

# Systemair box fans KVD



## KVD



*Casing in galvanized steel with standard roof and feet for outdoor installation*

### Features & benefits

Robust and quiet operation thanks to the galvanized steel fan and motor support mounted on 4 anti-vibration rubber plots.

Outlet connected to the casing through an 18 mm thick rubber joint acting as a flexible seal.

Reinforced bottom panel giving the box fan more stability and mechanical resistance.

Indoor and outdoor installation with the same standard unit.

Easy to install with motor wired to the IP 55 connection box. KVB and KVD have a round inlet and square outlet.

Efficient double inlet galvanized steel forward curved impeller balanced statically and dynamically.

The KVB and KVD have a 3 year warranty. Airflows up to 50 000 m<sup>3</sup>/h are available upon request. Operates with air up to 50°C. Belt driven KVB range is available for three phase 60 Hz operation.

KVD (direct driven) and KVB (belt driven) from sizes 7/7 to 12/12 are a range of single skin supply or extract box fans for inline application. These fans are designed for cost effective installations with low to medium pressure drop whilst keeping very good sound performances.

- KVD – Double inlet Direct Driven range with airflows from 700 to 7500 m<sup>3</sup>/h, IP 54 Class Motors single phase except 12-12-D6 three phase.

### Ancillaries

Outlet rain hood with bird net, ORH

Intake silencer, LDC

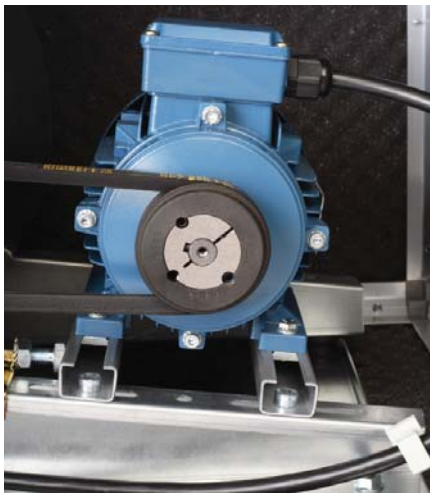
Fast clamp, FK

Back draft damper, RSK

Maintenance switch, REV

Pressure switch

Anti-vibration mount

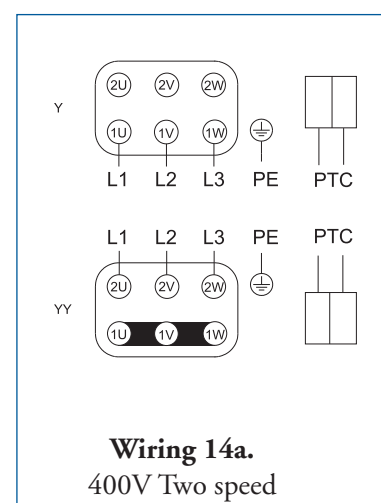
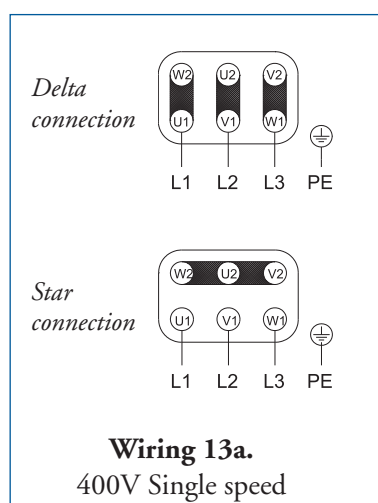
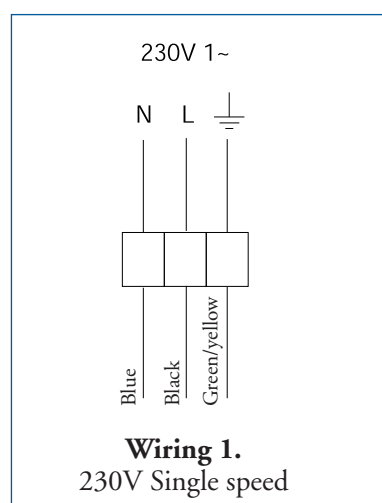


