

# The Willis Organ: Specification

## Pedal Organ

1	Double Open Bass (from No 2)	32
2	Open Bass	16
3	Open Diapason (12 pipes from No 26)	16
4	Bourdon	16
5	Principal (1978)	8
6	Stopped Flute (1978)	8
7	Fifteenth (1978)	4
8	Open Flute (1978)	4
9	Mixture 19.22.26.29 (1978)	IV
10	Bombarde (from No 11, 1909/20)	32
11	Ophicleide (1909)	16
12	Trombone	16
13	Trumpet (formerly called Clarion)	8
14	Clarion (remade 2004 from 1978 Schalmei)	4

## Choir Organ

15	Open Diapason	8
16	Claribel Flute	8
17	Lieblich Gedackt	8
18	Dulciana	8
19	Gemshorn	4
20	Lieblich Flute	4
21	Nazard (1933)	2 2/3
22	Spitzflute (1978)	2
23	Tierce (1933)	1 3/5
24	Mixture 15.19.22 (1978)	III
25	Trumpet (1933)	8

## Great Organ

26	Double Open Diapason	16
27	Bourdon	16
28	Open Diapason No 1	8
29	Open Diapason No 2	8
30	Open Diapason No 3	8
31	Claribel Flute	8
32	Stopped Diapason	8
33	Principal No 1	4
34	Principal No 2	4
35	Flute	4
36	Twelfth	2 2/3

37	Fifteenth	2
38	Mixture 17.19.22	III
39	Mixture 19.22.26.29 (1978)	IV
40	Double Trumpet	16
41	Trumpet	8
42	Clarion	4

### **Swell Organ**

43	Contra Gamba	16
44	Open Diapason	8
45	Stopped Diapason	8
46	Salicional	8
47	Vox Angelica (tenor C)	8
48	Principal	4
49	Lieblich Flute	4
50	Fifteenth	2
51	Mixture 17.19.22	III
52	Dulzian (1933)	16
53	Oboe	8
	<i>Tremulant</i>	
54	Double Trumpet	16
55	Trumpet	8
56	Clarion	4

### **Solo Organ (57-65 enclosed)**

57	Viola da Gamba	8
58	Voix Célestes (tenor C)	8
59	Harmonic Flute	8
60	Concert Flute	4
61	Hohl Flute	2
62	Clarinet	8 or 16
63	Orchestral Oboe	8 or 16
64	Cor Anglais (1909)	8
	<i>Tremulant</i>	
65	Tromba	8 or 16
66	Glockenspiel 39 gongs (1909)	4
67	Tuba	8

62, 63 and 65 have an extra octave of pipes in the bass

### **Couplers**

i	Great to Pedal
ii	Swell to Pedal
iii	Choir to Pedal

iv	Solo to Pedal
v	Swell Octave to Pedal
vi	Choir Octave to Pedal
vii	Solo Octave to Pedal
viii	Swell Sub-octave to Great
ix	Swell to Great
x	Swell Octave to Great
xi	Choir Sub-octave to Great
xii	Choir to Great
xiii	Choir Octave to Great
xiv	Solo Sub-octave to Great
xv	Solo to Great
xvi	Solo Octave to Great
xvii	Swell Sub-octave
xviii	Swell Octave
xix	Swell Unison Off
xx	Solo to Swell
xxi	Choir Sub-octave
xxii	Choir Octave
xxiii	Choir Unison Off
xxiv	Swell Sub-octave to Choir
xxv	Swell to Choir
xxvi	Swell Octave to Choir
xxvii	Solo Sub-octave to Choir
xxviii	Solo to Choir
xxix	Solo Octave to Choir
xxx	Solo Sub-octave
xxxi	Solo Octave
xxxii	Solo Unison Off
xxxiii	Great to Solo
xxxiv	Great and Pedal combinations coupled
xxxv	Generals on Swell foot pistons (2004)

## Accessories

Eight foot pistons to Pedal Organ  
 Eight pistons to the Choir Organ  
 Eight pistons to the Great Organ  
 Eight pistons to the Swell Organ (duplicated by foot pistons)  
 Eight pistons to the Solo Organ  
 Eight general pistons  
 Two pistons to the couplers  
 Cancel pistons to Choir, Great, Swell, Solo, all couplers, and octave couplers  
 Pedal cancel foot piston  
 Two general cancel pistons  
 Reversible pistons i-iv, ix, xii, xv, xx, xxv, xxviii, xxxiii, xxxiv  
 Reversible foot pistons i, iv, ix, xv

Rocking tablets: Doubles Off, Pedal Off  
General Crescendo pedal  
Eight divisional and 128 general piston memories (2004)  
Stepper, operating general pistons in sequence (2004)  
Balanced expression pedals to the Swell and Solo Organs