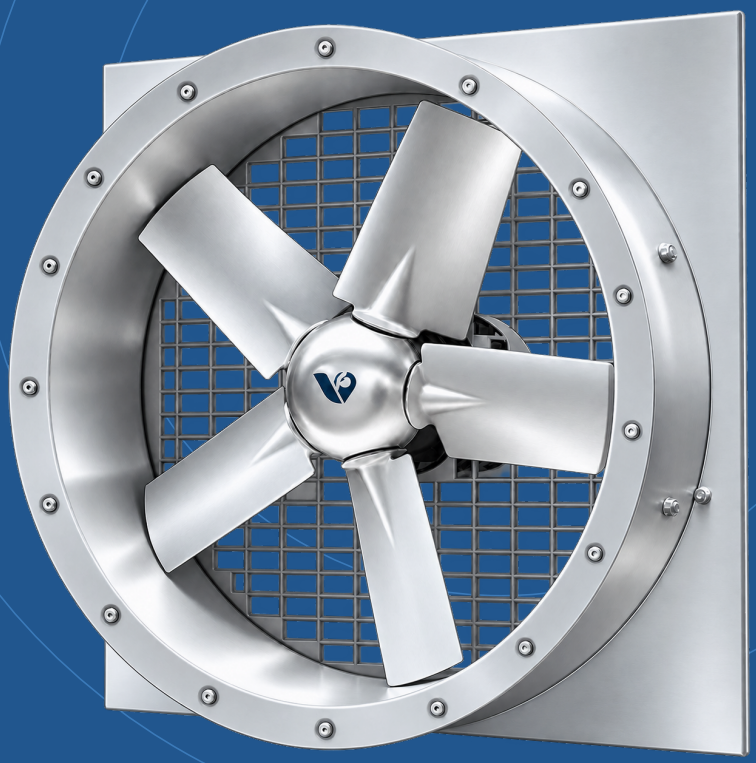
VLF-W SERIES

Wall mounted axial flow fans

VLF-W

FIVE-BLADE AXIAL IMPELLER

SQUARE WALL-MOUNTING BODY



400-1000
Fan diameter / mm

11
Models in the range

50 Hz
Three-phase AC

01 / PRODUCT OVERVIEW

Air movement for larger spaces.



01 Five-blade configurations

Nine diameters and eleven models cover the range. Blade angles from 25 to 40 degrees identify distinct performance configurations.

02 Square body and grille

The data specify a galvanized sheet-metal body with powder coating, a plastic impeller and a standard grille guard.

03 Wall-mounted ventilation

Designed for exhaust and pressurization applications. The motor sits in the airstream; allow space for access and maintenance.

SELECTION & PERFORMANCE

Match diameter, blade angle and motor.

Choose each diameter and blade-angle configuration using its separate pressure curve. Reference motor ratings and airflow come from the listed catalogue at 0 Pa. The series uses three-phase, four-pole motors; actual operating input depends on the selected duty.

Selection parameter	Catalogue basis
Fan diameter range	400-1000 mm / 9 diameters
Reference motor power	0.37-7.50 kW
Electrical supply	380 V / 3 phase / 50 Hz / 4 poles
Motor insulation / protection	Class F / IP55 / IE3
Operating temperature / duty	-20 to +50 °C / S1

Performance data. The approved product photo is illustrative; material descriptions follow FSP records.

02 / TECHNICAL DATA

Compare the configurations.

11 MODELS / 50 Hz / THREE PHASE

Model / diameter-blades-angle	Angle deg.	Motor kW	Airflow m^3/h	Speed rpm	Supply V / phase
VLF-W 400/5-25	25	0.37	2895	1450	380 / 3
VLF-W 450/5-25	25	0.55	4180	1456	380 / 3
VLF-W 500/5-25	25	0.55	5845	1453	380 / 3
VLF-W 560/5-25	25	0.75	8150	1466	380 / 3
VLF-W 630/5-30	30	1.10	13480	1465	380 / 3
VLF-W 710/5-30	30	1.50	19210	1472	380 / 3
VLF-W 800/5-30	30	2.20	25560	1459	380 / 3
VLF-W 800/5-35	35	3.00	30940	1463	380 / 3
VLF-W 900/5-35	35	4.00	39250	1471	380 / 3
VLF-W 900/5-40	40	5.50	44635	1472	380 / 3
VLF-W 1000/5-40	40	7.50	54570	1478	380 / 3

All models: 4 poles, 50 Hz, Class F insulation, IP55 protection and IE3 motors. Operating range: -20 to +50 °C. Airflow and motor ratings are catalogue references at 0 Pa; airflow is not a selected duty point.