## Technical data

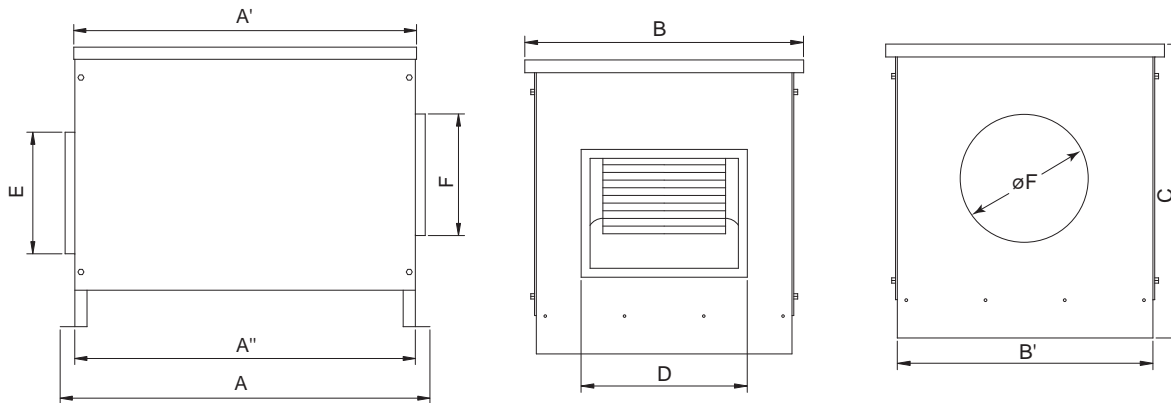
### KVD Direct driven

Size	Watts	Max m <sup>3</sup> /h	A (max m <sup>3</sup> /h)	V/Hz	r.p.m max	IP	Wiring diagram	Lpa 1m	Weight (kg)
7-7-E4 (146 W)	146	1700	2.2	230/50	1410	54	1	58	20
7-7-E6 (73W)	73	1685	1.1	230/50	880	54	1	54	20
9-7-E4 (373W)	370	2750	4	230/50	1410	54	1	61	30
9-7-E6 (237 W)	237	2510	2.5	230/50	950	54	1	59	30
9-9-E4 (550 W)	550	3150	5.9	230/50	1450	54	1	64	32
9-9-E6 (237 W)	237	2590	2.4	230/50	950	54	1	61	31
10-8-E6 (237 W)	237	2550	3	230/50	950	54	1	63	35
10-10-E4 (550W)	550	3250	6	230/50	1425	54	1	66	37
10-10-E6 (237W)	237	2700	3.1	230/50	950	54	1	63	36
10-10-E6 (550W)	525	4825	5.7	230/50	950	54	1	65	42
12-9-E6 (736W)	736	4820	8.5	230/50	950	54	1	62	50
12-12-E6 (525W)	525	4400	6.4	230/50	950	54	1	64	50
12-12-E6 (736W)	736	5750	9.8	230/50	910	54	1	67	52
12-12-D6 (1380W)	1380	7150	5.1	400/50	925	54	13a	71	52

## Electrical wiring



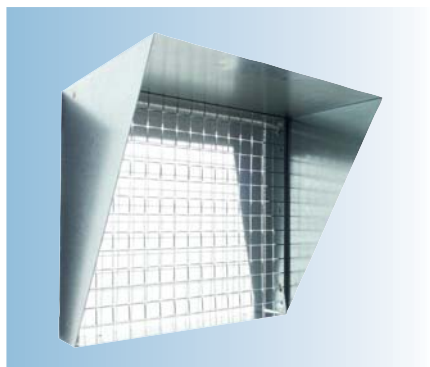
## Dimensions KVD



### KVD Direct driven single skin

	A	A'	A''	B	B'	C	D	E	øF
7-7	498	458	454	457	415	442	273	253	200
9-7	548	508	504	507	465	532	336	304	250
9-9	548	508	504	507	465	532	336	304	250
10-8	648	608	604	607	565	592	371	330	300
10-10	648	608	604	607	565	592	371	330	300
12-9	698	658	654	657	615	642	434	382	350
12-12	698	658	654	657	615	642	434	382	350

