



## VGC CIRCULAR DUCT FAN

- ✓ Supply or extract air
- ✓ Any position installation
- ✓ Circular network ducting connection
- ✓ In-line quick installation
- ✓ Small dimensions
- ✓ High or low pressure



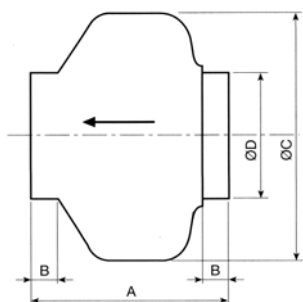
### APPLICATION

- Commercial buildings installations.
- The extremely compact VGC shaft fans can be installed in all the ducting network position, in attic, in false ceiling, on the wall etc.
- All the range are designed to be connected to standardise circular ducts (spiral duct, flexible duct etc.)
- **The range is available in 12 models, 6 sizes in 2 versions :**
  - VGC B = Low pressure
  - VGC L = High pressure

### DESCRIPTION

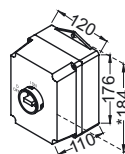
- All models are manufactured from high grade corrosion resistant pressed galvanised sheet steel.
- backward curved impeller.
- External rotor motor (except VGC 100B and VGC 250B) single phase 230V 50 Hz, class B insulation, IP44 protection with incorporated automatic thermal protection
- Minimum running temperature - 40°C

### DIMENSIONS

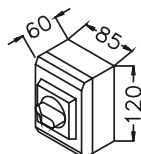


Type	A	B	C	D
VGC 100	194	23	243	98
VGC 125	195	27	243	123
VGC 160	222	28	333	157
VGC 200	223	25	333	198
VGC 250	206	27	333	248
VGC 315	230	25	401	312

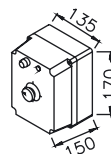
### Electrical accessories



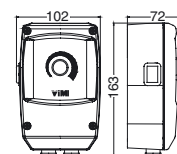
DIJZ  
Circuit-breaker



INTZ  
Disconnecting switch



VAMZ 500  
Auto-transformer speed controller



VARZ 3A200  
Electronic speed controller

### TECHNICAL DATA

#### Technical

Type (power supply 220 V)	Speed (r.p.m)	Maxi power absorbed (W)	Maxi current absorbed (A)	Maxi air flow (m³/h)	Sound pressure level dB (A) *	Temp. maxi (°C)	Weight (kg)	INTZ 02 and 03 **	DIJZ	Speed controller	
										Electronic VARZ	Autotransfo VAMZ
VGC B : Low pressure											
VGC 100B	2550	85	0,6	235	38,5	40	3	.16	05.0,63	3A200	500
VGC 125B	2500	87	0,6	280	39,5	40	3	.16	05.0,63	3A200	500
VGC 160B	2200	70	0,3	600	45,5	60	5	.16	05.0,4	3A200	500
VGC 200B	2250	125	0,5	830	47,5	60	5	.16	05.0,63	3A200	500
VGC 250B	2300	130	0,55	935	49,5	60	6	.16	05.0,63	3A200	500
VGC 315B	2300	235	1	1440	52,5	50	8	.16	05.1,6	3A200	500
VGC L : High pressure											
VGC 100L	2500	78	0,33	290	47,5	60	3	.16	05.0,4	3A200	500
VGC 125L	2450	80	0,35	410	47,5	60	3	.16	05.0,4	3A200	500
VGC 160L	2750	130	0,55	760	51,5	60	5	.16	05.0,63	3A200	500
VGC 200L	2600	170	0,72	1000	52,5	60	5	.16	05.1	3A200	500
VGC 250L	2750	180	0,80	1100	54,5	60	6	.16	05.1	3A200	500
VGC 315L	2700	350	1,45	1890	55,5	50	8	.16	05.1,6	3A200	500

