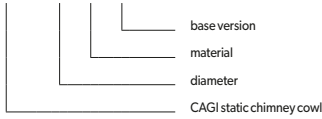


WCG x-a-b



Openable for diameters from 100 to 160

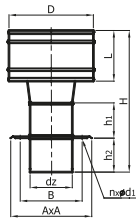
Destination	W	W	W - ventilation ducts
	S	-	S - gas and oil exhaust ducts
Material	CH	-	CH - chrome-nickel sheet L.4301
	-	OC	OC - galvanised steel sheet

Diameter [mm]	ø100	ø110	ø120	ø125	ø130	ø140	ø150	ø160	ø180	ø200	ø250	ø300	ø315	ø350	ø400
Efficiency [m³/h] at wind speed 4 m/s]	61	74	87	95	103	119	136	171	206	242	392	543	683	823	965
Max. working temperature [°C]	180														

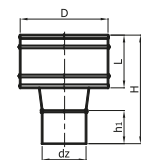
Diameter		ø100	ø110	ø120	ø125	ø130	ø140	ø150	ø160	ø180	ø200	ø250	ø300	ø315	ø350	ø400
Cylinder dimensions [mm]	Diameter D	200	220	240	250	260	280	300	320	360	400	500	600	630	700	800
	Height L	120	132	144	150	156	168	180	192	216	240	300	360	378	420	480

Versions of bases

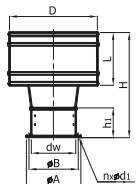
1. Square base -PK



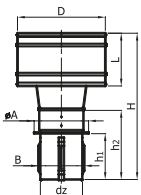
2. Inlet pipe -B



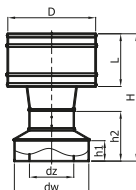
3. Base with collar -BIII



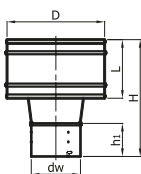
4. Force-in mounting base -PT



5. Base with insulation closing -B-K



6. Dismountable base -R



Measurements table for various inlet diameters

Ø 100		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	100.8	385	100	115	220	170	6.2	4	1.10	1.05
-B	-	100.8	385	215	-	-	-	-	-	0.95	0.90
-BIII	99.8	-	380	210	-	162	132	9.5	4	1.10	1.05
-PT	-	94.0	427	157	257	137	108	-	-	1.05	1.00
-B-K	202.1	100.8	385	70	215	-	-	-	-	1.30	1.25
-R	99.8	-	385	215	-	-	-	-	-	0.95	0.90

Ø 110		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	111.9	402	100	115	220	170	6.2	4	1.30	1.20
-B	-	111.9	402	215	-	-	-	-	-	1.15	1.05
-BIII	110.9	-	397	210	-	172	142	9.5	4	1.35	1.25
-PT	-	104.0	444	157	257	147	118	-	-	1.25	1.15
-B-K	202.1	111.9	402	70	215	-	-	-	-	1.50	1.40
-R	110.9	-	402	215	-	-	-	-	-	1.15	1.05

Ø 120		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	123.0	419	100	115	220	170	6.2	4	1.40	1.30
-B	-	123.0	419	215	-	-	-	-	-	1.25	1.15
-BIII	122.0	-	414	210	-	182	152	9.5	4	1.50	1.40
-PT	-	114.0	461	157	257	157	128	-	-	1.40	1.30
-B-K	227.6	123.0	419	70	215	-	-	-	-	1.60	1.50
-R	122.0	-	419	215	-	-	-	-	-	1.25	1.15

Ø 125		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	124.6	428	100	115	220	170	6.2	4	1.50	1.40
-B	-	124.6	428	215	-	-	-	-	-	1.30	1.20
-BIII	123.6	-	423	210	-	187	157	9.5	4	1.55	1.45
-PT	-	119.0	470	157	257	162	133	-	-	1.15	1.35
-B-K	227.6	124.6	428	70	215	-	-	-	-	1.70	1.60
-R	123.6	-	428	215	-	-	-	-	-	1.30	1.20

