

LIVERPOOL CATHEDRAL GRAND ORGAN SPECIFICATION

PEDAL ORGAN - 35 stops [Partially enclosed]
(* indicates stop is enclosed in separate swell box)

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
Resultant Bass	64	10	Open Flute*	8	6
Double Open Bass	32	10	Bass Flute	8	6
Double Ppen Diapason	32	10	Fifteenth	4	10
Contra Violone	32	10	Flûte Triangulaire*	4	6
Open Bass	16	6	Octave Flute	4	6
Tibia	16	5	Gedact	4	6
Open Diapason	16	6	Mixture (15.19.22)	3 rks	6
Contra Basso	16	10	Fourniture (15.19.22.26.29)	5 rks	6
Geigen*	16	6	Fagotto*	16	6
Violon*	16	6	Octave Bassoon*	8	6
Dolce	16	6	Contra Trombone*	32	20
Bourdon	16	6	Trombone*	16	20
Sub Bass	16	6	Ophicleide	16	20
Principal	8	10	Clarion	8	20
Violoncello*	8	6	Contre Bombarde	32	30
Violone	8	6	Bombarde	16	30
Stopped Flute	8	6	Bombarde	8	30
			Bombarde	4	30

CHOIR ORGAN - 23 stops [Partially enclosed]

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	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
Gedact	8	4	Unda Maris (FF)	8	4
Spitz Principal	4	4	Octave Viola	4	4
Nasat	2 ^{2/3}	4	Suabe Flöte	4	4
Coppel	2	4	Octavin	2	4
Terz	1 ^{3/5}	4	Dulciana Mixture		
Spitzflöte	1	4	(10.12.17.19.22)	5 rks	4
Cymbel (29.33.36)	3 rks	4	Bass Clarinet	16	4
			Baryton	16	4
			Corno-di-Bassetto	8	4
			Cor Anglais	8	4
			Vox Humana	8	4
			Trompette Harmonique	8	7
			Clarion	4	7
			Tremulant	-	-

Enclosed section

Contra Viola	16	4
Violin Diapason	8	4
Viola	8	4
Claribel Flute	8	4

GREAT ORGAN - 29 stops & 1 coupler [unenclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
Contra Violone	32	10	Octave No 2	4	5
Double Open Diapason	16	10	Principal	4	5
Contra Tibia	16	5	Gemshorn	4	5
Bourdon	16	5	Flûte Couverte	4	5
Double Quint	10 ^{2/3}	5	Tenth	3	5
Open Diapason No 1	8	10	Twelfth	2 ^{2/3}	5
Open Diapason No 2	8	10	Super Octave	2	10
Open Diapason No 3	8	5	Fifteenth	2	5
Open Diapason No 4	8	5	Mixture (12.15.19.21.22)	5 rks	5
Open Diapason No 5	8	5	Furniture (19.22.24.26.29)	5 rks	6
Tibia	8	5	Double Trumpet	16	15
Doppel Flöte	8	5	Trompette Harmonique	8	15
Stopped Diapason	8	5	Trumpet	8	15
Quint	5 ^{1/3}	5	Clarion	4	15
Octave No 1	4	10	Grand Chorus on Great	-	-

SWELL ORGAN - 31 stops [Enclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
Contra Geigen	16	5	Lieblich Piccolo	2	5
Contra Salicional	16	5	Seventeenth	1 ^{3/5}	5
Lieblich Bordun	16	5	Sesquialtera		
Open Diapason	8	5	(10.12.17.19.22)	5 rks	5
Geigen	8	5	Mixture		
Tibia	8	7	(15.19.22.26.29)	5 rks	5
Wald Flöte	8	5	Contra Hautboy	16	7
Lieblich Gedact	8	5	Hautboy	8	7
Echo Viola	8	5	Krummhorn	8	7
Salicional	8	5	Waldhorn	16	10
Vox Angelica (FF)	8	5	Cornocean	8	10
Octave	4	5	Clarion	4	10
Octave Geigen	4	5	Double Trumpet	16	15
Salicet	4	5	Trompette Harmonique	8	15
Lieblich Flöte	4	5	Trumpet	8	15
Nazard	2 ^{2/3}	5	Octave Trumpet	4	15
Fifteenth	2	5	Tremulant (5 inch wind)	-	-
			Tremulant (7 inch wind)	-	-

SOLO ORGAN - 22 stops & 1 coupler [partially enclosed]

<u>Unenclosed section</u>			<i>Feet</i>	<i>Press</i>
	<i>Feet</i>	<i>Press</i>		
Contra Hohl Flöte	16	7	Flûte Harmonique	8 7
Hohl Flöte	8	7	Concert Flute	4 7
Octave Hohl Flöte	4	7	Piccolo Harmonique	2 7
			Cor anglais	16 7
			Clarinet (orchestral)	8 7
			Oboe (orchestral)	8 7
			Bassoon (orchestral)	8 7
			French Horn	8 7
			Contra Tromba	16 20
			Tromba Real	8 20
			Tromba	8 20
			Tromba Clarion	4 20
			Solo Trombas on Great	- -
			Tremulant	- -
<u>Enclosed section</u>				
<i>(String tone)</i>				
Contre Viole	16	7		
Viole d'orchestre	8	7		
Viole-de-Gambe	8	7		
Violes Célestes (FF)	8	7		
Octave Viola	4	7		
Violette	2	7		
Cornet des Violes	3 rks	7		
(10.12.15)				

