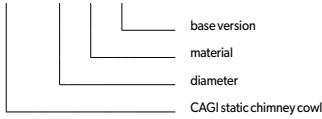


WCG x-a-b



Openable for diameters from 100 to 160

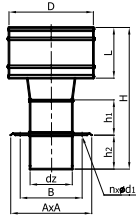
Destination	W	W	W - ventilation ducts
	S	-	S - gas and oil exhaust ducts
Material	CH	-	CH - chrome-nickel sheet L.4301
	-	OC	OC - galvanised steel sheet

Diameter [mm]	ø80	ø100	ø110	ø120	ø125	ø130	ø140	ø150	ø160	ø180	ø200	ø250	ø300	ø315	ø350	ø400
Efficiency [m ³ /h] at wind speed 4 m/s]	41	61	74	87	95	103	119	136	171	206	242	392	543	683	823	965
Max. working temperature [°C]	180															

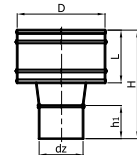
Diameter		ø80	ø100	ø110	ø120	ø125	ø130	ø140	ø150	ø160	ø180	ø200	ø250	ø300	ø315	ø350	ø400
Cylinder dimensions [mm]	Diameter D	160	200	220	240	250	260	280	300	320	360	400	500	600	630	700	800
	Height L	108	120	132	144	150	156	168	180	192	216	240	300	340	378	420	480

Versions of bases

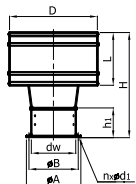
1. Square base -PK



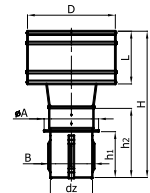
2. Inlet pipe -B



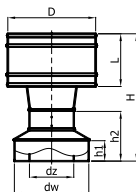
3. Base with collar -BIII



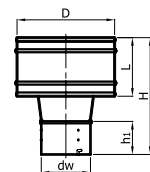
4. Force-in mounting base -PT



5. Base with insulation closing -B-K



6. Dismountable base -R



Measurements table for various inlet diameters

ø 80		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	80.2	356	97	115	220	170	6.2	4	0.90	0.85
-B	-	80.2	358	215	-	-	-	-	-	0.70	0.65
-BIII	79.2	-	353	210	-	142	112	9.5	4	0.95	0.90
-PT	-	74	403	157	260	130	89	-	-	0.85	0.80
-B-K	-	-	-	-	-	-	-	-	-	-	-
-R	79.2	-	358	215	-	-	-	-	-	0.70	0.65

ø 100		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	100.8	389	115	100	220	170	6.2	4	1.15	1.10
-B	-	100.8	389	215	-	-	-	-	-	1.00	0.95
-BIII	99.8	-	384	210	-	162	132	9.5	4	1.25	1.20
-PT	-	94	432	157	258	150	109	-	-	1.10	1.05
-B-K	202.1	100.8	385	70	215	-	-	-	-	1.30	1.25
-R	99.8	-	389	215	-	-	-	-	-	0.95	0.90

ø 110		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	111.9	402	115	100	220	170	6.2	4	1.30	1.20
-B	-	111.9	405	215	-	-	-	-	-	1.15	1.05
-BIII	110.9	-	400	210	-	172	142	9.5	4	1.45	1.35
-PT	-	104	448	157	258	160	119	-	-	1.30	1.20
-B-K	202.1	111.9	402	70	215	-	-	-	-	1.50	1.40
-R	110.9	-	405	215	-	-	-	-	-	1.15	1.05

ø 120		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	123	423	115	100	220	170	6.2	4	1.50	1.40
-B	-	123	423	215	-	-	-	-	-	1.30	1.20
-BIII	122	-	418	210	-	182	152	9.5	4	1.65	1.55
-PT	-	114	466	157	258	170	129	-	-	1.50	1.40
-B-K	227.6	123	423	70	215	-	-	-	-	1.60	1.50
-R	122	-	423	215	-	-	-	-	-	1.30	1.20