READING THE MODEL CODE

Example: VLF-W 800/5-35/3.00kW/4P identifies an 800 mm fan, five blades, a 35-degree blade angle, a 3.00 kW motor and four poles. The table abbreviates the model code; its motor rating appears in a separate column.

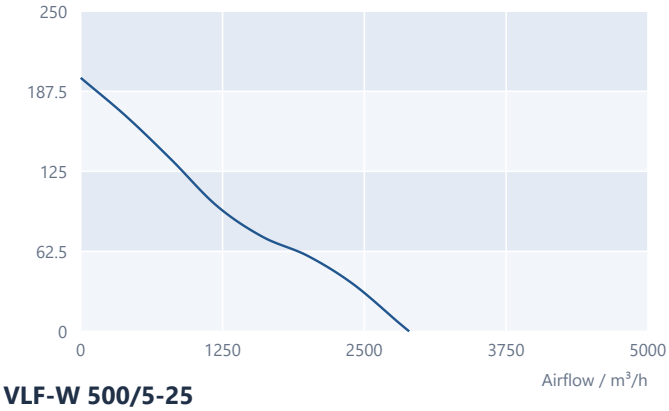
Motor current and weight were not supplied. Unclassified noise totals are omitted because their sound power/pressure basis and measurement distance are unavailable.

