

# BBK Hopper Bottom Grain Bins

## Overall dimensions and capacity

Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
BBK.03.11.K45.B12	3.0	11	99	79	16.640
BBK.03.10.K45.B12	3.0	10	90	72	15.440
BBK.03.09.K45.B12	3.0	9	82	66	14.240
BBK.03.08.K45.B12	3.0	8	73	58	13.040
BBK.03.07.K45.B12	3.0	7	65	52	11.840
BBK.03.06.K45.B12	3.0	6	56	45	10.640
BBK.03.05.K45.B12	3.0	5	48	38	9.440
BBK.03.04.K45.B12	3.0	4	39	31	8.240
BBK.03.03.K45.B12	3.0	3	31	25	7.040
BBK.05.11.K45.B12	5.0	11	284	227	13.200
BBK.05.10.K45.B12	5.0	10	260	208	12.000
BBK.05.09.K45.B12	5.0	9	237	189	10.800
BBK.05.08.K45.B12	5.0	8	213	170	9.600
BBK.05.07.K45.B12	5.0	7	189	151	8.400
BBK.05.06.K45.B12	5.0	6	166	133	7.200
BBK.05.05.K45.B12	5.0	5	142	114	6.000
BBK.05.04.K45.B12	5.0	4	119	95	4.800
BBK.05.03.K45.B12	5.0	3	95	76	3.600
BBK.05.02.K45.B12	5.0	2	72	58	2.400
BBK.06.08.K45.B12	6.0	8	314	251	15.237
BBK.06.07.K45.B12	6.0	7	280	224	14.037
BBK.06.06.K45.B12	6.0	6	246	197	12.837
BBK.06.05.K45.B12	6.0	5	212	170	11.637
BBK.06.04.K45.B12	6.0	4	178	142	10.437
BBK.07.16.K45.B12	7.0	16	806	645	25.640
BBK.07.15.K45.B12	7.0	15	760	608	24.440
BBK.07.14.K45.B12	7.0	14	713	570	23.240
BBK.07.13.K45.B12	7.0	13	667	534	22.040
BBK.07.12.K45.B12	7.0	12	621	497	20.840
BBK.07.11.K45.B12	7.0	11	575	460	19.640
BBK.07.10.K45.B12	7.0	10	529	423	18.440
BBK.07.09.K45.B12	7.0	9	483	386	17.240
BBK.07.08.K45.B12	7.0	8	436	349	16.040
BBK.07.07.K45.B12	7.0	7	390	312	14.840
BBK.07.06.K45.B12	7.0	6	344	275	13.640
BBK.07.05.K45.B12	7.0	5	298	238	12.440
BBK.07.04.K45.B12	7.0	4	252	202	11.240
BBK.09.17.K45.B12	9.0	17	1 440	1 152	28.550
BBK.09.16.K45.B12	9.0	16	1 363	1 090	27.350
BBK.09.15.K45.B12	9.0	15	1 287	1 030	26.150
BBK.09.14.K45.B12	9.0	14	1 211	969	24.950
BBK.09.13.K45.B12	9.0	13	1 134	907	23.750
BBK.09.12.K45.B12	9.0	12	1 058	846	22.550
BBK.09.11.K45.B12	9.0	11	982	786	21.350
BBK.09.10.K45.B12	9.0	10	905	724	20.150
BBK.09.9.K45.B12	9.0	9	829	663	18.950
BBK.09.8.K45.B12	9.0	8	752	602	17.750
BBK.09.7.K45.B12	9.0	7	676	541	16.550
BBK.09.6.K45.B12	9.0	6	600	480	15.350
BBK.09.5.K45.B12	9.0	5	523	418	14.150
BBK.09.4.K45.B12	9.0	4	447	358	12.950
BBK.09.3.K45.B12	9.0	3	371	297	11.750

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in BBK.03.06.K45.B12 bin.  
 Bin BBK.03 with 6 tiers has a volume of 56 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 34 tons.

