VOLTVENT®
VENTILATION SYSTEMS

VCF SERIES

Circular inline duct fans

VCF

CENTRIFUGAL

EXTERNAL ROTOR MOTOR

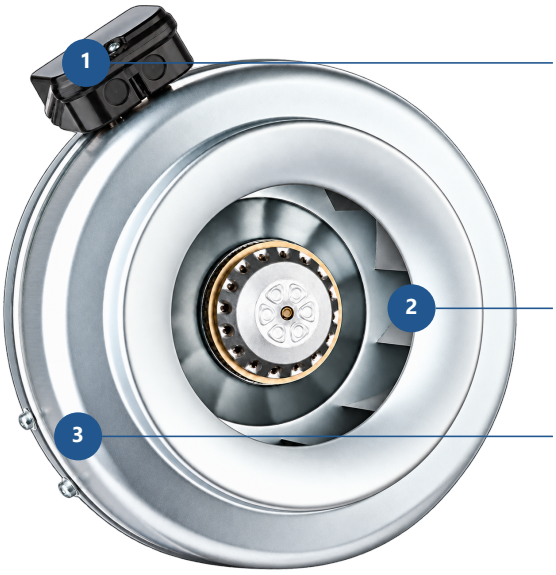


100–355	08	50 Hz
Nominal duct size / mm	Models in the range	Single-phase AC

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01 / PRODUCT & TECHNICAL DATA

Compact form. Clear construction.



01 **Motor & terminal box**

External rotor motor with a terminal box for the electrical connection.

02 **Centrifugal impeller**

Backward-curved blades within the circular inline housing.

03 **Galvanized housing**

Sheet metal casing. Mounting feet supplied with the unit.

MODEL SPECIFICATIONS

Nominal reference values / 50 Hz

Model	Duct size mm	Max. airflow* m^3/h	Input power W	Current A	Speed rpm	Weight kg
VCF 100	100	240	60	0.3	2610	2.6
VCF 125	125	315	80	0.4	2325	2.7
VCF 150	150	422	78	0.4	2450	3
VCF 160	160	440	85	0.4	2550	3.2
VCF 200	200	875	100	0.51	2530	4.8
VCF 250	250	1150	145	0.74	2650	5.3
VCF 315	315	1750	200	0.87	2500	6.9
VCF 355	355	2620	445	1.94	2450	10

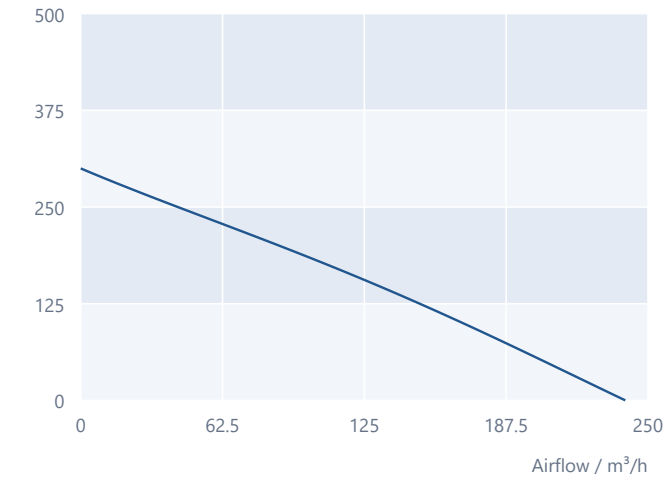
* Maximum airflow is the upper limit of the supplied performance-curve range, rounded to whole m^3/h; it is not a selected duty-point value. Actual power, current and speed depend on the operating point. Use Voltvent Selection Software for model-specific selection.

