S. Chimneys 19-62 18 Zinc S.M.	3-1/2"
Gemshorn	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"
Gemshorn Celeste	8 TC	49	58-1/3 @ 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	5 Zinc 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"

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 MIXTURE FORMULA

12	10
17	12
13-56	57-61
2-2/3	68-3/4
2	74
1-3/5	75-2/3
18-1/2	2/9 mouth
18-1/2	2/9 mouth
18-1/2	1/5 mouth

2-2/3 74 Sc @ 13 17 1/2 2/9 mouth
 1-3/5 82 Sc @ 13 17 1/2 1/5 mouth