Bulk density of main grain crops:  
 1. Wheat: 0,8 t/m<sup>3</sup>;  
 2. Barley: 0,61 t/m<sup>3</sup>;  
 3. Corn: 0,72 t/m<sup>3</sup>;  
 4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU Hopper Hopper Bottom Grain Bins

## Overall dimensions and capacity

Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
SMU.27.01.K62.B12	2.750	1	14	11	6.190
SMU.27.02.K62.B12	2.750	2	21	17	7.342
SMU.27.03.K62.B12	2.750	3	27	22	8.494
SMU.27.04.K62.B12	2.750	4	34	27	9.646
SMVU.37.01.K55.B12	3.667	1	25	20	6.152
SMVU.37.02.K55.B12	3.667	2	38	30	7.304
SMVU.37.03.K55.B12	3.667	3	50	40	8.456
SMVU.37.04.K55.B12	3.667	4	62	50	9.608
SMVU.37.05.K55.B12	3.667	5	74	59	10.760
SMVU.37.06.K55.B12	3.667	6	86	69	11.912
SMVU.46.02.K45.B12	4.584	2	58	46	7.249
SMVU.46.03.K45.B12	4.584	3	77	62	8.401
SMVU.46.04.K45.B12	4.584	4	96	77	9.553
SMVU.46.05.K45.B12	4.584	5	115	92	10.705
SMVU.46.06.K45.B12	4.584	6	134	107	11.857
SMVU.46.07.K45.B12	4.584	7	153	122	13.009
SMVU.46.08.K45.B12	4.584	8	172	138	14.161
SMVU.46.02.K62.B12	4.584	2	69	55	9.124
SMVU.46.03.K62.B12	4.584	3	88	71	10.276
SMVU.46.04.K62.B12	4.584	4	107	86	11.428
SMVU.46.05.K62.B12	4.584	5	126	101	12.580
SMVU.46.06.K62.B12	4.584	6	145	116	13.732
SMVU.46.07.K62.B12	4.584	7	164	131	14.884
SMVU.46.08.K62.B12	4.584	8	183	147	16.036
SMVU.55.02.K55.B12	5.500	2	98	78	9.222
SMVU.55.03.K55.B12	5.500	3	126	101	10.374
SMVU.55.04.K55.B12	5.500	4	153	122	11.526
SMVU.55.05.K55.B12	5.500	5	180	144	12.678
SMVU.55.06.K55.B12	5.500	6	208	166	13.830
SMVU.55.07.K55.B12	5.500	7	235	188	14.982
SMVU.55.08.K55.B12	5.500	8	263	210	16.134
SMVU.73.04.K45.B12	7.334	4	282	226	11.798
SMVU.73.05.K45.B12	7.334	5	332	266	12.950
SMVU.73.06.K45.B12	7.334	6	382	306	14.102
SMVU.73.07.K45.B12	7.334	7	432	346	15.254
SMVU.73.08.K45.B12	7.334	8	482	386	16.406
SMVU.73.09.K45.B12	7.334	9	531	425	17.558
SMVU.73.10.K45.B12	7.334	10	581	465	18.710
SMVU.73.11.K45.B12	7.334	11	631	505	19.862
SMVU.73.12.K45.B12	7.334	12	681	545	21.014

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in SMVU.37.06.K55.B12 bin.  
 Bin SMVU.37 with 6 tiers has a volume of 86 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 53 tons.

Bulk density of main grain crops:  
 1. Wheat: 0,8 t/m<sup>3</sup>;  
 2. Barley: 0,61 t/m<sup>3</sup>;  
 3. Corn: 0,72 t/m<sup>3</sup>;  
 4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU Hopper Hopper Bottom Grain Bins

