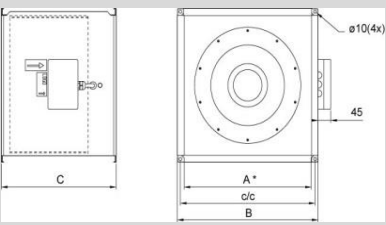
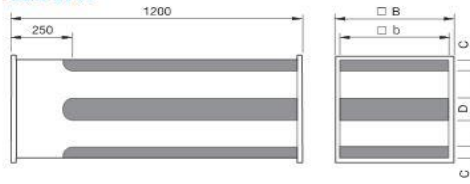


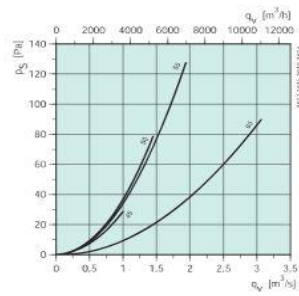
Item	Description	Model Num	Dimension WxHxD (mm)	Weight
1315	KDRE 55 Square Duct Fan	KDRE 55	 550x573x595x485	40 kg
5103	Flexible Connection	DSK 55		
5116	Silencer	LDK 55	1200	45 kg

LDK Sound attenuator

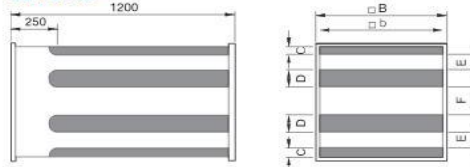
LDK 45-55



	b	B	C	D
LDK 45	450	490	50	100
LDK 50	502	546	50	150
LDK 55	661	594	50	200



LDK 65-70

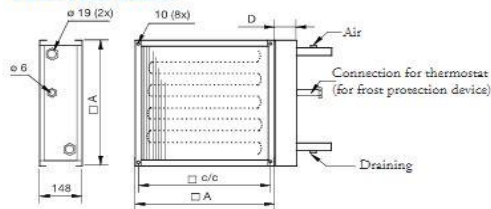


	b	B	C	D	E	F
LDK 65	661	703	50	100	93	175
LDK 70	696	740	50	100	110	176

Noise suppression dB frequency band Hz

LDK	125	250	500	1k	2k	4k	8k
45	5	8	13	12	8	7	7
50	7	8	13	12	9	8	7
55	9	9	13	12	10	9	8
65	6	7	14	13	9	8	7
70	5	7	19	24	23	15	10

VBK Water heater



	A	c/c	D	no. of rows
VBK 45	492	470	78	2
VBK 50	547	520	78	2
VBK 55	595	573	98	2
VBK 65	707	680	98	2

Water heating battery for square ducts The casing is made of galvanised steel, the heat transmission elements are copper tubes with aluminium fins, and with copper pipes for connecting water inlet and outlet.

If the VBK is to be used in very cold conditions it may be necessary to install a frost protection device. The VBK is designed for horizontal mounting with the water connection to the right. For best results the air and water must be going through the battery in opposite directions.

The water must be flowing upwards in order to facilitate airing of the battery. Software for determining the required dimensions for the desired output is available.

Noise Level (dBA)	Duty	Electrical Data
Sound pressure level at 3 m (20m ² Sabine) 51 dB(A)	Max. airflow 6997 m ³ /h	861W 230V/50Hz/1Ph Enclosure class, motor: 54IP Capacitor:16 µF Insulation class: F
		220-240V/50Hz
The Data Specifications is attached below		

KDRE 55 SQUARE DUCT FAN

Item no. 1315

Document type: **Product card**
 Document date: **2015-12-02**
 Generated by: **Systemair Online Catalogue**

Description

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

KDRE/KDRD fans have an external rotor motor with a mixed flow type impeller. The KDRE/KDRD 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/KDRD fans have integral thermal contacts with leads for connection to a motor protection device.

The fans can be installed in any position and are easy to connect using the DS flexible connections.

