

11795

MESSIAH LUTHERAN CHURCH, GRAND ISLAND, NEBRASKA

SPECIFICATIONS FOR SERIES 80-12 PLUS CELESTE ORGAN ^{2/14} REVISED
WITH EXPOSED GREAT AND GEMSHORN CELESTE

GENERAL

(1) ORGAN

Cabinet-1 required	Standard Design
Wood & Finish	Silvite
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Standard Design - Rolltop
Wood & Finish	Rift Sawn Oak - M-4150-2 To CUSTOMER'S SAM
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone & Walnut
Pedal Compass	CCC to G, 32 notes - Maple & Walnut - Tracker Touch
Stop Controls	Maple Tilting Tablets
Action	All electric with under-key contacts

(3) BLOWER (detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	440 CFM @ 4-1/2" - 6" outlet
Current Specification	1 Phase, 60 Cycles, 120 Volts, 4.6 Ampere
Overall Size	1'-5 3/4" wide x 1-9 1/2" long x 1'-7 1/2" high

(4) POWER UNIT (mounted in Swell organ cabinet)

Rating	DC output - 11-15 Volts - 20 Amperes
AC Input	1 Phase, 60 Cycles, 120 Volts, 4.5 Ampere
Overall Size	9" wide x 10-1/2" deep x 5" high

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CONSOLE AND ORGAN

GREAT ORGAN - Unenclosed

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|----|----|--|
| 1. | 16 | Gemshorn.....from #14 & 15.....61 note |
| 2. | 8 | Principal.....85 pipe |
| 3. | 8 | Gedeckt.....85 pipe |
| 4. | 8 | Gemshorn.....from #15.....61 note |
| 5. | 4 | Octave.....from #2.....61 note |

GREAT ORGAN (Continued)

6.	4	Gedeckt.....	from #3.....	61	notes
7.	2	Super Octave.....	from #2.....	61	notes
8.	2	Gedeckt.....	from #3.....	61	notes
9.	II	Sesquialtera TC.....		98	pipes
10.	III-IV	Mixture.....		224	pipes
11.	8	Krummhorn.....		61	pipes
12.		Chimes.....	prepared for in console only		

present Deagan bells, new electric action,
transformer relays + volume control, A to F,

SWELL ORGAN

#22 to 42.... 21 bells

13.	8	Spitzprincipal....	#1-12 from #14 & 17.....	73	pipe
14.	8	Rohrflote.....		73	pipe
15.	8	Gemshorn.....		80	pipe
16.	8	Gemshorn Celeste TC.....		49	pipe
17.	4	Spitzprincipal.....	from #13.....	61	note
18.	4	Rohrflote.....	from #14.....	61	note
19.	2-2/3	Nasat.....	from #14.....	61	note
20.	2	Spitzoctave.....	from #13.....	61	note
21.	1-1/3	Larigot.....	from #15 (repeat top octave)...	61	note
22.	1	Klein Octave...	from #13 (repeat top octave)...	61	note
23.	16	Contre Trompette.....		85	pipe
24.	8	Trompette.....	from #23.....	61	note
25.	4	Clairon.....	from #23.....	61	note
26.		Tremolo			

PEDAL ORGAN

27.	32	Untersatz.....	from #2	32	note
28.	16	Principal.....	12 pipes; 20 from #2.....	32	note
29.	16	Bourdon.....	12 pipes; 20 from #3.....	32	note
30.	8	Octave.....	from #2.....	32	note
31.	8	Rohrflote.....	from #14.....	32	note
32.	4	Choralbass.....	from #2.....	32	note
33.	4	Gedeckt.....	from #3.....	32	note
34.	III	Mixture.....	from #10.....	32	note
35.	32	Trompette Cornet.....	from #23 & 29.....	32	note
36.	16	Contre Trompette.....	from #23.....	32	note
37.	4	Clairon.....	from #23.....	32	note

COUPLERS

38.	Great to Pedal
39.	Swell to Pedal
40.	Swell to Great

ADJUSTABLE COMBINATIONS
(Solid State - Single Memory)