## Overall dimensions and capacity

Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
SMVU.73.04.K62.B12	7.334	4	320	256	14.786
SMVU.73.05.K62.B12	7.334	5	369	295	15.938
SMVU.73.06.K62.B12	7.334	6	417	334	17.090
SMVU.73.07.K62.B12	7.334	7	466	373	18.242
SMVU.73.08.K62.B12	7.334	8	515	412	19.394
SMVU.73.09.K62.B12	7.334	9	563	450	20.546
SMVU.73.10.K62.B12	7.334	10	612	490	21.698
SMVU.73.11.K62.B12	7.334	11	661	529	22.850
SMVU.73.12.K62.B12	7.334	12	709	567	24.002
SMVU.73.02.K62.B12SH*	7.334	2	165	132	12.292
SMVU.73.03.K62.B12SH*	7.334	3	214	171	13.444
SMVU.73.04.K62.B12SH*	7.334	4	262	210	14.596
SMVU.73.05.K62.B12SH*	7.334	5	311	249	15.748
SMVU.73.06.K62.B12SH*	7.334	6	360	288	16.900
SMVU.73.07.K62.B12SH*	7.334	7	408	327	18.052
SMVU.73.08.K62.B12SH*	7.334	8	457	366	19.204
SMVU.73.09.K62.B12SH*	7.334	9	506	405	20.356
SMVU.73.10.K62.B12SH*	7.334	10	554	443	21.508
SMVU.73.11.K62.B12SH*	7.334	11	603	482	22.660
SMVU.73.12.K62.B12SH*	7.334	12	652	521	23.812
SMVU.92.06.K45.B12	9.167	6	611	489	15.090
SMVU.92.07.K45.B12	9.167	7	687	550	16.242
SMVU.92.08.K45.B12	9.167	8	763	610	17.394
SMVU.92.09.K45.B12	9.167	9	839	671	18.546
SMVU.92.10.K45.B12	9.167	10	915	732	19.698
SMVU.92.11.K45.B12	9.167	11	991	793	20.850
SMVU.92.12.K45.B12	9.167	12	1067	854	22.002
SMVU.110.6.K40.B12	11.000	6	894	715	15.909
SMVU.110.7.K40.B12	11.000	7	1 003	802	17.061
SMVU.110.8.K40.B12	11.000	8	1 113	890	18.213
SMVU.110.9.K40.B12	11.000	9	1 222	978	19.365
SMVU.110.10.K40.B12	11.000	10	1 332	1 066	20.512
SMVU.110.11.K40.B12	11.000	11	1 441	1 153	21.669
SMVU.110.12.K40.B12	11.000	12	1 551	1 241	22.821
SMVU.110.13.K40.B12	11.000	13	1 660	1 328	23.973
SMVU.110.14.K40.B12	11.000	14	1 770	1 416	25.125
SMVU.110.06.K45.B12	11.000	6	922	738	16.544
SMVU.110.07.K45.B12	11.000	7	1 031	825	17.696
SMVU.110.08.K45.B12	11.000	8	1 141	913	18.848
SMVU.110.09.K45.B12	11.000	9	1 250	1 000	20.000
SMVU.110.10.K45.B12	11.000	10	1 360	1 088	21.152
SMVU.110.11.K45.B12	11.000	11	1 469	1 175	22.304
SMVU.110.12.K45.B12	11.000	12	1 579	1 263	23.456
SMVU.110.13.K45.B12	11.000	13	1 688	1 351	24.608
SMVU.110.14.K45.B12	11.000	14	1 798	1 438	25.760

Note: \*bin model, destined for storage of soy bean meal.

To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
For instance, to find out the weight of the barley, stored in SMVU.73.06.K62.B12 bin.

Bin SMVU.73 with 6 tiers has a volume of 417 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 254 tons.

Bulk density of main grain crops:

1. Wheat: 0,8 t/m<sup>3</sup>;
2. Barley: 0,61 t/m<sup>3</sup>;
3. Corn: 0,72 t/m<sup>3</sup>;
4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU(A) Hopper Hopper Bottom Grain Bins