02 / AIR PERFORMANCE / 01

Fan Performance Curves

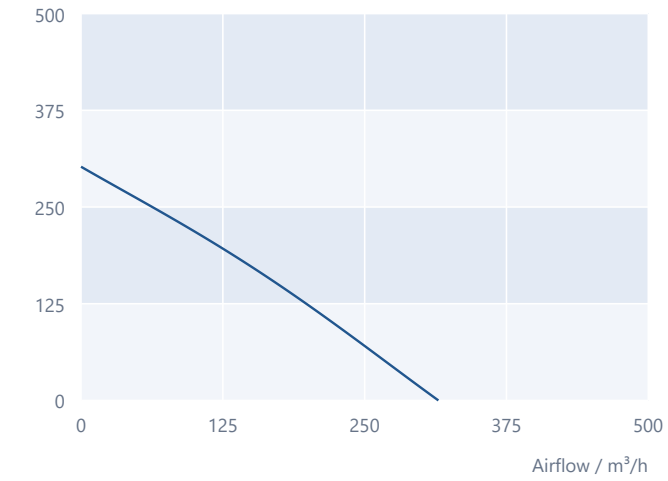
VCF 100

1~230 V / 50 Hz



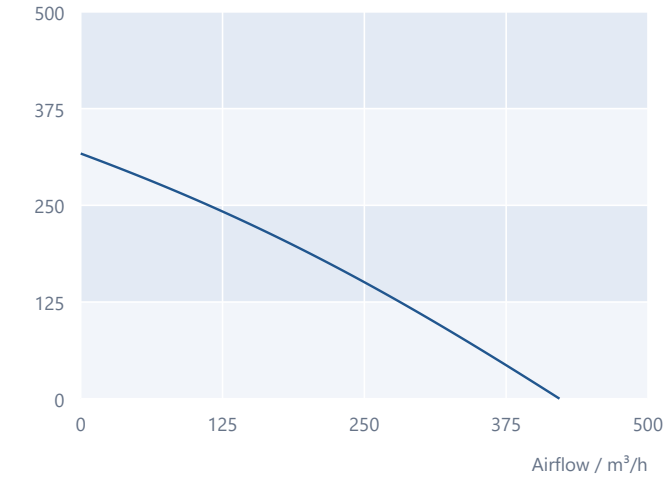
VCF 125

1~230 V / 50 Hz



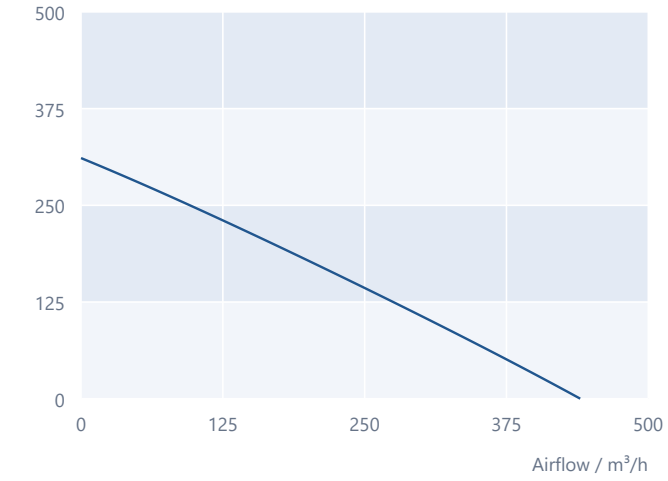
VCF 150

1~230 V / 50 Hz



VCF 160

1~230 V / 50 Hz



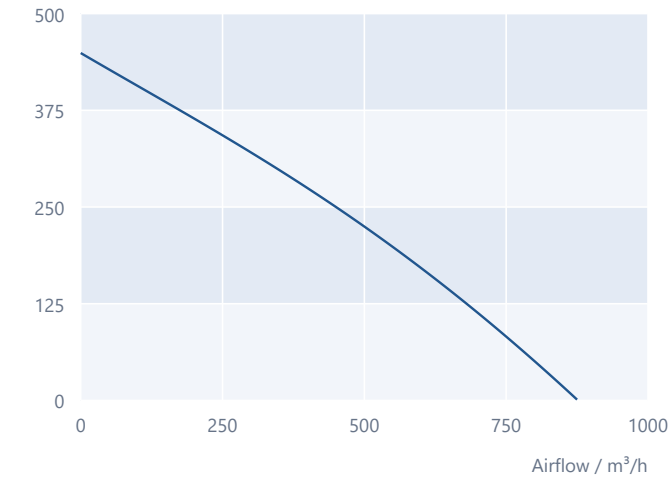
Model-specific axis scales. Listed 50 Hz curves shown only within their ranges. Maximum airflow and pressure are separate endpoints.