## Accessories



*ORH, outlet rain hood with bird net  
IRH, inlet rain hood with bird net*



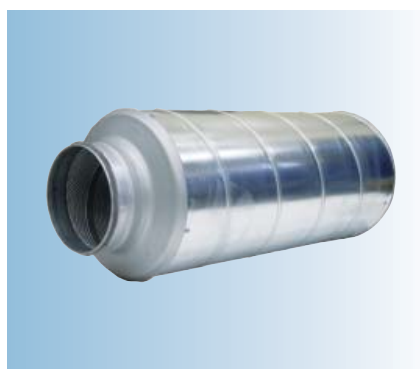
*Damper*



*Pressure switch*



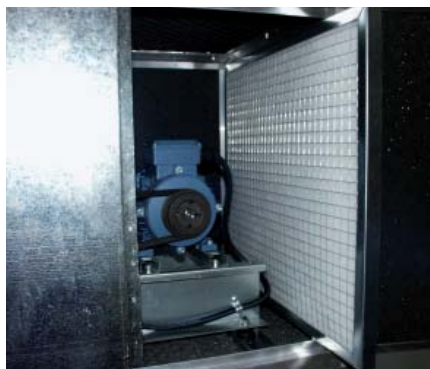
*REV, maintenance switch*



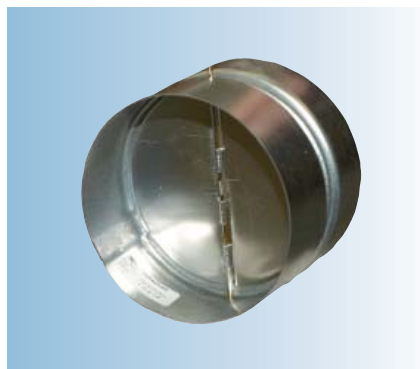
*LDC, silencer*



*FK, fast clamp*

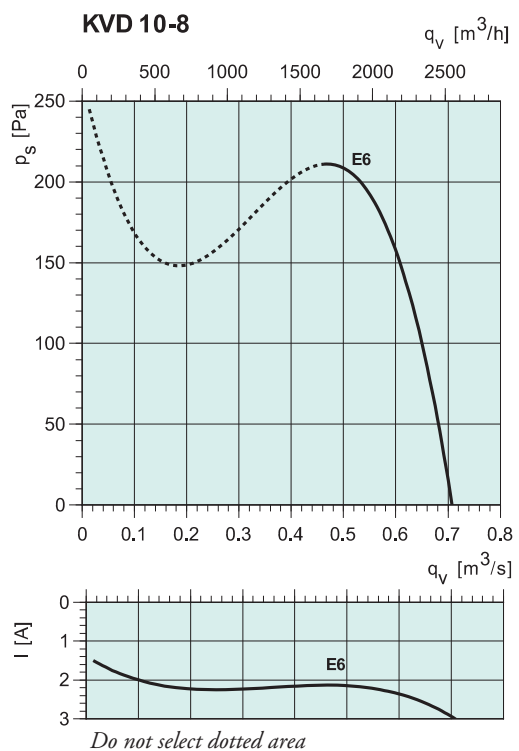
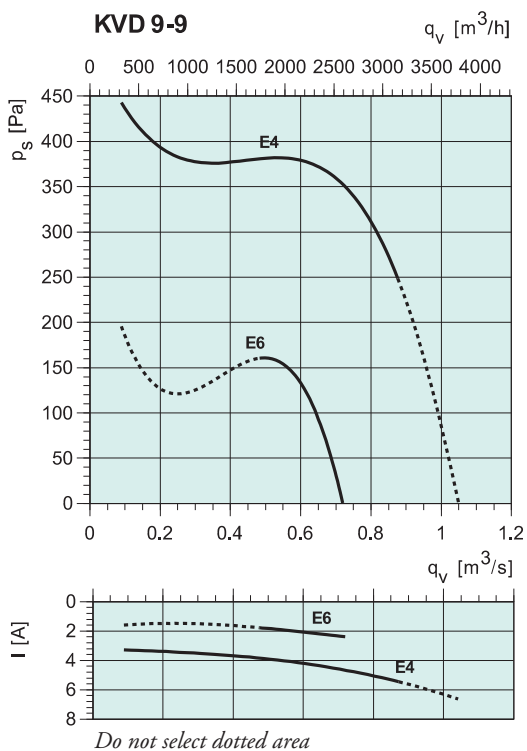
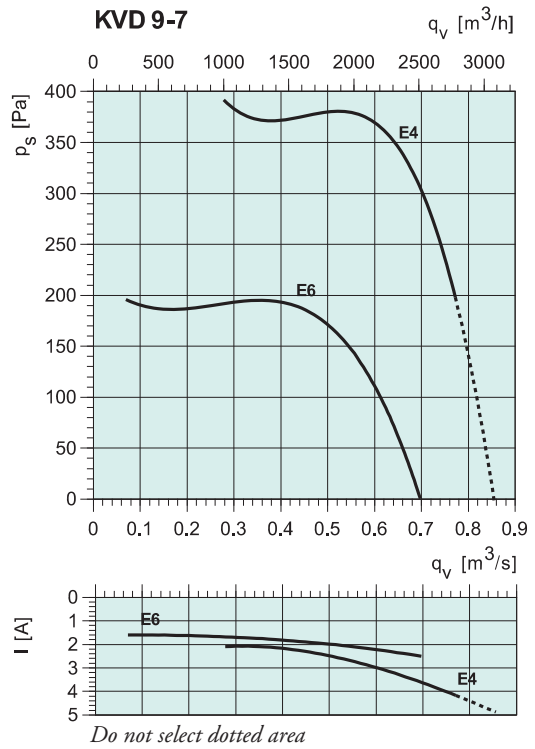
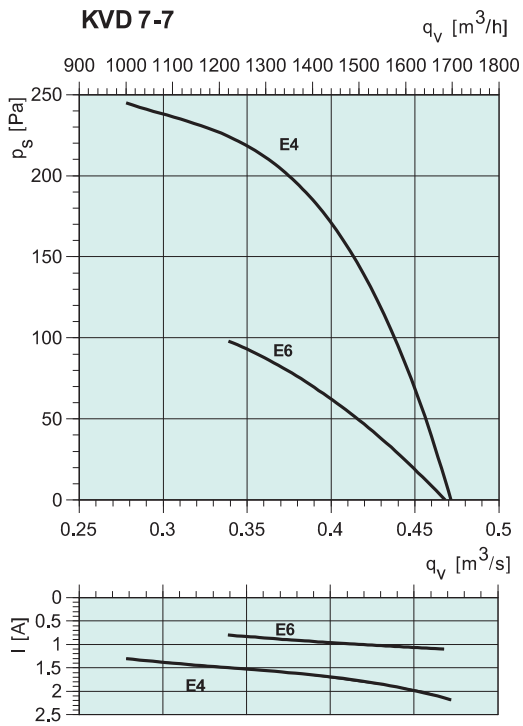