ø 125		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	124.6	432	115	100	220	170	6.2	4	1.55	1.45
-B	-	124.6	432	215	-	-	-	-	-	1.40	1.30
-BIII	123.6	-	427	210	-	187	157	9.5	4	1.75	1.65
-PT	-	119	474	157	258	175	134	-	-	1.55	1.45
-B-K	227.6	124.6	432	70	215	-	-	-	-	1.70	1.60
-R	123.6	-	432	215	-	-	-	-	-	1.40	1.30

ø 130		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	132.5	441	115	100	250	200	6.2	4	1.70	1.60
-B	-	132.5	441	215	-	-	-	-	-	1.50	1.40
-BIII	131.5	-	436	210	-	192	162	9.5	4	1.85	1.75
-PT	-	124	483	157	258	180	139	-	-	1.70	1.60
-B-K	227.6	132.5	435	70	215	-	-	-	-	1.90	1.80
-R	132.5	-	441	215	-	-	-	-	-	1.50	1.40

ø 140		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	140.6	461	115	100	250	200	6.2	4	1.90	1.80
-B	-	140.1	461	215	-	-	-	-	-	1.70	1.60
-BIII	139.6	-	456	210	-	202	172	9.5	6	2.10	2.00
-PT	-	134	503	157	258	190	149	-	-	1.90	1.80
-B-K	227.6	140.6	453	70	215	-	-	-	-	2.00	1.90
-R	139.6	-	461	215	-	-	-	-	-	1.70	1.60

ø 150		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	151.7	481	115	100	250	200	6.2	4	2.15	2.05
-B	-	151.7	481	215	-	-	-	-	-	1.95	1.85
-BIII	150.7	-	476	210	-	212	182	9.5	6	2.35	2.25
-PT	-	144	523	157	258	202	159	-	-	2.25	2.15
-B-K	253.3	151.7	470	70	215	-	-	-	-	2.45	2.35
-R	151.7	-	481	215	-	-	-	-	-	1.95	1.85

ø 160		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	161.3	498	115	100	250	200	6.2	4	2.40	2.35
-B	-	161.3	498	215	-	-	-	-	-	2.25	2.30
-BIII	160.3	-	493	210	-	222	192	9.5	6	2.65	2.60
-PT	-	154	540	157	258	210	169	-	-	2.45	2.40
-B-K	253.3	161.3	475	70	215	-	-	-	-	2.60	2.55
-R	160.3	-	498	215	-	-	-	-	-	2.25	2.20

ø 180		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	179.6	700	200	180	300	250	6.2	4	5.00	4.30
-B	-	182.4	491	170	-	-	-	-	-	3.55	3.00
-BIII	180.8	-	486	165	-	242	212	9.5	6	4.00	3.50
-PT	-	174	639	157	318	225	174	-	-	4.10	3.50
-B-K	281.9	182	485	70	215	-	-	-	-	2.95	2.90
-R	181.4	-	491	170	-	-	-	-	-	3.55	3.00

ø 200		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	199.6	733	200	180	330	280	6.2	4	6.00	5.15
-B	-	201	526	170	-	-	-	-	-	4.35	3.70
-BIII	199.7	-	521	165	-	263	233	9.5	6	4.85	4.15
-PT	-	194	674	157	318	252	194	-	-	5.10	4.35
-B-K	303.1	201	500	70	160	-	-	-	-	5.50	4.70
-R	199.7	-	526	170	-	-	-	-	-	4.35	3.70

ø 250		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	250.6	800	200	180	360	320	6.2	4	8.55	9.80
-B	-	252	591	170	-	-	-	-	-	6.50	7.40
-BIII	250.7	-	586	165	-	313	283	9.5	8	7.15	8.15
-PT	-	244	739	157	318	302	259	-	-	7.50	8.55
-B-K	352.4	252.3	585	70	160	-	-	-	-	7.60	8.70
-R	250.7	-	591	170	-	-	-	-	-	6.50	7.40

