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M. P. MOLLER ORGAN FACTORY

11776

CHURCH OF ST. RITA (R.C.), HAMDEN, CONNECTICUT

SPECIFICATIONS FOR SERIES 80-12 PLUS ORGAN
WITH EXPOSED GREAT AND GEMSHORN CELESTE
To be completed December 1, 1988

REVISED

GENERAL

(1) ORGAN

Cabinets	Layout will be provided
Wood & Finish	Standard Design with exposed pipes
Action	Rift Sawn Oak - to customer's sample
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Standard 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 under-key contacts

(3) BLOWERS (two detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	340 CFM @ 4" each - .6" outlets
Current Specification	1 Ph 60 Cy 120 Volts 4.6 Amperes each
Overall Size	1'-5 3/4" W x 1'-9 1/2" L x 1'-7 1/2" H

(4) POWER UNIT (in Swell organ cabinet)

Rating	DC output - 11-15 Volts - 35 Amperes
AC Input	1 Phase 60 Cycles 120 Volts 7.5 Amperes
Overall Size	11" wide x 11" deep x 5" high

CONSOLE AND ORGAN

GREAT ORGAN - Enclosed (see footnote) 13

1	16	Bourdon.....	97 pipes
* 2	8	Principal.....	61 pipes
3	8	Gedeckt.....from #1.....	61 notes
4	II	Flute Celeste.....	110 pipes
* 5	4	Octave.....	73 pipes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Super Octave..from #5.....	61 notes
8	2	Gedeckt.....from #1.....	61 notes
9	II	Sesquialtera TC.....	98 pipes
* 10	III-IV	Mixture.....	208 pipes
11	8	Cromorne.....	61 pipes
* 12	8	Bombarde.....	61 pipes
13		Tremolo	

SWELL ORGAN - Enclosed &

14	8	Rohrflote.....	73	pipes
15	8	Viole de Gambe.....	80	pipes
16	8	Viole Celeste TC.....	49	pipes
17	4	Spitzprincipal.....	73	pipes
18	4	Rohrflote.....from #14.....	61	notes
19	2	Spitzoctave...from #17.....	61	notes
20	1-1/3	Larigot.....from #15...(repeat top octave)...	61	notes
21	1	Klein Octave..from #17...(repeat top octave)...	61	notes
22	16	Contre Trompette.....	85	pipes
23	8	Trompette.....from #22.....	61	notes
24	4	Clairon.....from #22.....	61	notes
25		Tremolo		

PEDAL ORGAN :

* 26	16	Principal.....	56	pipes
27	16	Bourdon.....from #1.....	32	notes
28	8	Octave Principal...from #26.....	32	notes
29	8	Rohrflote.....from #14.....	32	notes
30	4	Choralbass....from #26.....	32	notes
31	4	Gedeckt.....from #1.....	32	notes
32	III	Mixture.....from #10.....	32	notes
* 33	16	Contre Bombarde....12 pipes, 20 from #12.....	32	notes
34	16	Contre Trompette...from #22.....	32	notes
35	8	Bombarde.....from #12.....	32	notes
36	4	Clairon.....from #22.....	32	notes

* Exposed pipes

COUPLERS

- 37 Great to Pedal
- 38 Swell to Pedal
- 39 Swell to Great

ADJUSTABLE COMBINATIONS
Solid State - Single Memory

- Pistons No. 1-2-3-4-5-6-7-8 Affecting Full Organ
- General Cancel
- Combination Adjustor
- Combination Lock

PEDAL MOVEMENTS

- 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 claviver
- Organ bench with music shelf
- Transparent music rack with light
- Pedal light
- Motor and power unit on-off switch (lock type) with indicator light (amber jewel) and related electric wiring

PIPE ANALYSIS

STOP _____ PITCH _____ PIPES _____ SCALE _____ HALVING _____ MOUTH _____ REMARKS _____ W.P. _____

GREAT ORGAN - Enclosed (see footnote)

Bourdon	16	97	CCC Reg. Man. Bdn.	Wood	#1-16	4-1/2"
			CC Reg. Art. Tap. Bass	Wood	#17 up	3-1/2"
			TC 68 21 2/9	CM		
* Principal	8	61	43	17	1/4	12 Zinc SM 3-1/2"
Flute Celeste II		110				(#1-12 4-1/2"
Unison	54-1/2/60-1/2	18	1/6	12 Zinc CM	(#13 up	3-1/2"
Celeste	62-1/2	18	1/6	CM		3-1/2"
(Unison rank #13 up to have feet 6" longer than normal)						
* Octave	4	73	58	18	1/4	SM 3-1/2"
Sesquialtera TC II		98	See formula		SM	3-1/2"
* Mixture	III-IV	208	See formula		SM	3-1/2"
Cromorne	8	61	1" Reg. SM Tube		B(F) Esch.	3-1/2"
* Bombarde	8	61	3-7/8" Reg.		C(F) Esch.	5"
					Zinc & SM	

SWELL ORGAN - Enclosed

Rohrflote	8	73	CC Reg. Art. Tap. Bass	Wood		3-1/2"
			TC 68 21 2/9	CM		
			Sm. I. S. Chimneys	#19-62		
Viole de Gambe	8	80	CC 56	19	2/9	12 Zinc SM 3-1/2"
			C 68	19	2/9	
			#56 98	17	1/6	
Viole Celeste	8 TC	49	CC 56	19	2/9	SM 3-1/2"
Spitzprincipal	4	73	60-2/3	18	1/4	CM 3-1/2"
Contre Trompette	16	85	3" CCC to FF half length	C(F) Esch.		3-1/2"
			FF# up full length	Zinc & SM		

PEDAL ORGAN

* Principal	16	56	31/44	17	1/4	24 Zinc SM
						#1-12 5"
						#13 up 3-1/2"
* Contre Bombarde	16	12	6" Reg.		Zinc B-C(F) Esch.	5"
* Exposed						

This sheet revised February 8, 1989

PIPE ANALYSIS

STOP PITCH PIPES SCALE HALVING MOUTH REMARKS

GREAT II SESQUIALTERA 12 FORMULA

12	10
17	12
13-56	57-61

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

GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12	12
26	22	19	15	15	15	
29	26	22	19	19		
	29	26	22			
1-12	13-18	19-30	31-49	50-54	55-56	57-61

Unison	47	Sc.	18-1/2	1/4 mouth	SM
Quint	50	Sc.	18-1/2	1/4 mouth	SM