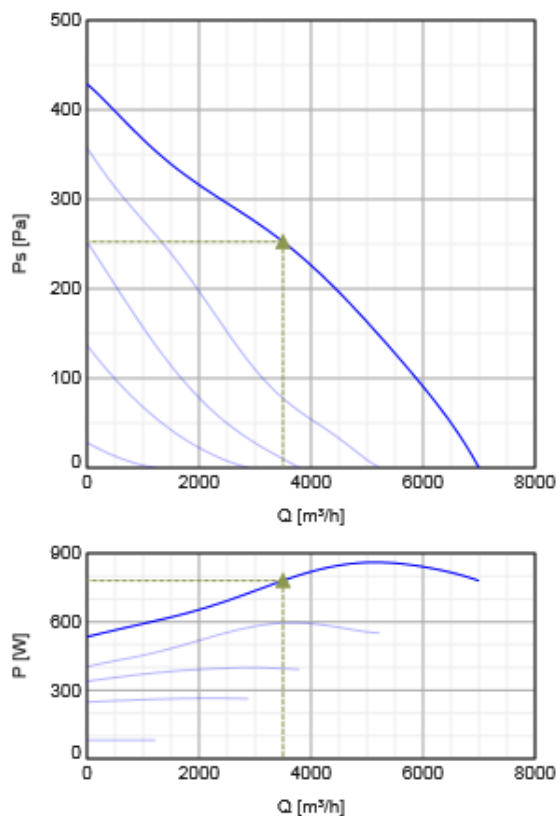


Technical parameters

Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	861	W
Current	4,1	A
Max. airflow	6997	m³/h
Fan impeller speed	1280	r.p.m.
Max. temperature of transported air	45	°C
Max. temperature of transported air when voltage-controlled	45	°C
Sound pressure level at 3 m (20m² Sabine)	51	dB(A)
Weight	40	kg
Insulation class	F	
Enclosure class, motor	54	IP
Capacitor	16	µF

Performance

Diagrams



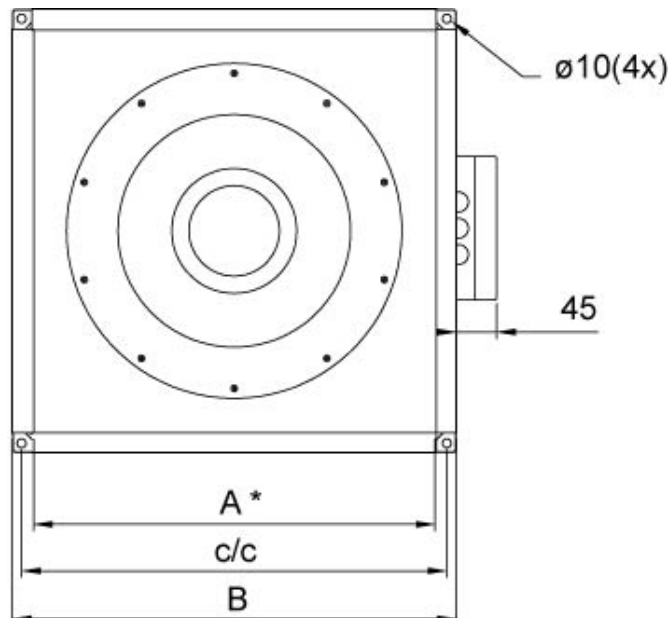
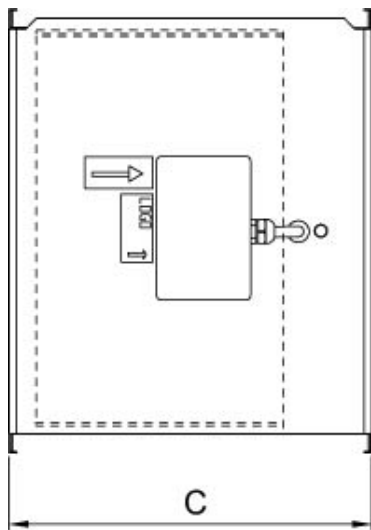
Hydraulic data

	Working point						
	Q [m³/h]	Ps [Pa]	P [W]	n [r.p.m.]	I [A]	SFP [kW/m³/s]	U [V]
Max efficiency	▲ 3499	▲ 253	▲ 781	1312	3.72	0.803	230

Acoustic data

Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	58	62	68	70	70	68	61	55	75
Outlet	dB(A)	58	65	69	73	76	72	64	57	80
Surrounding	dB(A)	43	48	57	46	49	44	40	34	59