BOMBARDE ORGAN - 5 stops [unenclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
Grand Chorus			Tuba	8	30
(sub unison.unison.			Tuba Clarion	4	30
5.8.12.15.19.22.26.29)	10 rks	6	Tuba Magna	8	50
Contra Tuba	16	30			

CORONA ORGAN - 1 stop [unenclosed]

	<i>Feet</i>	<i>Press</i>
Trompette Militaire	8	50

CENTRAL ORGAN - 5 stops [unenclosed]

	<i>Feet</i>	<i>Press</i>
Bourdon	16	4¾
Open Diapason	8	4¾
Principal	4	4¾
Super Octave	2	4¾
Mixture	2-6 rks	4¾

CENTRAL PEDAL - 1 stop [unenclosed]

	<i>Feet</i>	<i>Press</i>
Bourdon	16	4¾

COUPLERS - 51 stops

Bombarde Octave
Bombarde Unison Off
Bombarde Sub Octave
Solo Octave
Solo Unison Off
Solo Sub Octave
Swell Octave
Swell Unison Off
Swell Sub Octave
Choir Octave
Choir Unison Off
Choir Sub Octave

Bombarde to Choir
Solo to Choir
Swell to Choir
Great to Choir
Bombarde to Great
Solo to Great
Swell to Great
Choir to Great
Solo to Swell
Great to Bombarde
Bombarde to Pedal
Solo Tenor Solo to Pedal
Solo to Pedal
Swell to Pedal
Great to Pedal
Choir to Pedal

Corona Octave
Corona Sub Octave
Central Octave
Central Sub Octave

Corona on Bombarde
Corona on Choir
Central on Bombarde
Central on Great

Great & Central Combs. Coupled

COUPLERS PRESENT AS DIVISIONALS

Grand Chorus on Great
Solo Trombas on Great
Corona on Bombarde
Corona on Choir
Corona Octave
Corona Sub Octave
Great & Pedal Combs. Coupled

ACCESSORIES

Pedal Stops Off
All Doubles Off
All Couplers Off
Octave Coupler Cancel
Swell pistons on General toe pistons
Great & Pedal Combs. Coupled
Great & Central Combs. Coupled

ADJUSTABLE PISTONS

0 1 2 3 4 5 6 7 8 9 10 Toe pistons to Pedal Organ
0 1 2 3 4 5 6 7 8 9 10 Thumb pistons to Choir Organ
0 1 2 3 4 5 6 7 8 9 10 Thumb pistons to Great Organ
0 1 2 3 4 5 6 7 8 9 10 Thumb pistons to Swell Organ
0 1 2 3 4 5 6 7 8 9 10 Thumb pistons to Solo Organ
0 1 2 3 4 Thumb pistons to Bombarde Organ
0 1 2 3 Thumb pistons to Corona Organ
0 1 2 3 4 Thumb pistons to Central Organ
0 1 2 3 4 5 6 7 8 9 10 General Pistons

General pistons are to be found on the key cheeks
Nos. 1-5 at the bass end, and 6-10 at the treble end.
They are also duplicated above the Bombarde manual
Nos. 6-10 at the bass end, and 1-5 at the treble end.

REVERSIBLE PISTONS

In Choir Key slip

Bombarde to Choir
Solo to Choir
Swell to Choir
Choir to Pedal

In Great Key slip

Bombarde to Great
Solo to Great
Choir to Great
Swell to Great
Great to Pedal
Solo Trombas on Great
Grand Chorus on Great
Great & Pedal Combs. Coupled
Advance Sequencer
Reverse Sequencer

In Swell Key slip

Pedal stops Off
All doubles Off
Solo to Swell
Swell to Pedal

In Solo Key slip

Solo to Pedal

In Choir Key slip

General Cancel

In Bombarde Key slip

Great to Bombarde
Bombarde to Pedal
Corona on Bombarde
Corona on Choir

Toe Pistons

Great to Pedal
Bombarde to Pedal
Bombarde to Great
Full Organ
Grand Chorus on Great
Great & Pedal Combs. Coupled

Cancels

In Great Key slip

All Couplers Off
Octave Couplers Cancel
General Cancel

Above Bombarde manual

General Cancel
Great & Pedal Combs. Coupled
Great to Pedal
Full Organ

Toe Piston

Pedal Cancel
General Cancel

ADDITIONAL CONSOLE CONTROLS

Multi-switchplate for control of four Swell boxes on any of three Swell pedals.

Swell box state is indicated by a row of LEDs above the stops they enclose.

1 Digital Crescendo Pedal (0-37) acting on Swell, Great and Pedal [with LED indicator].

6 User levels on choir & recital console, selected by pass-card. Each user level features 64 levels of general and divisional pistons, plus a dedicated sequencer to 999 steps with additional inserts.

1 Key-switch for Corona Blower

1 Key-Card Reader

1 Console Transformer Switch

1 Console Light Switch

2 Cut-out switches:

~ North Side

~ South Side

5 Blower Switches:

~ No 1

~ No 2

~ 50"

~ Corona

~ Central

ANALYSIS OF CONTENTS

	<i>Stops</i>	<i>Pipes</i>
Pedal Organ	35	996
Choir Organ	23	1764
Great Organ	29	2257
Swell Organ	31	2375
Solo Organ	22	1459
Bombarde Organ	5	854
Corona Organ	1	61
Central Organ	6	502
Speaking stops	152	10,268
Couplers etc.	51	-