02 / AIR PERFORMANCE / 02

Fan Performance Curves

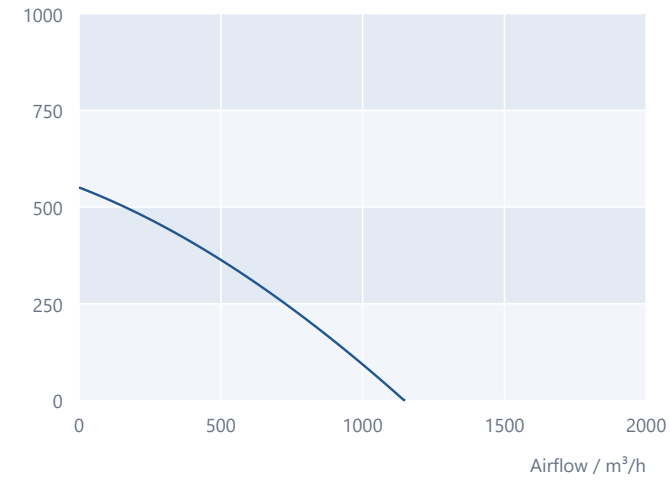
VCF 200

1~230 V / 50 Hz



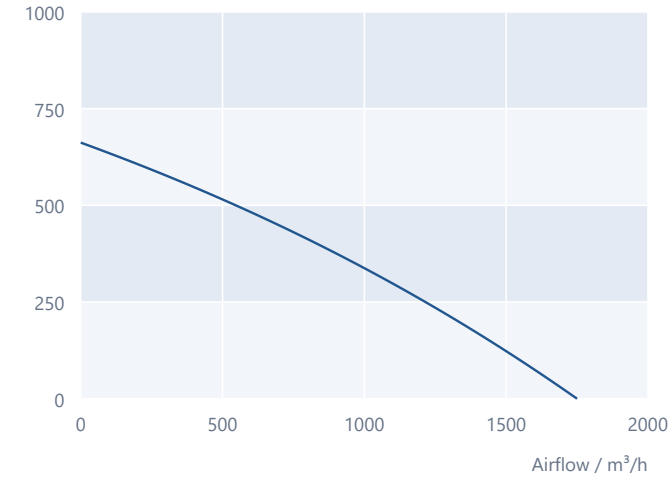
VCF 250

1~230 V / 50 Hz



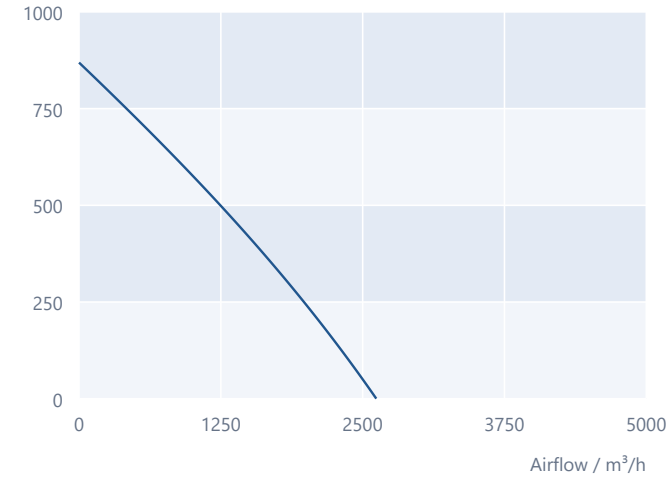
VCF 315

1~230 V / 50 Hz



VCF 355

1~230 V / 50 Hz



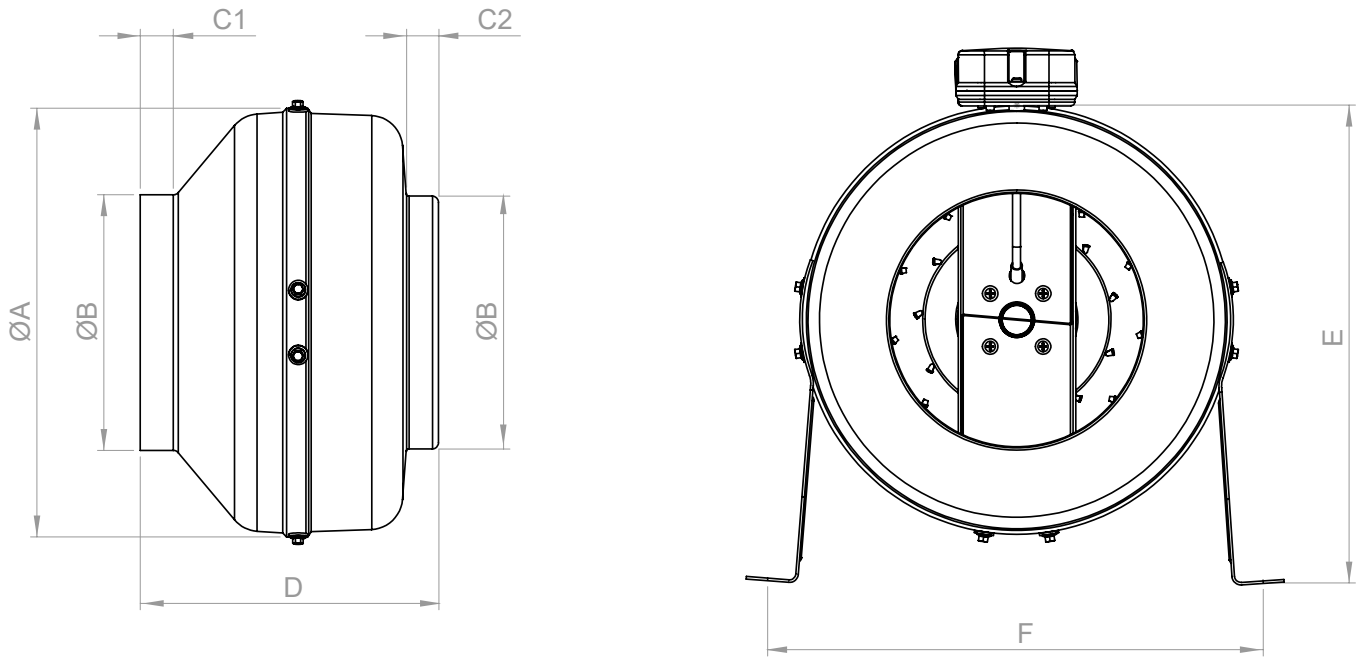
Model-specific axis scales. Listed 50 Hz curves shown only within their ranges. Maximum airflow and pressure are separate endpoints.

