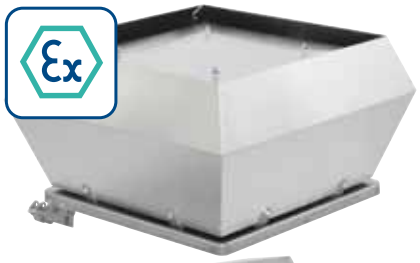
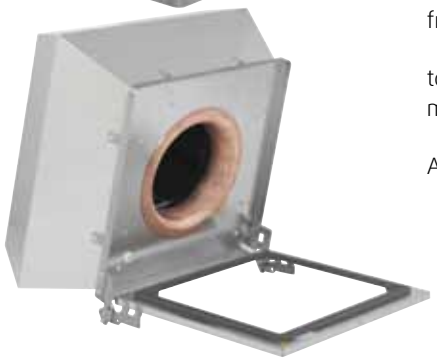




DVEX

- In accordance with ATEX directive 94-9 EC
- Speed-controllable
- Motor protection via cold conductor

The DVEX models have impellers with backward-curved blades and external rotor motors. The casing is made from aluminium and the base frame from galvanised steel, with a copper inlet cone.

To protect the motor from overheating these fans have cold conductor with external leads which must be connected to the U-EK230E EX motor protection relay.

Improved safety in accordance with Ex e IIB T3. Certified according to ATEX.