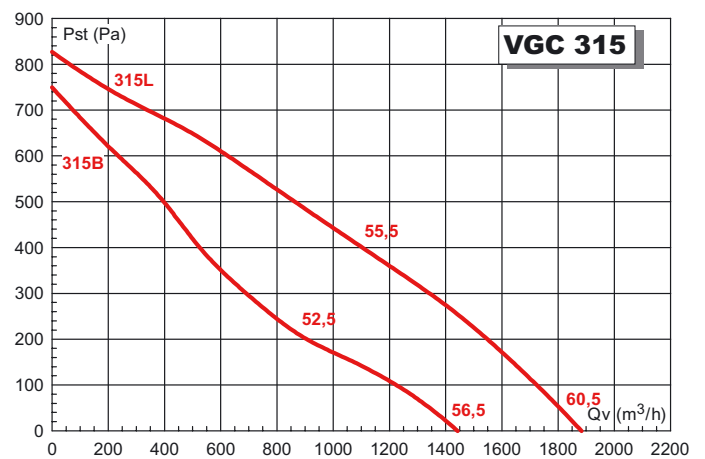
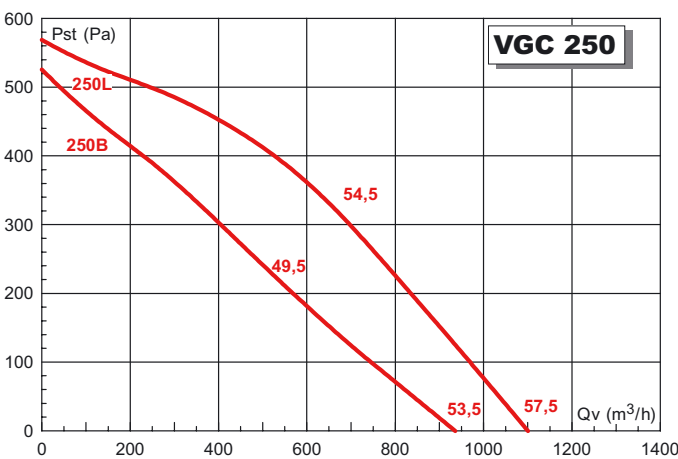
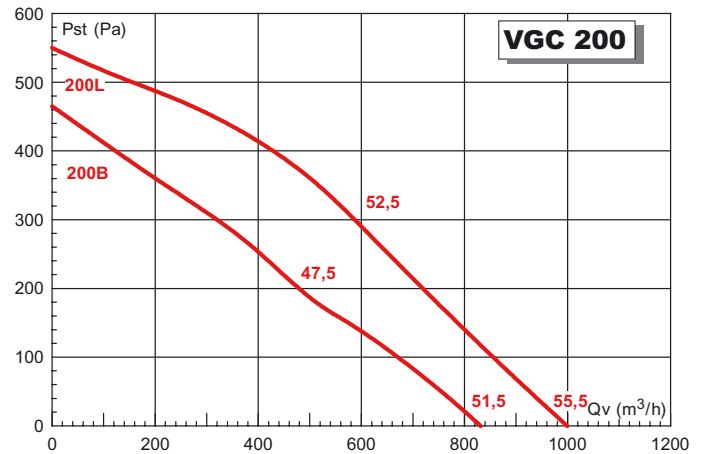
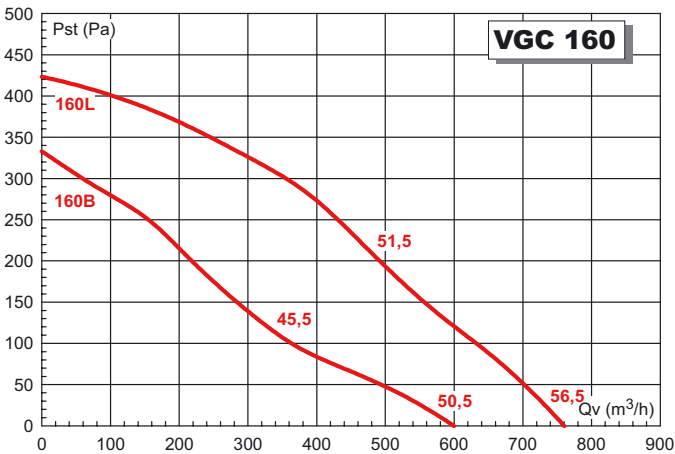
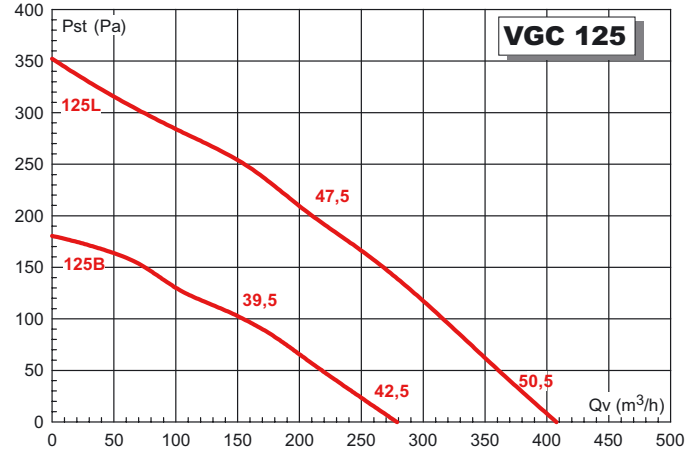
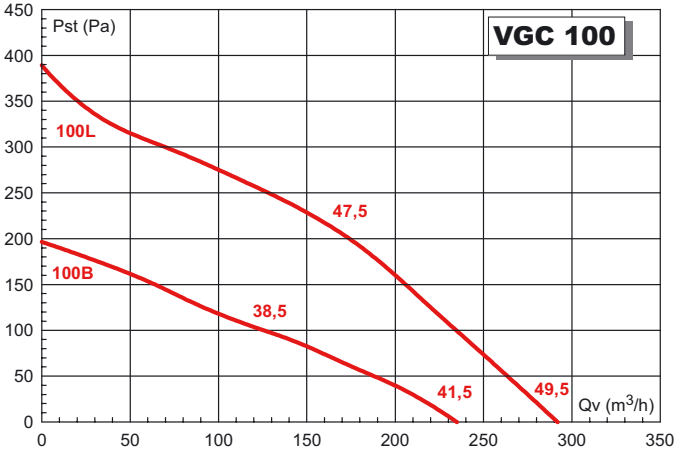
\* Sound pressure level measured in free field conditions measured at 4m  
 \*\* INTZ 02 : padlock switch with return position (On/Off) ; INTZ 03 : Standard



