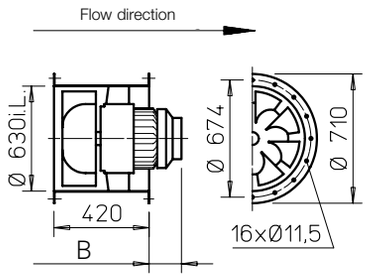
VAR 630



Also available in version: Ex

Dimensions VAR 630



Dim. B see table
Dim. in mm

Casing
Duct with double-sided flange DIN 24155 p. 3. welded construction, hot-dip galvanised. Welded-in guide wheel with inner hub for mounting the flange motor, hot-dip galvanised.

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
Continuously variable (0-100 %) through the use of a frequency inverter (except for pole-changeable models). The planned use of a frequency inverter without a sine filter should be indicated when placing the order. This requires a change of fan version and additional costs, if necessary. 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
Type VARD 630/4 is equipped with PTC thermistors. 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.

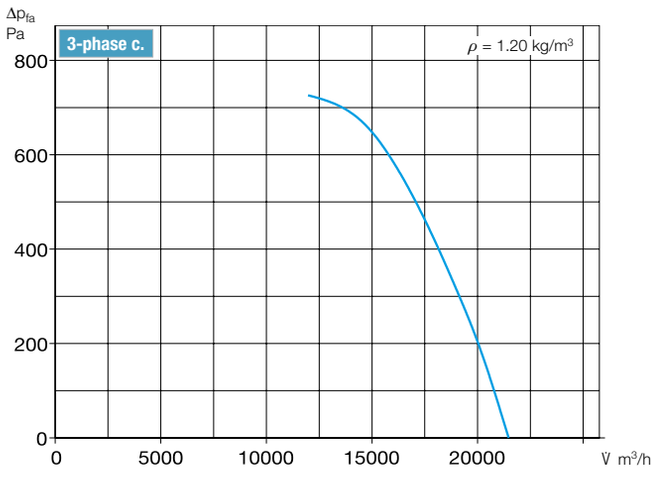
Type	Ref. no.	Speed	Flow rate free-blow.	Power consump.*	Voltage	Current consumption*		Wiring diagram	Max. air flow temp.		Weight net	Dim. B Motor protrusion	Speed controller 5-step Pole chang. switch		Motor protection circuit breaker for connecting built-in thermal contacts		Vibration dampers	
						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
Three-phase current, 50 Hz, protection category IP5																		
VARD 630/4	06717	1400	21320	6.20	400	12.0/6.9	–	776	60	–	145.0	230	**FU-BS 16**[1]	05463	**MSA**[4]	01289	**SDD 2**	**SDZ 2**
Pole-changeable, 2 speeds (Dahlander winding ϒ/ϒϒ), Three-phase current, 50 Hz, protection category IP54													Pole chang. switch					
VARD 630/8/4	06792	715/1430	10590/21170	1.40/5.50	400	5.0/12.0	–	471	60	–	145.0	255	**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 630/8 Ex	06718	705	10220	0.95	400	2.75	–	470	40	–	110.0	148	not permitted		not permitted		**SDD 2**	**SDZ 2**
VARD 630/6 Ex	06719	965	13990	1.90	400	5.1	–	470	40	–	130.0	210	not permitted		not permitted		**SDD 2**	**SDZ 2**
VARD 630/4 Ex[5]	06720	1460	21400	6.80	400	13.4	–	498	40	–	165.0	251	not permitted		not permitted		**SDD 2**	**SDZ 3**

* For Ex types: Motor ratings see information on page 20. [1] incl. motor protection circuit breaker and sine filter. [2] includes operating and speed switch.
[3] Flush-m. version see Switch product page. [4] for PTC thermistor temperature sensor. [5] A vibration monitoring system (on-site) must be provided according to DIN EN 14986.