ELECTRICAL ACCESSORIES

U-EK 230E EX
p. 338

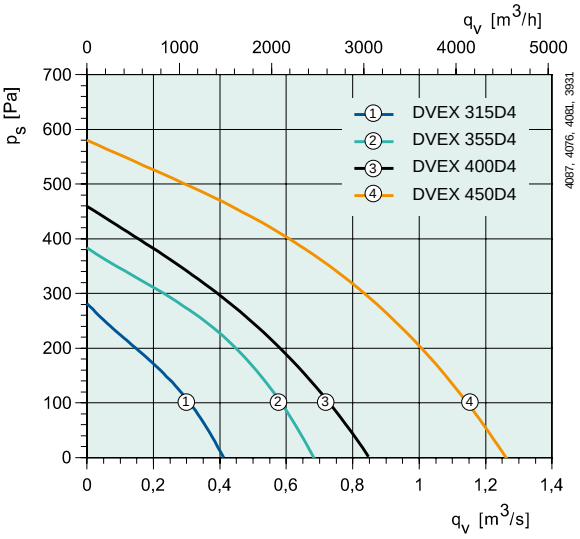
R-DK4 KT
p. 323

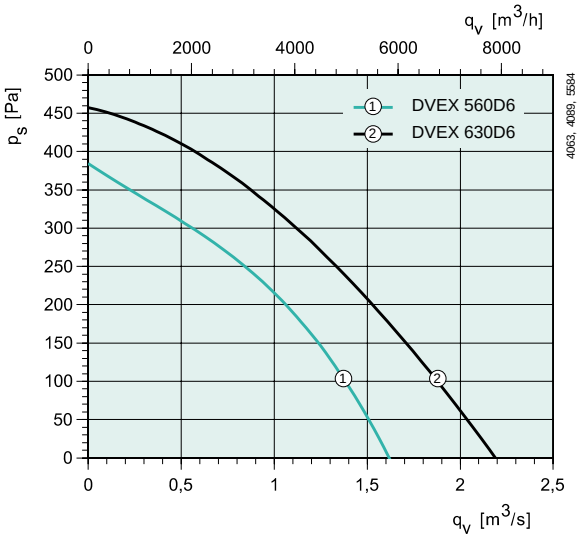
RTRD p. 321

RTRDU p. 321

Ex e-Terminal box 32A
p. 339

QUICK SELECTION



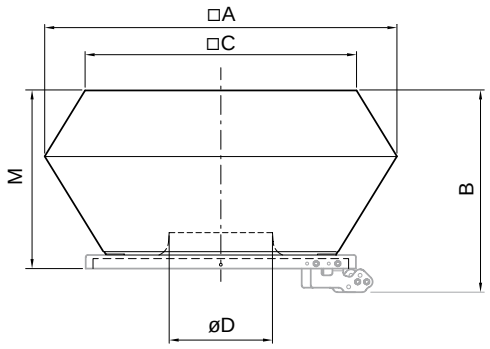


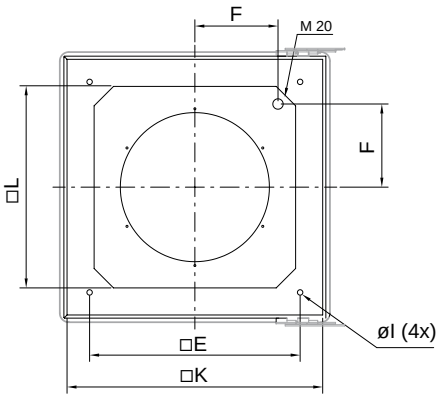
TECHNICAL DATA

DVEX		315D4	355D4	400D4	450D4
Art no		32813	32814	32815	32816
Voltage/Frequency	V/50 Hz	400 3~	400 3~	400 3~	400 3~
Power	W	120	260	390	720
Current	A	0.23	0.47	0.76	1.42
Max air flow	m3/s	0.411	0.689	0.847	1.26
R.p.m.	min-1	1340	1340	1350	1360
Max temp. of transported air	°C	-20... +40	-20... +40	-20... +40	-20... +40
" when speed controlled	°C	-20... +40	-20... +40	-20... +40	-20... +40
Sound pressure level at 4/10 m	dB(A)	44/36	49/41	54/46	57/49
Weight	kg	18	28	29	40
Insulation class, motor		F	F	F	F
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44
Motor protection		U-EK230E EX	U-EK230E EX	U-EK230E EX	U-EK230E EX
Certificate		SP 07ATEX3129X	SP 07ATEX3130X	SP 07ATEX3131X	SP 07ATEX3132X
Speed control, five step	Transformer	RTRD 2*	RTRD 2*	RTRD 2*	RTRD 2*
Speed control, five step high/low	Transformer	RTRDU 2*	RTRDU 2*	RTRDU 2*	RTRDU 2*
Wiring diagram p. 391-400		11	11	11	11

** + U-EK230E EX. NB! When using the RTRD or RTRDU together with an EX motor protection type U-EK230E EX, the two terminals in the transformer marked "TK" must be bridged.*

DIMENSIONS





DVEX	□A	B	□C	øD	□E	F	øI	□K	□L	M
315D4	560	382	470	192	330	146	12	406	304	330
355D4	720	442	618	226	450	199	12	566	466	390
400D4	720	442	618	255	450	199	12	566	466	390
450D4	900	517	730	289	535	237	12	636	490	465
560D6	1150	–	955	364	750	293	12	939	–	560
630D6	1150	–	955	410	750	293	12	939	–	560