Pistons No. 1-2-3-4-5-6-7-8-9-10
General Cancel
Combination Adjustor

Affecting Full Organ

PEDAL MOVEMENTS

Zimbelstern - toe lever (5 bells) *(Schulmerich volume control)*
Balanced Expression Pedal - Great Organ (~~8 contacts, make to close~~)
Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Concave, radiating pedal clavier
Organ bench with music shelf
Transparent music rack with light
Pedal light
Two (2) signal lights and pistons
Motor and power unit on-off switch (lock type) with indicator light
(amber jewel) and related electric wiring
Schulmerich Control Panel Mounted on Console (Supplied by church)

PIPE ANALYSIS

STOP	CODE	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W
<u>GREAT ORGAN</u> - Unenclosed								
Principal	1RB	8	85	43	17	1/4	12 Zinc #1-12 ⁵ #13 up ₆	4- 3-
Gedeckt	1CF	8	85	CC Reg. Art. Tap. Bass Wood TC 68 21 2/9 CM <i>Reg. Man. Bdn.</i>			#1-4 4- #5 up 3- <i>3 1/2</i>	
Sesquialtera TC	1PG	II	98	See Formula "A"			SM	3-
Mixture	1NV	III-IV	224	See Formula "B"			SM	3-
Krummhorn	1D6	8	61	1-5/8" Dulzian lift lid			CM B(F) Esch.	3-

PIPE ANALYSIS (Continued)

STOP	CODE	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W
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SWELL ORGAN - Enclosed

Spitzprincipal TC	3SD	8	73	60-3/4	18	1/4	CM	3
Rohrflote	3RG	8	73	56	21	2/9	12 Zinc CM	
					No. 2 O.S. Chimneys #19-44			
								3-
Gemshorn	3ER	8	80	CC 56	19	2/9	12 Zinc CM	
				C 68-1/2	19	2/9		
				#56 98	17	1/6		3-
Gemshorn Celeste TC	3ES	8	49	CC 56-1/2	19	2/9	SM	3-
Contre Trompette	3B9	16	85	3" CCC to FF 1/2 length FF# up full length			C(F) Esch. Zinc &	3-

PEDAL ORGAN

Principal	9CT	16	12	31 ^{33/43}	17	1/4	Zinc	3- ⁴
Bourdon	9BD	16	12	Reg. Man Bdn.			Wood	4-

GREAT II SESQUIALTERA TC FORMULA "A"

	12	10
	17	12
	13-56	57-61
2-2/3	74 Sc. @ #13	18-1/2 2/9 mouth SM
1-3/5	82 Sc. @ #13	18-1/2 1/5 mouth SM

GREAT III-IV MIXTURE FORMULA "B"

19	15	12	8	1
22	19	15	12	8
26	22	19	15	12
	26	22	19	15

1-20	21-32	33-44	45-48	49-61
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All ranks based on 48 Sc. @ 8'C 17 1/4 mouth SM 60° lgd. no ears

16 GEMSHORN WIRING SCHEMATIC

#1-12 plays 8 Gemshorn #1-12
#1-12 plays 8 Rohrflote #8-19
#13-61 plays 8 Gemshorn #1-49

8 SPITZPRINCIPAL WIRING SCHEMATIC

#1-12 plays 8 Rohrflote #1-12
#1-12 plays 8 Gemshorn #1-12
#1-12 plays 8 Rohrflote #13-24
#13-61 plays 4 Spitzprincipal #1-49

32 UNTERSATZ WIRING SCHEMATIC

#1-12 plays 16 Bourdon #1-12
#1-12 plays 16 Bourdon #8-19
#13-32 plays 16 Bourdon #1-20

32 TROMPETTE CORNET WIRING SCHEMATIC

#1-12 plays Unison 16 Bourdon #1-12
#1-12 plays 6-2/5 16 Bourdon #17-28
#1-12 plays 4-4/7 16 Bourdon #23-34
#1-12 plays 3-5/9 16 Bourdon #27-38
#13-32 plays 32 pitch 16 Contre Trompette #1-20

DLA/jm
10-6-89

Salesman: Richard Gayhart