

Square duct fans



KDRE

- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Maintenance-free and reliable

KDRE fans have external rotor motors and mixed flow impeller. The KDRE series is notable for its relatively high static pressure and high level of efficiency. The casing is manufactured from galvanised sheet steel.

To protect the motor from overheating, the KDRE fans have integral thermal contacts with leads for connection to a motor protection device.

The fans can be installed in any position and are simple to couple using DS flexible connections.

ELECTRICAL ACCESSORIES



S-ET/STD
p. 341-342



RTRE p. 320



REU p. 320



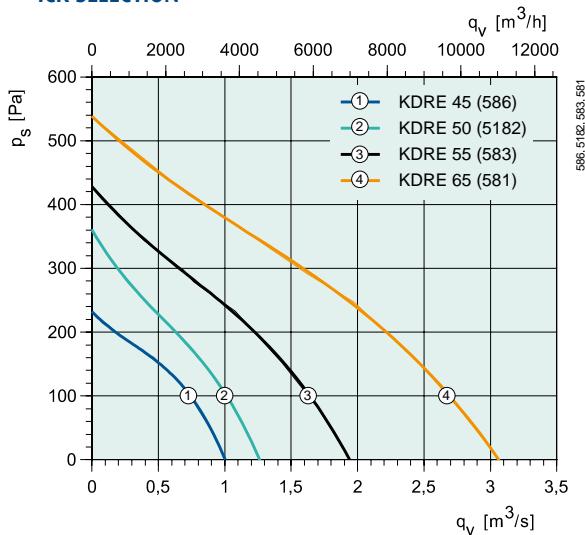
REE p. 321



RTRD/RTRDU
p. 321

4466.1646; 3925; 694

ICK SELECTION

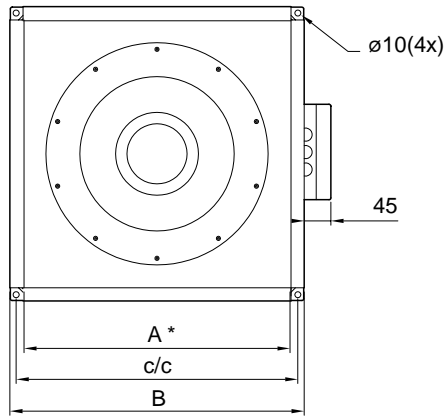
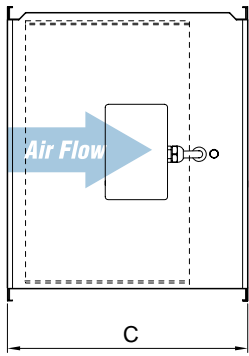


TECHNICAL DATA

		KDRE 45	KDRE 50		KDRE 55		KDRE 65
Art no.		1311	1313	1314	1315	1316	1317
Voltage/Frequency	V/50 Hz	230 1~	230 1~	400 3~	230 1~	400 3~	230 1~
Power	W	325	442	462	861	789	1501
Current	A	1.55	1.94	0.962	4.10	1.52	6.61
Max air flow	m³/s	1.00	1.27	1.34	1.94	1.87	3.07
R.p.m.	min-1	1387	1297	1397	1280	1315	1315
Max temp. of transported air	°C	70	70	70	45	49	70
" when speed controlled	°C	70	70	70	45	40	70
Sound pressure level at 3 m	dB(A)	45	52	54	51	55	61
Weight	kg	23.5	31	29	41	38	54
Insulation class, motor		F	F	F	F	F	F
Enclosure class, motor		IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Capacitor		8	10	-	16	-	30
Motor protection		S-ET 10	S-ET 10	STD 16	S-ET 10	STD 16	S-ET 10
Speed control, five-step	Transformer	RTRE 3	RTRE 5	RTRD 2	RTRE 5	RTRD 2	RTRE 7
Speed control, five step high/low	Transformer	REU 3*	REU 5*	RTRDU 2	REU 5*	RTRDU 2	REU 7*
Speed control, stepless	Thyristor	REE 2*	REE 4*	-	-	-	-
Wiring diagram p. 391-400		6	6	8	6	8	6