Performance curve VAR 630/4

n=1450 1/min

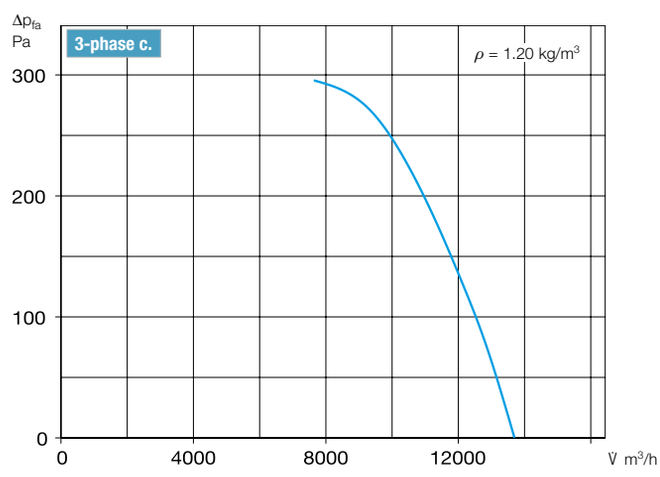
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	97	73	89	91	93	91	84	74
$L_{PA,\ 4m}$	Air noise	dB(A)	77	53	69	71	73	71	64	54



Performance curve VAR 630/6

n=1450 1/min

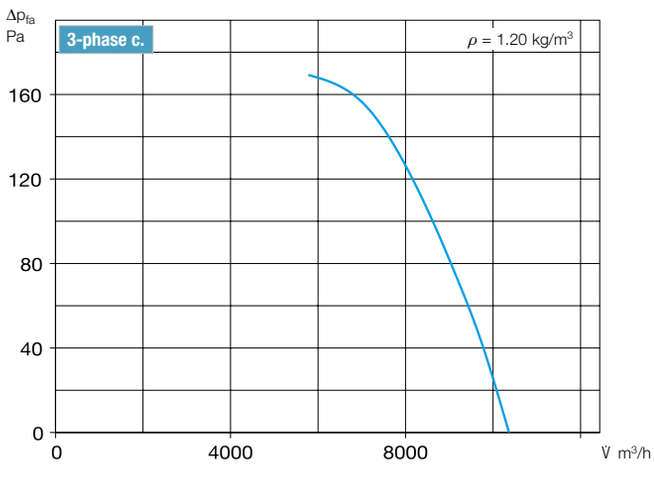
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	87	70	76	82	83	78	70	62
$L_{PA,\ 4m}$	Air noise	dB(A)	67	50	56	62	63	58	50	42



Performance curve VAR 630/8

n=725 1/min

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	80	65	71	76	75	70	62	55
$L_{PA,\ 4m}$	Air noise	dB(A)	60	45	51	56	55	50	42	35



Other accessories **Page**

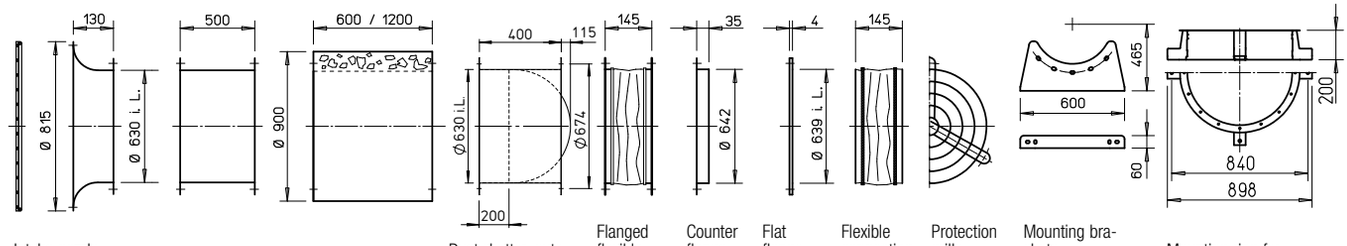
[b] Access. for expl.-proof fans

Flanged flexible connector STS 630 Ex Ref. no. 02509

Flexible connecting sleeve FM 630 Ex Ref. no. 01696

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

Accessories VAR 630 Description see page 278 ff.



Intake nozzle with prot. grille **ASD-SGD 630** No. 01422

Extension duct **VR 630** No. 01410

Duct silencer- **RSD 630/..**

Duct shutter, automatic **RVS 630** [a] No. 02600

Flanged flexible connector **STS 630** [b] No. 01228

Counter flange **FR 630** No. 01211

Flat flange **FF 630** No. 04949

Flexible connecting sleeve **FM 630** [b] No. 01680

Protection grille duct side **SG 630** No. 01243

Mounting brackets **MK 630** (1 Set = 2 pcs) No. 01333

Mounting ring for vertical attachment **MRV 630** No. 01742

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