## Overall dimensions and capacity

Bin model	Bin diameter, m	Number of tiers	Bin volume, m <sup>3</sup>	Capacity for wheat, t (at bulk density of 0,8 t/m <sup>3</sup> )	Overall bin height, m
SMU.27.04.K62.B12.A	2.750	4	35	28	9.855
SMU.27.03.K62.B12.A	2.750	3	28	22	8.655
SMU.27.02.K62.B12.A	2.750	2	21	17	7.455
SMU.27.01.K62.B12.A	2.750	1	14	11	6.255
SMVU.55.08.K55.B12.A	5.500	8	270	216	16.195
SMVU.55.07.K55.B12.A	5.500	7	242	193	14.995
SMVU.55.06.K55.B12.A	5.500	6	213	171	13.795
SMVU.55.05.K55.B12.A	5.500	5	185	148	12.595
SMVU.55.04.K55.B12.A	5.500	4	156	125	11.395
SMVU.55.03.K55.B12.A	5.500	3	128	102	10.195
SMVU.55.02.K55.B12.A	5.500	2	99	79	8.995
SMVU.55.10.K45.B12.A	5.500	10	318	254	17.629
SMVU.55.08.K45.B12.A	5.500	8	261	209	15.229
SMVU.55.07.K45.B12.A	5.500	7	232	186	14.029
SMVU.55.06.K45.B12.A	5.500	6	204	163	12.829
SMVU.55.05.K45.B12.A	5.500	5	175	140	11.629
SMVU.55.04.K45.B12.A	5.500	4	147	117	10.429
SMVU.55.03.K45.B12.A	5.500	3	118	95	9.229
SMVU.55.02.K45.B12.A	5.500	2	90	72	8.029
SMVU.73.12.K45.B12.A	7.334	12	685	548	21.155
SMVU.73.11.K45.B12.A	7.334	11	635	508	19.955
SMVU.73.10.K45.B12.A	7.334	10	584	467	18.755
SMVU.73.09.K45.B12.A	7.334	9	533	427	17.555
SMVU.73.08.K45.B12.A	7.334	8	483	386	16.355
SMVU.73.07.K45.B12.A	7.334	7	432	346	15.155
SMVU.73.06.K45.B12.A	7.334	6	381	305	13.955
SMVU.73.05.K45.B12.A	7.334	5	331	265	12.755
SMVU.73.04.K45.B12.A	7.334	4	280	224	11.555
SMVU.92.12.K45.B12.A	9.167	12	1 101	881	22.570
SMVU.92.11.K45.B12.A	9.167	11	1 021	817	21.370
SMVU.92.10.K45.B12.A	9.167	10	942	754	20.170
SMVU.92.09.K45.B12.A	9.167	9	863	690	18.970
SMVU.92.08.K45.B12.A	9.167	8	784	627	17.770
SMVU.92.07.K45.B12.A	9.167	7	705	564	16.570
SMVU.92.06.K45.B12.A	9.167	6	625	500	15.370
SMVU.110.14.K65.B12.A	11.000	14	2 055	1 644	32.402
SMVU.110.13.K65.B12.A	11.000	13	1 941	1 553	31.202
SMVU.110.12.K65.B12.A	11.000	12	1 827	1 462	30.002
SMVU.110.11.K65.B12.A	11.000	11	1 713	1 370	28.802
SMVU.110.10.K65.B12.A	11.000	10	1 599	1 279	27.602
SMVU.110.09.K65.B12.A	11.000	9	1 485	1 188	26.402
SMVU.110.08.K65.B12.A	11.000	8	1 371	1 097	25.202
SMVU.110.07.K65.B12.A	11.000	7	1 257	1 005	24.002
SMVU.110.06.K65.B12.A	11.000	6	1 143	914	22.802
SMVU.110.14.K45.B12.A	11.000	14	1 856	1 485	26.424
SMVU.110.13.K45.B12.A	11.000	13	1 742	1 393	25.224
SMVU.110.12.K45.B12.A	11.000	12	1 628	1 302	24.024
SMVU.110.11.K45.B12.A	11.000	11	1 513	1 211	22.824
SMVU.110.10.K45.B12.A	11.000	10	1 399	1 120	21.624
SMVU.110.09.K45.B12.A	11.000	9	1 285	1 028	20.424
SMVU.110.08.K45.B12.A	11.000	8	1 171	937	19.224
SMVU.110.07.K45.B12.A	11.000	7	1 057	846	18.024
SMVU.110.06.K45.B12.A	11.000	6	943	755	16.824

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
For instance, to find out the weight of the barley, stored in SMVU.73.06.K45.B12.A bin.  
Bin SMVU.73.A with 6 tiers has a volume of 381 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 234 tons.

Bulk density of main grain crops:  
1. Wheat: 0,8 t/m<sup>3</sup>;  
2. Barley: 0,61 t/m<sup>3</sup>;  
3. Corn: 0,72 t/m<sup>3</sup>;  
4. Soy, colesseed: 0,6 t/m<sup>3</sup>.