Comparative measurements (in mm)					
Type of keyboard	N Euro	GCNA	K 2000	WCF standard 2006	K2000 Eijsbouts
center-to-center spacing of natural manual keys [A]	standard 46	standard 50.8	46	46	46
projection length of natural manual keys [B]	142	184,15	181	181	181
projection length of sharp manual keys [C]	82	114,3	108	108	108
difference in length of natural and sharp manual keys [D]	60	69,85	73	73	73
playing length of natural manual keys [E]	142	85,72	86	110	100 (2005: 100/130)
playing length of sharp manual keys [F]	82	85,72	86	110	100
manual key diameter, tapering from first number to second [G]	20>15 (24>16)	19,05>13,81	20>16	20>16	24>16
cross section of manual key behind playing length [H]	25 (24,5)	25,4	25	25	25
manual keyfall measured at face of key spreader [I]	55 (variable)	50,8	variable	variable (40 - 55)	45 (50)
height difference between natural and sharp manual keys [J]	100	96,84	97	97	97
pedal/manual axis [K]	c1 under c2 (b1 under g3)	b1 under d3	b1 under d3	b1 under d3	b1 under d3
front/back relation of manual keys to pedals (from tips of keys) [L]	minus 28	plus 49,21	plus 51	plus 51	plus 51
distance from top of natural manual keys to top of natural pedals [M]	760	779,5	difference 'comb' point: 102 mm 801,5	difference 'comb' point: 102 mm 801,5 at pedal/manual axis	801,5 (Zwolle, Den Bosch: 760)
center-to-center spacing of natural pedals [N]	85	88,9	85	85	85
concavity of pedals [O]	no	yes: 73	yes: 71	see chart in Attachment 2	yes: 71
radius of natural pedals to playing end [O]	no	yes	yes: R = 5057	yes: R = 5057	yes: R = 5057
radius of sharp pedals to playing end [O]	no	yes	yes: R = 4267	yes: R = 4267	yes: R = 4267
projection length of natural pedals [P]	170 (constant)	230,19 min/max?	232 (center) - 283 (ends)	232 at pedal/manual axis	232 (center) - 287 (ends)
projection length of sharp pedals [Q]	100	113,3	118	118 at pedal/manual axis	118
difference in length of natural and sharp pedals [R]	70	114,3	114	114	114
playing length of natural pedals [S]	70 (120)	120,65	129	129	125
playing length of sharp pedals [T]	not defined (90)	107,95	not defined	110	108
width of pedals [U]	30 (29,5)	30,16	30	30	30
pedal keyfall measured at end of key [V]	55 (58,4)	50,8	not defined	To match manual keyfall	45 (50)
height difference between natural/sharp pedals [W]	80 (95,90)	76,2	76	76	76
angle of manual keys/pedals from horizontal at rest [X]	3,583° (2,9°/3,5°)	2°/2°	not defined	2° (variable)	3°
total length of natural manual keys, pivot point to end [Y]	582	609,6	not defined	619, or as determined by designer	619
total length of pedals, pivot point to end [Z]	610	varies	568 (center) - 619 (ends)	see chart in attachment 2	568 (center) - 628,5 (ends)
length from playing end of natural manual key to attachment point [AA]	not defined (272)	292,1	not defined	291, or as determined by designer	

Comparative measurements (in mm)						
Type of keyboard	Alverca	K 2000 Petit and Fritsen	K 2000 Paccard	Zutphen,Lochem	Oude Kerk	Olympic
center-to-center spacing of natural manual keys [A]	46	46	46	Nijmegen 46	48	47.625
projection length of natural manual keys [B]	184	181	181	184	184	187.325
projection length of sharp manual keys [C]	114	108	108	114	114	111.125
difference in length of natural and sharp manual keys [D]	70	73	73	70	70	76,2
playing length of natural manual keys [E]	85	91	181	114	86	90/110
playing length of sharp manual keys [F]	85	91	108	84	86	90/110
manual key diameter, tapering from first number to second [G]	18	20>16	24>16	18	?	21>15 (elliptical)
cross section of manual key behind playing length [H]	24	24	25	24	25	25,4
manual keyfall measured at face of key spreader [I]	45	variable	45	45	45	var. to max 54,0/current 44,5
height difference between natural and sharp manual keys [J]	97	(customer specified) 94	94	97	92	95
pedal/manual axis [K]	c1 under c2	b1 under d3	b1 under d3	c1 under g1	c1 under f#1	a#1 under c#3
front/back relation of manual keys to pedals (from tips of keys) [L]	plus 38	50,8	(Chambéry a1 under d3) 67	plus 37	(b1 under g3) plus 35	(b1 under d3) plus 10 to 60
distance from top of natural manual keys to top of natural pedals [M]	790	variable	784	790	ca. 748	762
center-to-center spacing of natural pedals [N]	85	85,2	85	80	88,9	85
concavity of pedals [O]	yes: 85,5	yes: 71	yes: 71	yes: 69	yes	yes: 76,2
radius of natural pedals to playing end [O]	yes: R = 5800	yes: R = 5014,56	yes: R = 5057	yes	yes	yes: R variable
radius of sharp pedals to playing end [O]	yes: R = 6175	yes: R = 4361,93	yes: R = 4267	yes	yes	yes: R variable
projection length of natural pedals [P]	225 (center)	232 (center) - 283 (ends)	232 (center) - 284 (ends)	225	175,5	222,3 (center) - 276,2 (ends)
projection length of sharp pedals [Q]	105	min. 118 to max. 160	118	105	104	min. at a#1: 111,1; max. at f#0: 173,5
difference in length of natural and sharp pedals [R]	120	114,5	114	120	70	114
playing length of natural pedals [S]	125	90	129	120	125	approx. 124; pedal covers all 89
playing length of sharp pedals [T]	100	90	variable	105	94	(not defined); pedal covers all 89
width of pedals [U]	30	30	30	30	?	30
pedal keyfall measured at end of key [V]	45 (32)	variable	variable	45	ca. 35	not defined
height difference between natural/sharp pedals [W]	76	67	?	76	76	76,2
angle of manual keys/pedals from horizontal at rest [X]	2°	variable	variable	2°	2°	
total length of natural manual keys, pivot point to end [Y]	599	585	610	599		610
total length of pedals, pivot point to end [Z]	560 - 620	568,3 (center) - 628,7 (ends)	variable	562 (center) - 620,5 (ends)	580	558,8 (center) - 615,9 (ends)
length from playing end of natural manual key to attachment point [AA]		285	305		350	not defined; naturals 307, sharps 231