Ø 130		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	132.5	435	100	115	250	200	6.2	4	1.70	1.60
-B	-	132.5	435	215	-	-	-	-	-	1.50	1.40
-BIII	131.5	-	430	210	-	192	162	9.5	4	1.80	1.70
-PT	-	124.0	477	157	257	167	138	-	-	1.65	1.55
-B-K	227.6	132.5	435	70	215	-	-	-	-	1.90	1.80
-R	131.5	-	435	215	-	-	-	-	-	1.50	1.40

Ø 140		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	140.6	453	100	115	250	200	6.2	4	1.80	1.70
-B	-	140.6	453	215	-	-	-	-	-	1.60	1.50
-BIII	139.6	-	448	210	-	202	172	9.5	6	1.90	1.80
-PT	-	134.0	495	157	257	177	148	-	-	1.75	1.65
-B-K	227.6	140.6	453	70	215	-	-	-	-	2.00	1.90
-R	139.6	-	453	215	-	-	-	-	-	1.60	1.50

Ø 150		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	151.7	470	100	115	250	200	6.2	4	2.10	2.00
-B	-	151.7	470	215	-	-	-	-	-	1.90	1.80
-BIII	150.7	-	465	210	-	212	182	9.5	6	2.30	2.20
-PT	-	144.0	512	157	257	187	158	-	-	2.05	1.95
-B-K	253.3	151.7	470	70	215	-	-	-	-	2.45	2.35
-R	150.7	-	470	215	-	-	-	-	-	1.90	1.80

Ø 160		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	161.3	475	100	115	250	200	6.2	4	2.25	2.20
-B	-	161.3	475	215	-	-	-	-	-	2.05	2.00
-BIII	160.3	-	470	210	-	222	192	9.5	6	2.45	2.40
-PT	-	154.0	517	157	257	197	168	-	-	2.20	2.15
-B-K	253.3	161.3	475	70	215	-	-	-	-	2.60	2.55
-R	160.3	-	475	215	-	-	-	-	-	2.05	2.00

Ø 180	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	182.0	485	100	115	330	253	6.2	4	2.55	2.50
-B	-	-	182.0	485	-	-	-	-	-	-	2.95	2.30
-BIII	180.8	-	-	480	155	-	242	212	9.5	6	2.75	2.70
-PT	-	-	174.0	527	157	257	217	188	-	-	2.50	2.45
-B-K	281.9	182.0	-	485	70	215	-	-	-	-	2.95	2.90
-R	180.8	-	-	485	-	-	-	-	-	-	2.35	2.30

Ø 200	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	201.0	700	160	200	330	260	6.2	4	5.70	4.90
-B	-	-	201.0	500	160	-	-	-	-	-	4.80	4.15
-BIII	199.7	-	-	495	155	-	263	233	9.5	6	5.30	4.65
-PT	-	-	194.0	657	157	317	237	208	-	-	5.45	4.80
-B-K	303.1	201.0	-	500	70	160	-	-	-	-	5.50	4.85
-R	199.7	-	-	500	160	-	-	-	-	-	5.30	4.65

Ø 250	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	252.0	785	160	200	370	290	6.2	4	8.10	7.00
-B	-	-	252.3	585	160	-	-	-	-	-	6.70	5.80
-BIII	250.7	-	-	580	155	-	313	283	9.5	6	7.55	6.65
-PT	-	-	244.0	742	157	317	287	259	-	-	7.50	6.60
-B-K	352.4	252.3	-	585	70	160	-	-	-	-	7.60	6.70
-R	250.7	-	-	585	160	-	-	-	-	-	6.70	5.80