03 / DIMENSIONAL DATA

Plan the installation.

FAMILY DRAWING

All dimensions in mm



Model	Ø A	Ø B	C1	C2	D	E	F
VCF 100	245	97	20	20	197	273	268
VCF 125	245	122	20	20	188	273	268
VCF 150	272	147	23	25	192	286	295
VCF 160	272	157	23	25	192	286	295
VCF 200	330	196	30	28	230	380	352
VCF 250	330	247	30	28	227	380	352
VCF 315	400	313	30	30	285	415	422
VCF 355	400	352	30	30	378	415	422

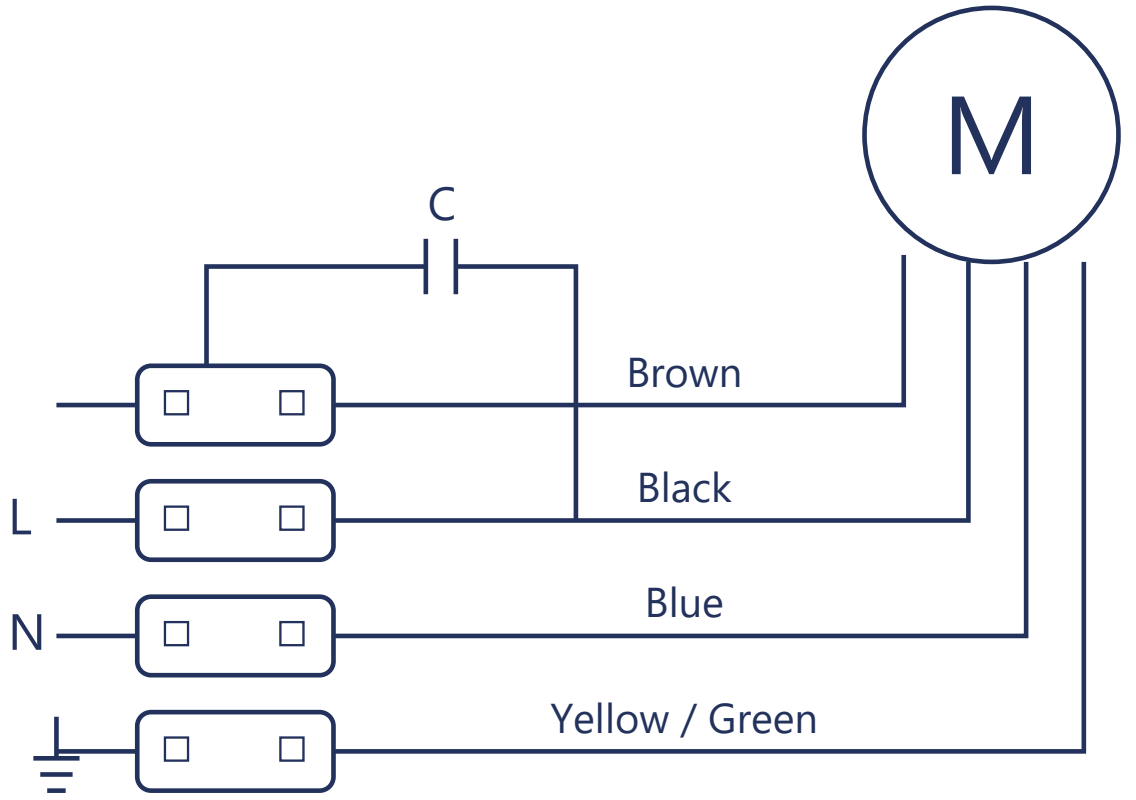
VCF series / nominal duct sizes 100–355 mm

04 / ELECTRICAL CONNECTION

Single-phase connection.

VCF SERIES

1~230 V / 50 Hz



1~230 V / 50 Hz

C: capacitor

DIAGRAM LEGEND

L	Live	N	Neutral	C	Run capacitor

Connection diagram reproduced from Voltvent Selection Software. Refer to the connection diagram supplied with the actual unit before installation.

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