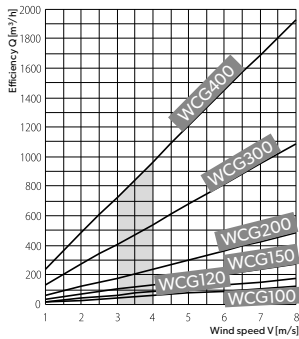
ø 300		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	299.9	883	200	180	430	380	6.2	4	11.65	13.30
-B	-	301.3	676	170	-	-	-	-	-	9.15	10.45
-BIII	300	-	671	165	-	363	337	9.5	8	9.90	11.30
-PT	-	294	824	152	318	345	309	-	-	10.10	11.55
-B-K	403.6	301.3	670	70	160	-	-	-	-	12.05	13.75
-R	300	-	676	170	-	-	-	-	-	9.15	10.45

ø 315		Dimensions [mm]								Weight [kg]	
Base version	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	314.3	949	200	180	430	380	6.2	4	12.85	14.70
-B	-	315.7	741	170	-	-	-	-	-	10.35	11.80
-BIII	314.4	-	736	165	-	378	352	9.5	8	11.10	12.70
-PT	-	309.4	889	152	318	365	324	-	-	11.35	12.95
-B-K	403.6	316	696	70	160	-	-	-	-	12.05	13.75
-R	314.4	-	741	170	-	-	-	-	-	10.35	11.80

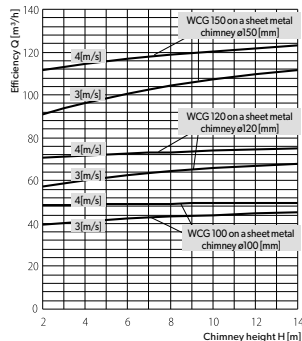
Base version	Dimensions [mm]									Weight [kg]	
	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	-	-	-	-	-	-	-	-	-	-
-B	-	349.7	781	170	-	-	-	-	-	12.45	14.20
-BIII	348.1	-	776	165	-	413	392	9.5	8	13.30	15.20
-PT	-	-	-	-	-	-	-	-	-	-	-
-B-K	452.9	349.7	730	70	160	-	-	-	-	16.95	19.35
-R	348.1	-	781	170	-	-	-	-	-	12.45	14.20

Base version	Dimensions [mm]									Weight [kg]	
	dw	dz	H	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	-	-	-	-	-	-	-	-	-	-
-B	-	401.9	846	170	-	-	-	-	-	15.90	18.15
-BIII	400.3	-	841	165	-	464	438	9.5	8	16.85	19.25
-PT	-	-	-	-	-	-	-	-	-	-	-
-B-K	503.8	401.9	830	70	160	-	-	-	-	16.95	19.35
-R	400.3	-	846	170	-	-	-	-	-	15.90	18.15

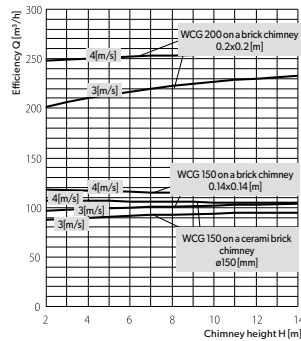
Airflow charts



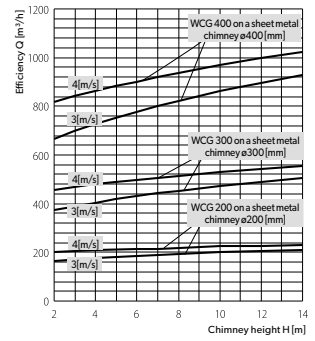
Efficiency chart for CAGI cowls (various diameters) in a function of wind speed, not including the influence of chimney height. (1[m/s]=3.6[km/h])



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]).