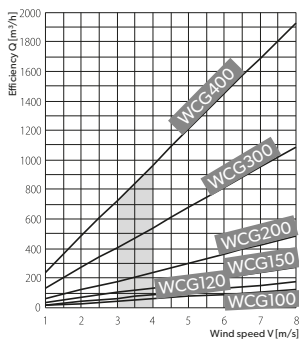
Ø 300	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	301.3	870	160	200	430	350	6.2	4	12.40	10.60
-B	-	-	301.6	670	160	-	-	-	-	-	10.70	8.90
-BIII	300.0	-	-	665	155	-	363	337	9.5	8	11.70	9.90
-PT	-	-	294.0	827	157	317	337	308	-	-	11.70	9.70
-B-K	403.6	301.3	-	670	70	160	-	-	-	-	11.70	8.85
-R	300.0	-	-	670	160	-	-	-	-	-	10.70	8.90

Ø 315	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	315.7	896	160	200	440	360	6.2	4	12.90	11.20
-B	-	-	316.0	696	160	-	-	-	-	-	11.15	8.70
-BIII	314.4	-	-	690	155	-	378	352	9.5	8	12.20	9.75
-PT	-	-	309.0	853	157	317	350	323	-	-	12.10	10.65
-B-K	403.6	316.0	-	696	70	160	-	-	-	-	12.05	10.65
-R	314.4	-	-	696	160	-	-	-	-	-	11.15	9.70

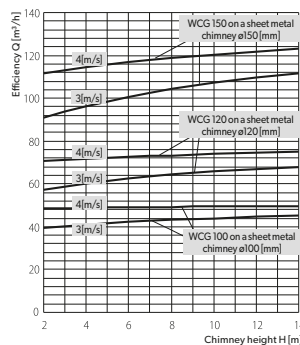
Ø 350	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	-	-	-	-	-	-	-	-	-	-
-B	-	-	349.7	730	160	-	-	-	-	-	13.50	15.45
-BIII	348.1	-	-	725	155	-	413	387	9.5	8	14.60	16.70
-PT	-	-	-	-	-	-	-	-	-	-	-	-
-B-K	452.9	349.7	-	730	70	160	-	-	-	-	14.50	16.60
-R	348.1	-	-	730	160	-	-	-	-	-	13.50	15.45

Ø 400	Dimensions [mm]									Weight [kg]		
	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OC	CH
-PK	-	-	-	-	-	-	-	-	-	-	-	-
-B	-	-	401.9	830	160	-	-	-	-	-	15.70	18.00
-BIII	400.3	-	-	825	155	-	464	438	9.5	8	17.00	19.30
-PT	-	-	-	-	-	-	-	-	-	-	-	-
-B-K	503.8	401.9	-	830	70	160	-	-	-	-	16.95	19.30
-R	400.3	-	-	830	160	-	-	-	-	-	15.70	18.00

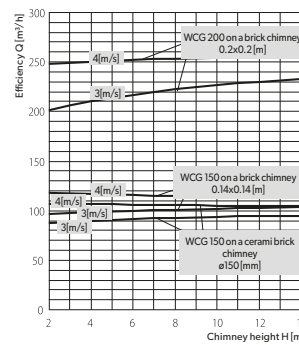
Airflow charts



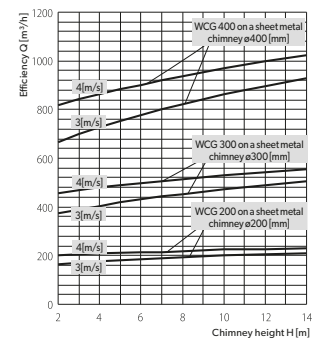
Efficiency chart for CAGI cowls (various diameters) in a function of wind speed, not including the influence of chimney height. (1[m/s]=3.6[km/h])



Efficiency chart for CAGI cowls ø100, 120, 150 in a function of chimney height on a brick or sheet metal chimney (for two wind speeds: 3 and 4 [m/s]).



Efficiency chart for CAGI cowls ø150, 200 in a function of chimney height on a brick or sheet metal chimney (for two wind speeds: 3 and 4 [m/s]).



Efficiency chart for CAGI cowls ø200, 300, 400 in a function of chimney height on a brick or sheet metal chimney (for two wind speeds: 3 and 4 [m/s]).