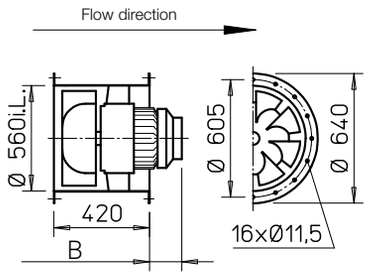
High pressure circular duct fans RADAX® VAR
Ø 560 mm

VAR 560



Also available in version:

Dimensions VAR 560



Dim. B see table
Dim. in mm

Casing
Duct with double-sided flange DIN 24155 p. 3. Made of galvanised steel sheet, fixed guide wheel with inner hub for mounting the flange motor.

Impeller
Optimised for high pressure and volume performance.
Special development with spatially curved blades made of hot-dip galvanised steel.

Drive
Directly through maintenance-free flange motor. Closed design type IP54. Aluminium or grey cast iron casing with cooling fins. Radio interference-free, sealed ball bearings. Tropicalised winding with moisture proof coating. With condensate drain holes upon request (except for explosion-proof types), and the installation method must be indicated when placing the order.

Power control
The voltage-controllable types are identified in the “Current consumption with control mode” column with a value which must be observed when determining the controller (see Speed controller column). The flow rates are shown in the performance diagram.
Explosion-proof types are not controllable.

Electrical connection
Standard terminal box (protection category IP55) on outside of duct.

Installation
Installation possible in any position; but be aware of any condensate drain holes depending on usage.

Motor protection
All types (except for explosion-proof models) are equipped with thermal contacts. These should be wired with the motor protection circuit breaker (see type table) for effective motor protection.
Motors without thermal contacts must be protected by means of on-site a motor protection circuit breaker.

Noise levels
See sound power information above performance diagram.
The lower sound pressure value can be determined using the diagram on the “Technical information” page.
See page 14 f for noise emissions and room acoustics.

Reference	Page
Techn. description	256
Selection table	257
Planning information	14 ff.

Special design
Different voltage, frequency, protection category, higher air flow temperature and acid protection upon request.

The technical information on p. 19 ff. must be observed.

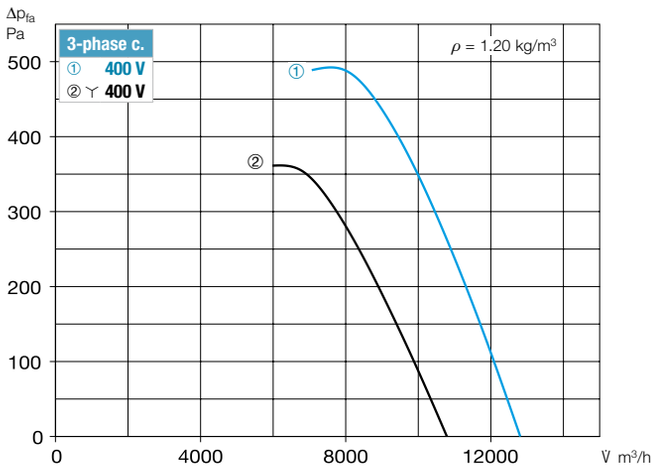
Type	Ref. no.	Speed	Flow rate free-blow.	Power consump.*	Voltage	Current consumption*		Wiring diagram	Max. air flow temp.		Weight net	Dim. B Motor protrusion	Speed controller 5-step Pole chang. switch		Motor protection circuit breaker for connecting built-in thermal contacts		Vibration dampers	
						at rated voltage	with control		at rated voltage	with control							Compr.	Tens.
		min⁻¹	V̇ m³/h	kW	V	A	A	No.	+°C	+°C	ca. kg	mm	Type	Ref. no.	Type	No.	Type	Type
Two-speed, three-phase current, 50 Hz, ⋎/△ connection, protection category IP54																		
VARD 560/4/4	06711	1130/1380	10780/12810	2.20/3.00	400⋎/△	3.5/5.9	6.5	520	60	40	95.0	159	**RDS 7**[1]	01578	**M 4**[2]	01571	**SDD 2**	**SDZ 2**
Pole-changeable, 2 speeds (Dahlander winding ⋎/⋎⋎), Three-phase current, 50 Hz, protection category IP54													Pole chang. switch					
VARD 560/8/4	06790	705/1440	6590/13570	0.90/3.60	400	2.9/8.3	–	471	60	–	100.0	175	**PDA 12**[3]	05081	–	–	**SDD 2**	**SDZ 2**
Ex **Explosion-proof, II 2G Ex h IIB T3 Gb, Motor Ex e, three-phase current 400 Volt, 50 Hz, protection category IP55**																		
VARD 560/8 Ex	06712	700	7120	0.37	400	1.61	–	470	40	–	85.0	84	not permitted		not permitted		**SDD 2**	**SDZ 2**
VARD 560/6 Ex	06713	950	9360	1.10	400	2.70	–	470	40	–	90.0	180	not permitted		not permitted		**SDD 2**	**SDZ 2**
VARD 560/4 Ex[4]	06714	1440	14980	3.60	400	6.90	–	470	40	–	135.0	305	not permitted		not permitted		**SDD 2**	**SDZ 2**

* For Ex types: Motor ratings see information on page 20.
[1] incl. motor protection circuit breaker.
[2] includes operating and speed switch.
[3] Flush-m. version see Switch product page.
[4] A vibration monitoring system (on-site) must be provided according to DIN EN 14986.