03 / AIR PERFORMANCE / 01

Fan Performance Curves

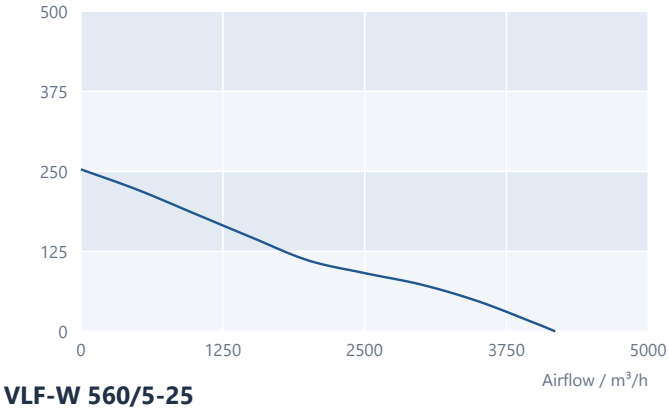
VLF-W 400/5-25

0.37 kW / 4P / 380 V / reference 1450 rpm



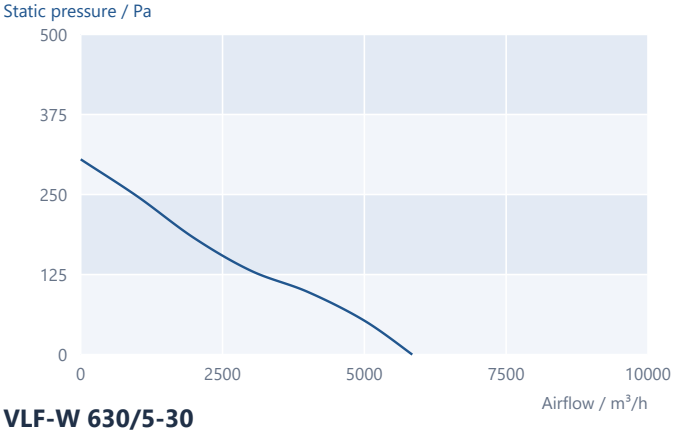
VLF-W 450/5-25

0.55 kW / 4P / 380 V / reference 1456 rpm



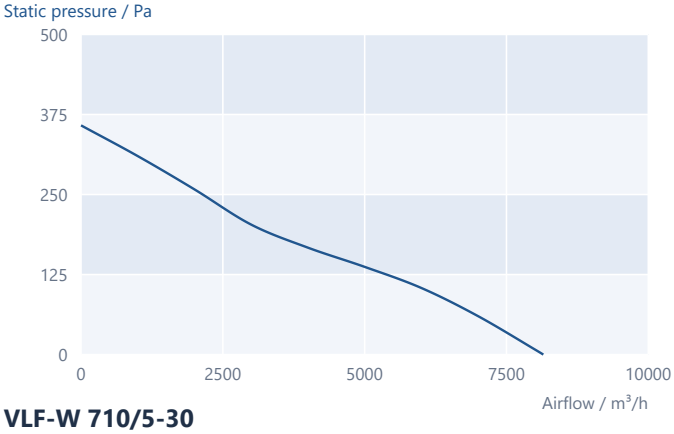
VLF-W 500/5-25

0.55 kW / 4P / 380 V / reference 1453 rpm



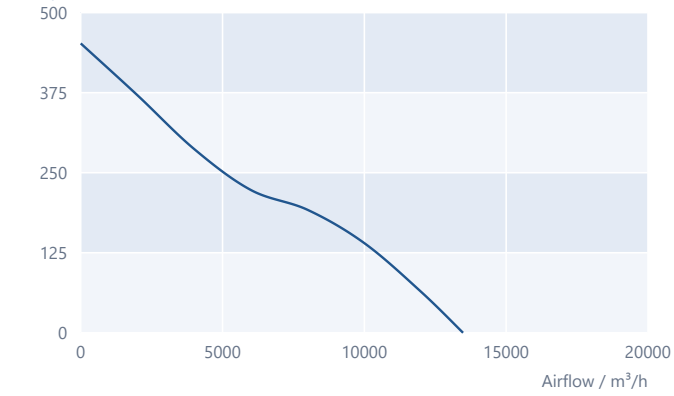
VLF-W 560/5-25

0.75 kW / 4P / 380 V / reference 1466 rpm



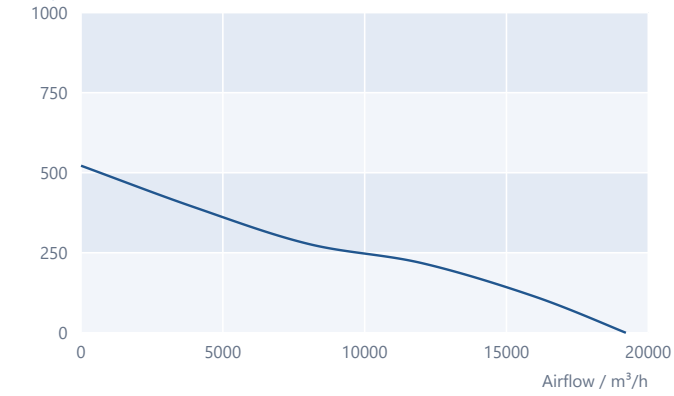
VLF-W 630/5-30

1.10 kW / 4P / 380 V / reference 1465 rpm



VLF-W 710/5-30

1.50 kW / 4P / 380 V / reference 1472 rpm



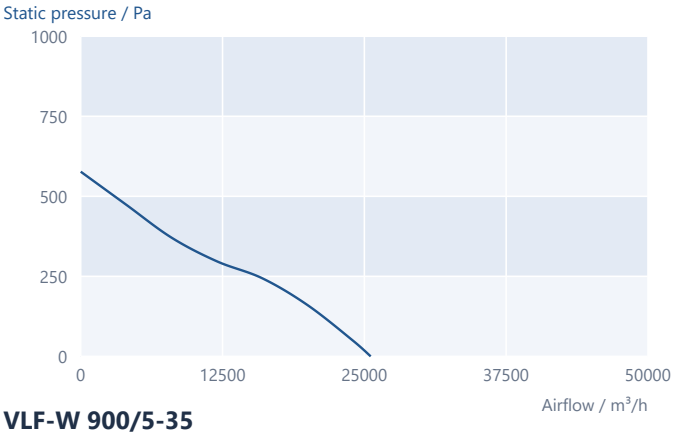
Model-specific scales. Listed catalogue pressure curves follow the original sampled vector paths within the supplied airflow domain. Reference motor ratings are at 0 Pa; no extrapolation.