Shadowed area not for sizes 560, 630

VENTILATION ACCESSORIES


ASF p. 375


ASK p. 380


ASS-EX p. 381


BTG p. 374


FDS p. 374


FTG p. 371


SSD p. 374

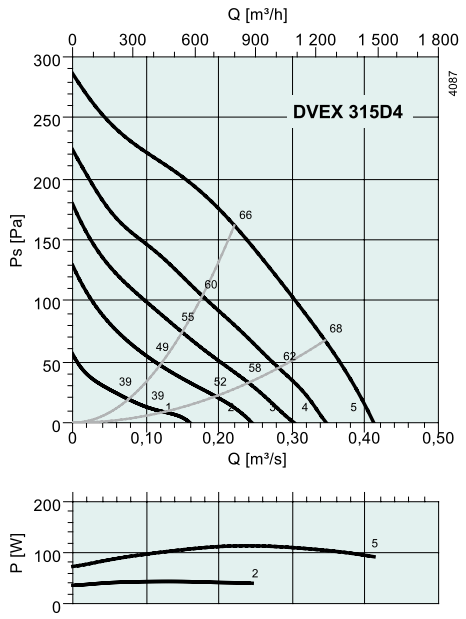

TDA p. 371


VKS-EX p. 380

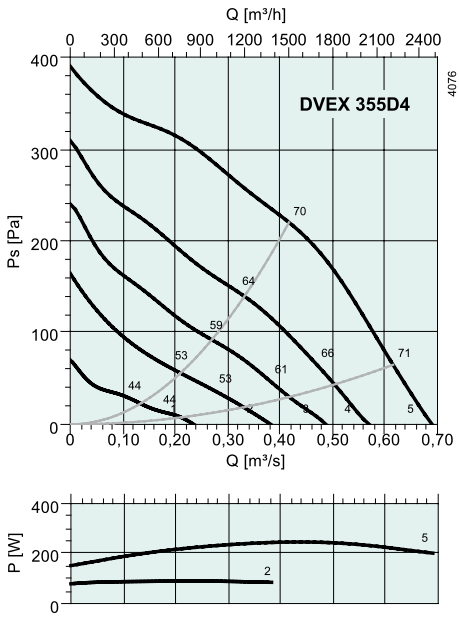
DVEX		560D6	630D6			
Art no		32818	32819			
Voltage/Frequency	V/50 Hz	400 3~	400 3~			
Power	W	620	1070			
Current	A	1.23	2.15			
Max air flow	m3/s	1.62	2.20			
R.p.m.	min-1	900	880			
Max temp. of transported air	°C	-20... +40	-20... +40			
" when speed controlled	°C	-20... +40	-20... +40			
Sound pressure level at 3 m	dB(A)	52/44	55/47			
Weight	kg	62	78			
Insulation class, motor		F	F			
Enclosure class, motor		IP 44	IP 44			
Motor protection		U-EK230E EX	U-EK230E EX			
Certificate		SP 07ATEX3134X	SP 07ATEX3135X			
Speed control, five step	Transformer	RTRD 2*	RTRD 4*			
Speed control, five step high/low	Transformer	RTRDU 2*	RTRDU 4*			
Wiring diagram p. 391-400		11	11			

** + U-EK230E EX. NB! When using the RTRD or RTRDU together with an EX motor protection type U-EK230E EX, the two terminals in the transformer marked "TK" must be briged.*