➤ TECHNICAL DATA

Performance curves

- Curves are established for an air density of 1,2 kg/m<sup>3</sup>.
- Qv = air flow in m<sup>3</sup>/h; Pst = static pressure in Pa
- On the curves are shown the sound pressure level s in dB (A) at 4 metres.



➤ TECHNICAL DATA

Acoustic

VGC B : Low pressure

Type	LwA Sound power level emits into the duct								LwA Sound Power level radiated							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
VGC 100B	34	41	51	47	55	52	48	38	38	26	27	31	43	40	38	31
VGC 125B	33	40	51	52	53	53	51	40	36	29	31	33	44	40	41	31
VGC 160B	33	47	53	62	59	56	49	36	31	34	40	49	49	44	41	33
VGC 200B	36	43	50	56	56	55	50	39	31	33	34	45	46	50	41	35
VGC 250B	39	48	58	64	65	62	59	48	38	39	40	47	46	46	43	37
VGC 315B	43	54	65	66	67	66	62	54	39	40	45	50	50	52	49	38

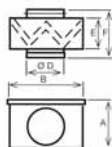
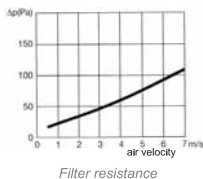
VGC L : High pressure

Type	LwA Sound power level emits into the duct								LwA Sound power level radiated							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
VGC 100L	41	47	61	58	64	59	51	41	43	38	41	42	46	41	36	29
VGC 125L	37	44	60	62	62	60	53	42	39	37	40	42	49	43	38	30
VGC 160L	39	49	61	67	66	63	57	43	41	35	42	55	53	48	41	31
VGC 200L	40	51	61	68	67	65	63	54	38	43	41	46	52	49	43	34
VGC 250L	41	54	64	69	70	68	66	55	34	47	38	47	49	44	42	31
VGC 315L	42	55	66	68	71	70	65	60	39	47	50	54	58	54	51	42

Accessories

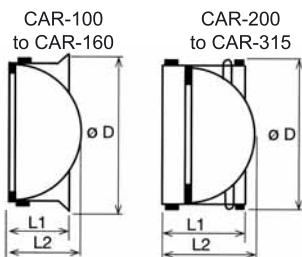
**Filter box MFL**

In-line filter box, Class G3 (85 % gravimetric)



Filter	A	B	ØD	E	F
MFL-100	200	200	100	160	250
MFL-125	200	200	125	160	250
MFL-160	220	290	160	160	250
MFL-200	290	290	200	160	250
MFL-250	320	340	250	250	380
MFL-315	380	420	315	270	410

**Backdraft shutter CAR**



Type	ØD	L1	L2
CAR-100	96	43	50
CAR-125	121	49	63
CAR-160	155	66	81
CAR-200	197	120	125
CAR-250	247	120	145
CAR-315	312	160	178