03 / AIR PERFORMANCE / 02

Fan Performance Curves

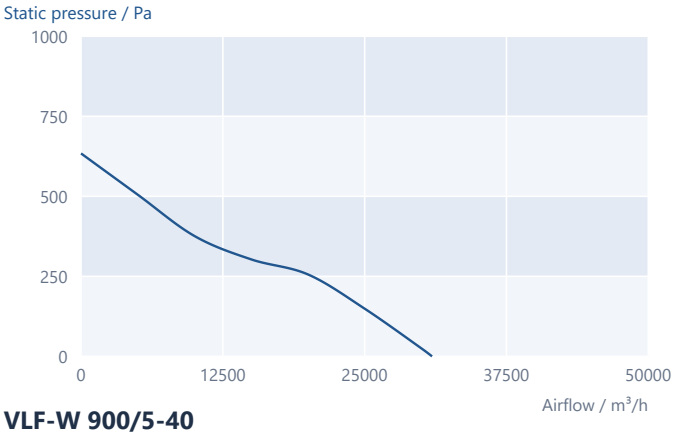
VLF-W 800/5-30

2.20 kW / 4P / 380 V / reference 1459 rpm



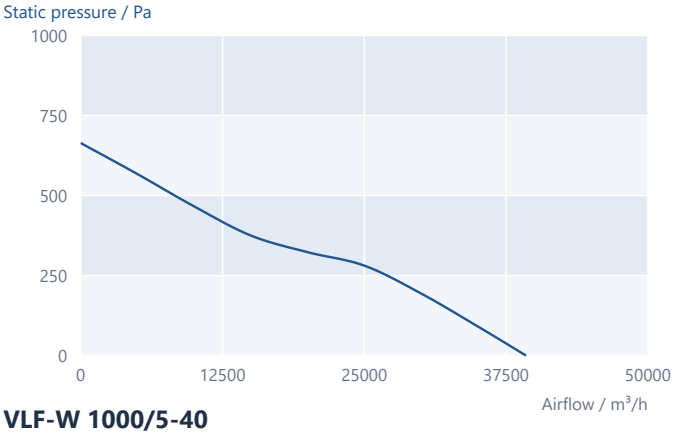
VLF-W 800/5-35

3.00 kW / 4P / 380 V / reference 1463 rpm



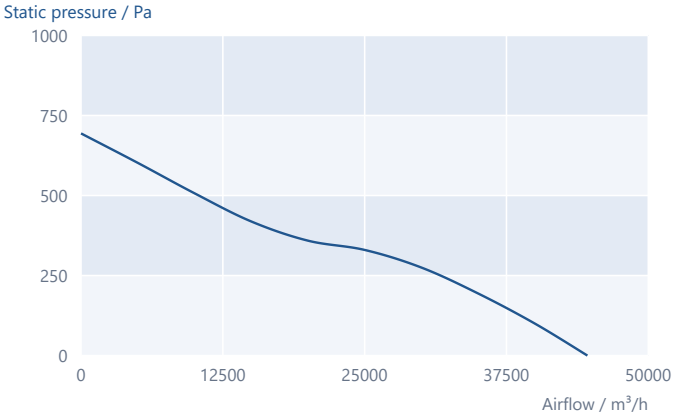
VLF-W 900/5-35

4.00 kW / 4P / 380 V / reference 1471 rpm



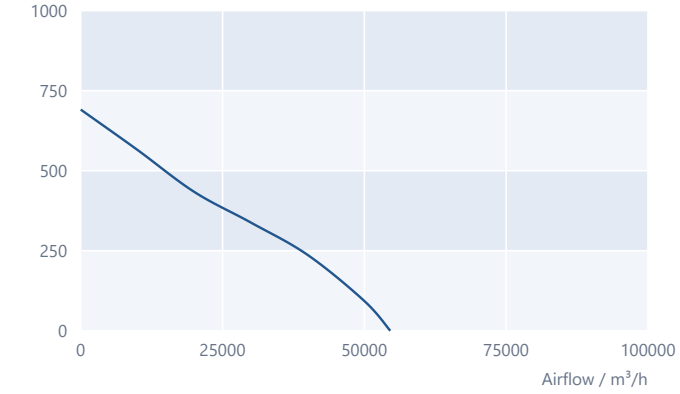
VLF-W 900/5-40

5.50 kW / 4P / 380 V / reference 1472 rpm



VLF-W 1000/5-40

7.50 kW / 4P / 380 V / reference 1478 rpm



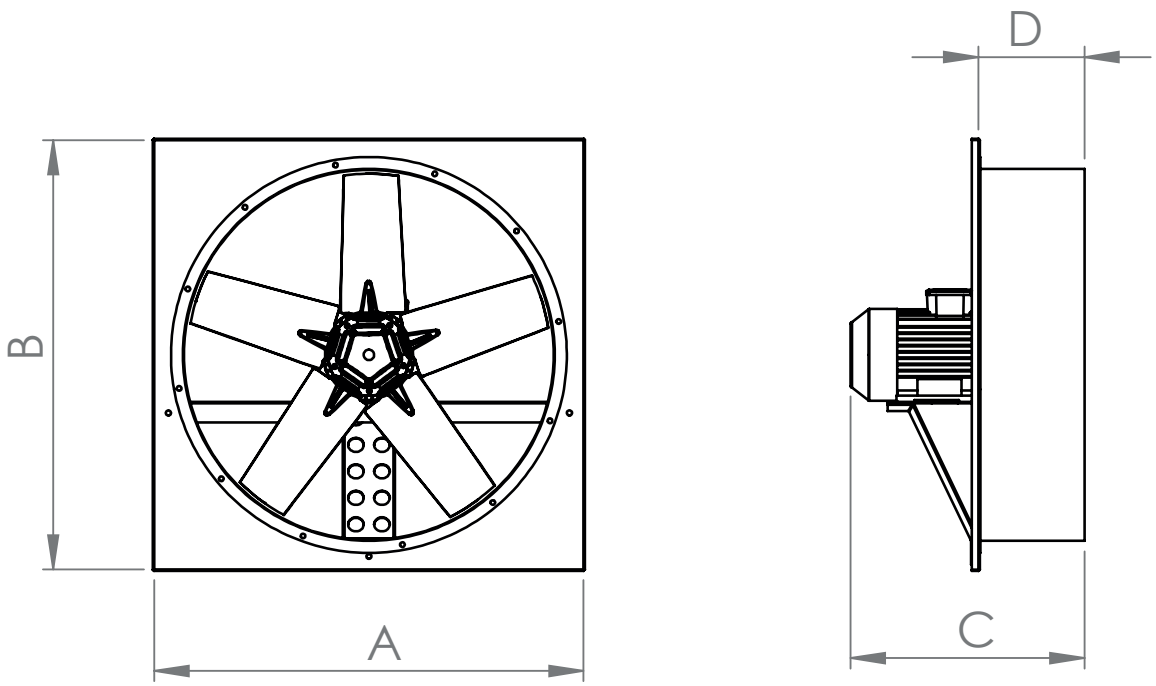
Model-specific scales. Listed catalogue pressure curves follow the original sampled vector paths within the supplied airflow domain. Reference motor ratings are at 0 Pa; no extrapolation.

04 / DIMENSIONAL DATA

Plan the wall opening.

SERIES DRAWING / 400-1000

All dimensions in mm



Model size	A	B	C	D
VLF-W 400	570	570	400	200
VLF-W 450	610	610	410	200
VLF-W 500	650	650	410	200
VLF-W 560	680	680	410	200
VLF-W 630	750	750	420	200
VLF-W 710	830	830	450	200
VLF-W 800	920	920	480	200
VLF-W 900	1020	1020	590	300
VLF-W 1000	1120	1120	700	300

Product vector drawing. Models with different blade angles at the same diameter share the listed A-D dimensions. Confirm the wall opening, fixings and motor clearance before installation.

05 / INSTALLATION & MOTOR

Prepare the installation.

01 Mounting and airflow

Support the square body securely at the wall opening. Confirm the required airflow direction and keep the grille, impeller and motor free of obstructions.

02 Motor configuration

The supplied records specify 380 V, three phase, 50 Hz and four poles. Motor insulation is Class F, protection is IP55 and efficiency class is IE3. Continuous duty is S1.

03 Connection information

A model-specific electrical connection diagram was not supplied. Use the actual motor nameplate and the connection diagram supplied with the unit to determine its terminal connections.

04 Access and maintenance

Allow access for cleaning and inspection. Isolate the electrical supply before maintenance. Keep the impeller and protective grille clean and check that mounting points remain secure.

OPERATING CONDITIONS

Use the operating range of -20 to +50 °C. The motor is in the airstream. Electrical protection, controls and any speed-control arrangement must be suitable for the actual supplied motor.

VLF-W

Wall mounted axial flow fans

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