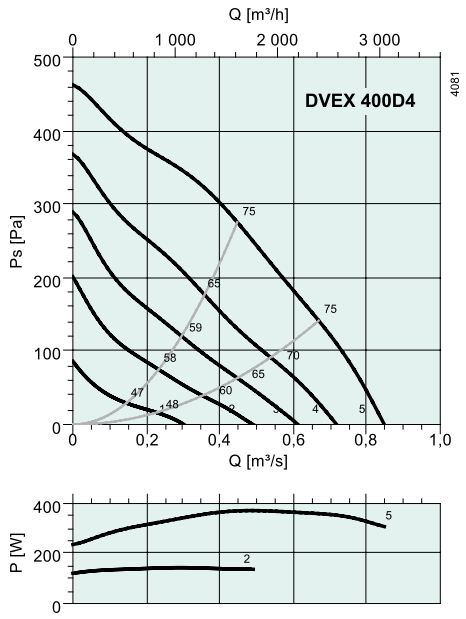
PERFORMANCE



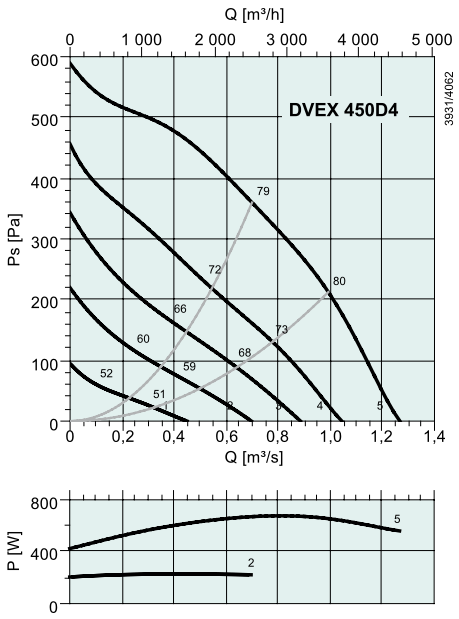
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	64	48	53	56	60	55	53	49	37
L_{wA} Outlet	67	48	53	56	63	63	59	52	40
Measurement point: 0,221 m³/s; 162 Pa									



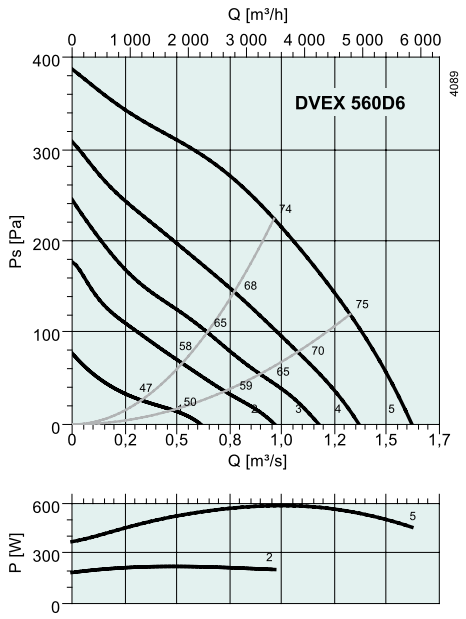
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	68	50	58	61	63	60	58	52	43
L_{wA} Outlet	72	51	58	64	67	67	63	55	48
With TG 540-800									
L_{wA} Inlet	61	50	55	55	54	48	50	47	38
Measurement point: 0,417 m³/s; 220 Pa									

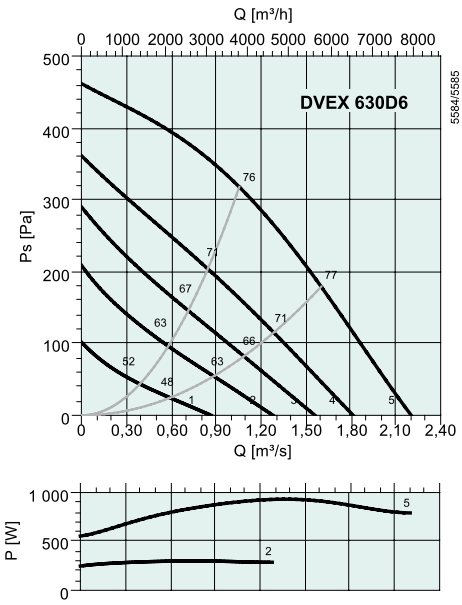


dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} In let	72	58	62	66	67	64	62	55	47
L_{wA} Outlet	77	57	62	69	72	72	67	59	50
With TG 640-800									
L_{wA} Inlet	67	57	60	62	60	55	56	51	43
Measurement point: 0,448 m³/s; 275 Pa									



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	76	58	64	71	71	68	66	58	52
L_{wA} Outlet	80	58	67	74	75	75	70	62	53
With TG 640-800									
L_{wA} Inlet	71	57	62	67	64	59	60	54	48
Measurement point: 0,699 m³/s; 360 Pa									





dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	70	58	59	66	63	64	59	52	45
L_{wA} Outlet	75	57	61	69	71	70	63	57	55
With TG 940-1230									
L_{wA} Inlet	66	58	57	62	55	57	54	48	41
Measurement point: 0,962 m^3/s; 224 Pa									

dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	73	53	64	69	66	64	61	60	54
L_{wA} Outlet	78	53	65	71	74	71	65	64	57
With TG 940-1230									
L_{wA} Inlet	68	53	62	65	58	57	56	56	50
Measurement point: 1,05 m^3/s; 318 Pa									