* + S-ET 10

DIMENSIONS



	A	c/c	B	C
KDRE 45	447	470	492	400
KDRE/D 50	502	520	547	450
KDRE/D 55	550	573	595	485
KDRE/D 65	661	680	707	510

VENTILATION ACCESSORIES



DSK p. 370



LDK p. 365



FFS p. 368



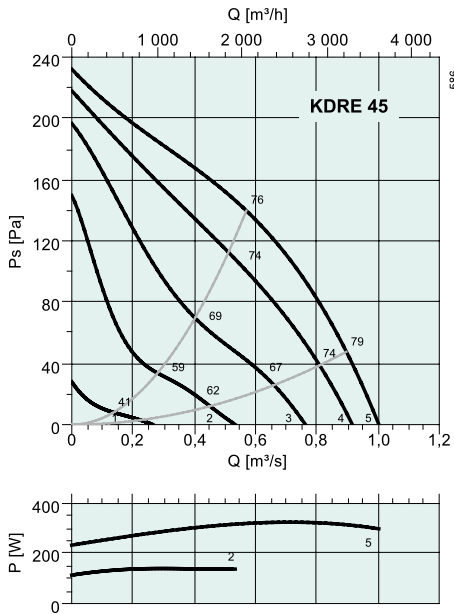
RBK p. 368



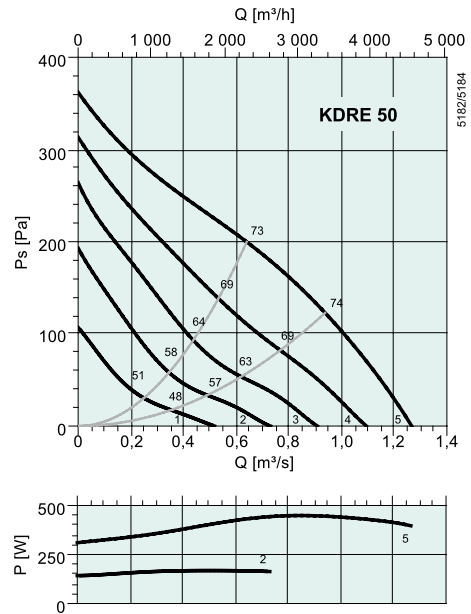
VBK p. 367

Square duct fans

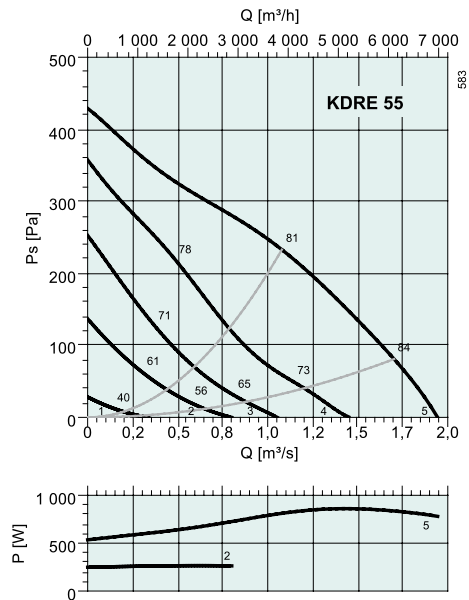
PERFORMANCE



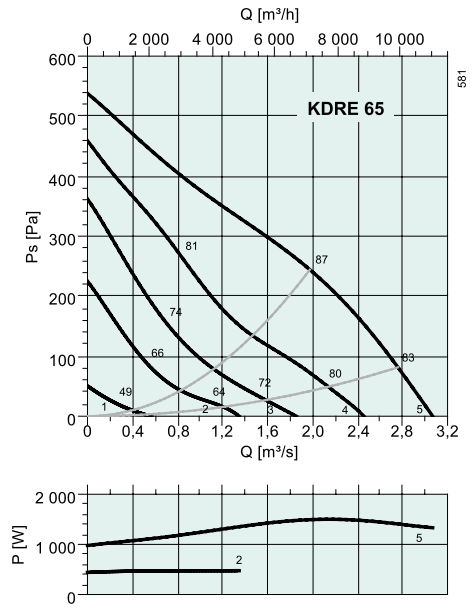
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	70	49	60	62	64	64	62	57	50
L _{WA} Outlet	74	51	61	63	66	71	67	58	49
L _{WA} Surrounding	52	33	40	47	46	47	43	35	31
With LDK 45									
L _{WA} Inlet	61	49	55	54	51	52	54	50	43
L _{WA} Outlet	64	51	56	55	53	59	59	51	42
Measurement point: 0,57 m ³ /s; 140 Pa									



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	71	46	58	64	68	63	60	58	50
L _{WA} Outlet	74	47	62	64	68	69	65	62	54
L _{WA} Surrounding	59	27	45	57	52	49	47	44	40
With LDK 50									
L _{WA} Inlet	61	46	51	56	55	51	51	50	43
L _{WA} Outlet	64	47	55	56	55	57	56	54	47
Measurement point: 0,64 m ³ /s; 200 Pa									



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	75	58	62	68	70	70	67	60	54
L _{WA} Outlet	80	58	64	69	72	76	72	64	57
L _{WA} Surrounding	58	43	48	56	46	49	44	40	34
With LDK 55									
L _{WA} Inlet	65	58	53	59	57	58	57	51	46
L _{WA} Outlet	69	58	55	60	59	64	62	55	49
Measurement point: 1,08 m ³ /s; 233 Pa									



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{WA} Inlet	78	56	65	71	72	71	70	64	65
L_{WA} Outlet	86	55	67	74	78	83	79	73	75
L_{WA} Surrounding	68	36	53	63	60	64	58	50	54
With LDK 65									
L_{WA} Inlet	69	56	59	64	58	58	61	56	58
L_{WA} Outlet	76	55	61	67	64	70	70	65	68
Measurement point: 1,98 m³/s; 244 Pa									