Performance curves VAR 560/4

n=1450 1/min

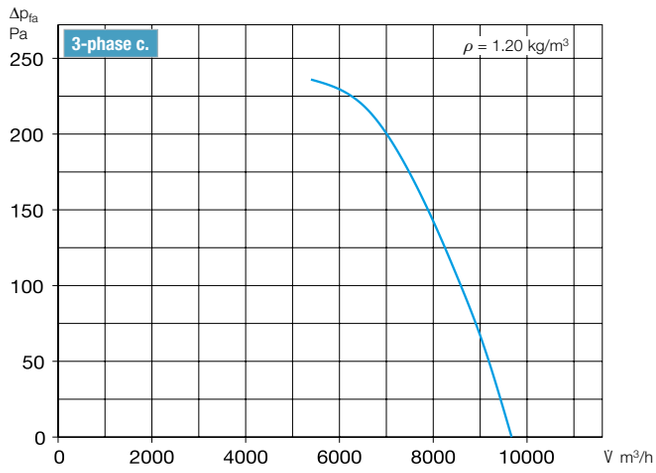
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	93	69	83	87	90	87	80	70
$L_{PA,\ 4m}$	Air noise	dB(A)	73	49	63	67	70	67	60	50



Performance curve VAR 560/6

n=950 1/min

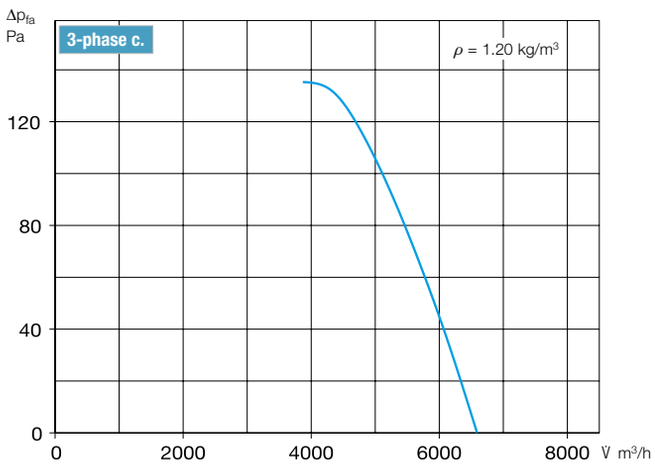
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	83	67	72	78	79	75	67	58
$L_{PA,\ 4m}$	Air noise	dB(A)	63	47	52	58	59	55	47	38



Performance curve VAR 560/8

n=725 1/min

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	76	61	68	72	72	66	58	51
$L_{PA,\ 4m}$	Air noise	dB(A)	56	41	48	52	52	46	38	31



Other accessories **Page**

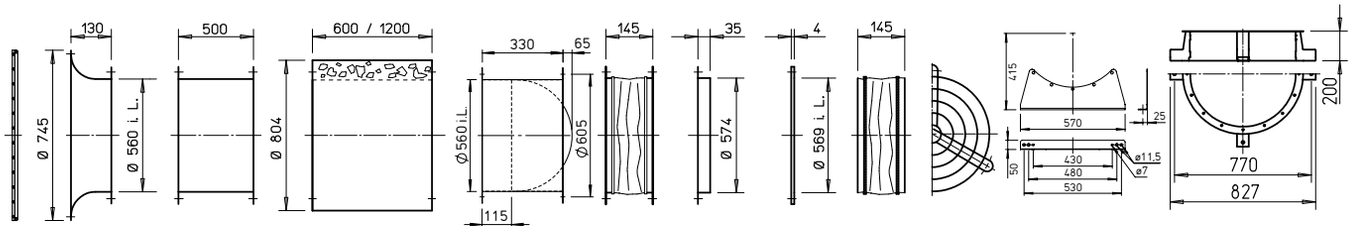
[b] Access. for expl.-proof fans

Flanged flexible connector STS 560 Ex Ref. no. 02508

Flexible connecting sleeve FM 560 Ex Ref. no. 02508

Filters and silencers 483 ff.
Shutters and ventilation grilles 563 ff.
Speed controllers, controllers and switches 601 ff.

Accessories VAR 560 Description see page 278 ff.



Intake nozzle with prot. grille **ASD-SGD 560** No. 01421

Extension duct **VR 560** No. 01409

Duct silencer- **RSD 560/..**

Duct shutter, automatic **RVS 560** [a] No. 02599

Flanged flexible connector **STS 560** [b] No. 01226

Counter flange **FR 560** No. 01209

Flat flange **FF 560** No. 04948

Flexible connecting sleeve **FM 560** [b] No. 01679

Protection grille duct side **SG 560** No. 01242

Mounting brackets **MK 560** (1 Set = 2 pcs) No. 00675

Mounting ring for vertical attachment **MRV 560** No. 01741

[a] Shutter, motorised see Accessories product pages. [b] Types for explosion-proof fans see left page.