

H.R. Daniels

AR SERIES ORGANS
EARMARK FOR
#11482, MESSIAH COLLEGE, GRANTHAM, PENNSYLVANIA
SPECIFICATIONS OF A 4 RANK SERIES 70 ORGAN

2/4

GENERAL

(1) ORGAN (All exposed on movable platform, provide paneling)

Wood & Finish	Rift Sawn Oak, M-4150-2
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F
Cable length	24 ft. (x) to (x)

(2) CONSOLE

Cabinet	Standard design (movable)
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 (located with organ)

Type	Meidinger 1002 - .4 HP - 3360 RPM - 4" outlet
Wind	220 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 208 Volts - 2.2 Amperes
Overall Size	1' - 6-7/8" x 1' - 6-1/8" x 1' - 10-1/4"

(4) POWER UNIT (located with organ)

Rating	DC Output: 10 to 15 Volts - 30 Amperes
Current Specifications	AC Input: 1 Ph - 60 Cy - 220 Volts - 10 Amperes
Overall Size	14-1/2" long x 10-3/4" wide x 7" high

MANUAL I

1	8	Principal-----	(present pipes)-----	85 pipes
2	8	Bordun -----	from #6-----	61 notes
3	4	Octave -----	from #1-----	61 notes
4	2	Flöte -----	from #6-----	61 notes
5	II-III	Mixture -----		159 pipes

MANUAL II

6	8	Gedackt-----	(present pipes)-----	85 pipes
7	4	Flöte -----	from #6-----	61 notes
8	2-2/3	Nasat-----	(present pipes)-----	73 pipes
9	2	Principal-----	from #1-----	61 notes
10	1-1/3	Quint-----	from #8-----	61 notes
11	1	Siffelöte-----	from #6--(repeat 12 top notes)-----	61 notes

PEDAL ORGAN

12	16	Subbass-----12 pipes, 20 from 6-----	32 notes
13	8	Principal-----from #1-----	32 notes
14	8	Gedackt-----from #6-----	32 notes
15	4	Choralbass-----from #1-----	32 notes
16	4	Gedackt-----from #6-----	32 notes

COUPLERS

17	Manual I to Pedal 8'
18	Manual II to Pedal 8'
19	Manual II to Manual I 8'

PEDAL MOVEMENTS

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor 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
Movable platforms for console and organ unit
Music rack light
Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
Principal (pres.pipes)	8	85					
Gedackt (pres.pipes)	8	85					
Clasat (pres.pipes)	2-2/3	73					
Mixture	II-III	159	See Formula Below				3-1/2"
Subbass	16	12	Reg. Manual Bordun			Wood	3-1/2"

II-III MIXTURE FORMULA

	22	19	15	15	12
	26	22	19	19	15
		26	22		
	1-12	13-24	25-49	50-54	55-61
Unison	50 Sc. @ 8' C	17-1/2	1/4 mouth		S.M.
Quint	52 Sc. @ 8' C	17-1/2	1/4 mouth		S.M.