Dimensions

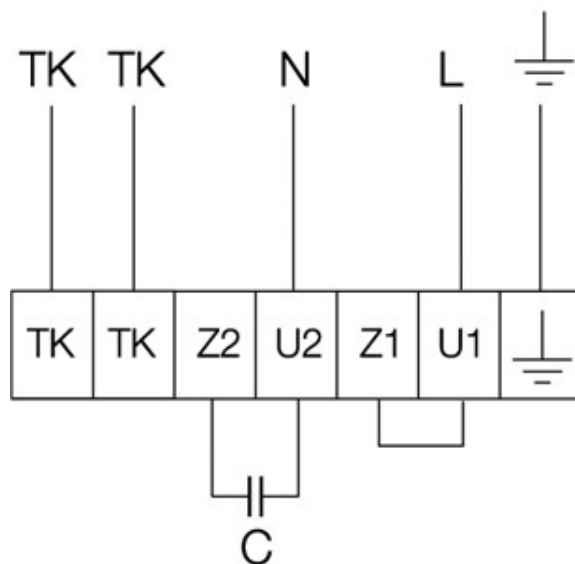


* Inner dimension

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

Wiring

230V 1~



Accessories

Electric accessories

- REV-5POL/05 ON/OFF (33979)
- REU 5 Speed control (5006)
- RTRE 5 Speed control (5010)
- S-ET 10 Motor Protection (5154)

Accessories

- DSK 55 Flexible Connection (5103)
- FFS 55 Filter Cassette Square (5082)
- LDK 55 Silencer (5116)
- RBK 55/33 400V/3 Duct heater (5448)
- VBK 55 Water heating battery (6174)

Specification text

.

Documentation



202341 Fans and Air Handling Units Instructions CE.pdf (435,35kB)

LDK 55 SILENCER

Item no. **5116**

Document type: **Product card**
Document date: **2015-12-02**
Generated by: **Systemair Online Catalogue**

Description

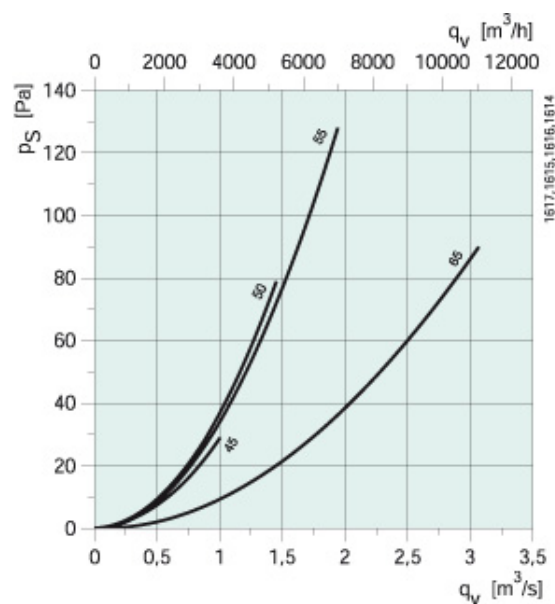
Silencer for square ducts

LDK is easily connected to our square duct fans type KDRE and KDRD.
Noise suppression can be decided with use of the diagram.

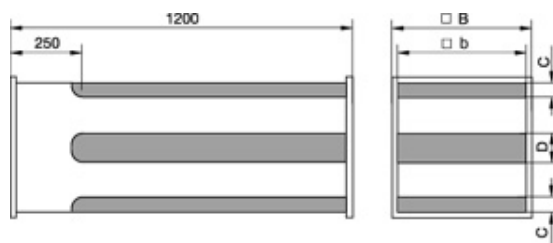


Performance data

	Noise suppression dB frequency band Hz						
	125	250	500	1k	2k	4k	8k
LDK 45	5	8	13	12	8	7	7
LDK 50	7	8	13	12	9	8	7
LDK 55	9	9	13	12	10	9	8
LDK 65	6	7	14	13	9	8	7
LDK 70	5	7	19	24	23	15	10



Dimensions



	$\square b$	$\square B$	C	D
LDK 45	450	490	50	100
LDK 50	502	546	50	150
LDK 55	550	594	50	200

Specification text