*Filter*

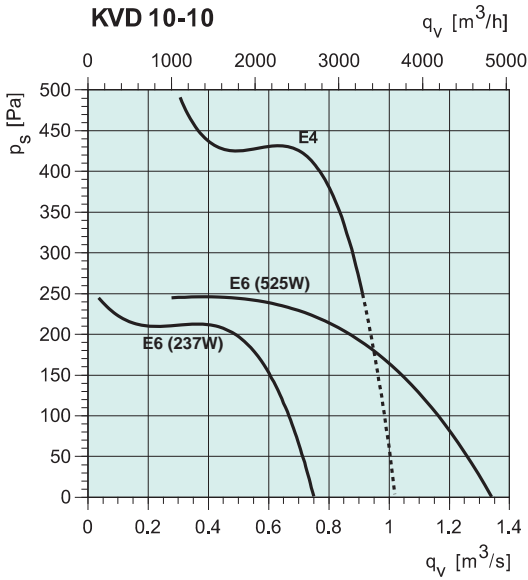


*RSK, back draught damper*

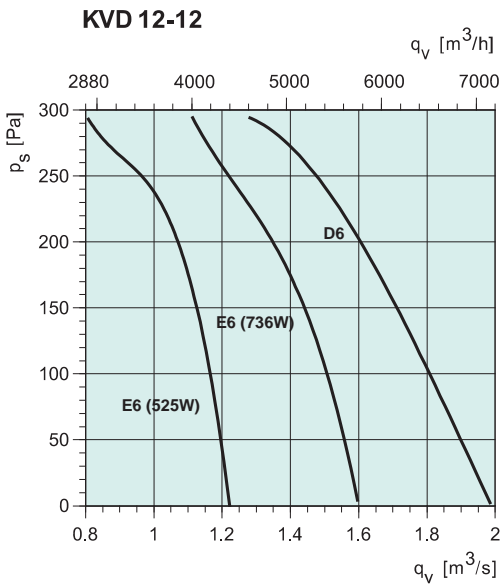
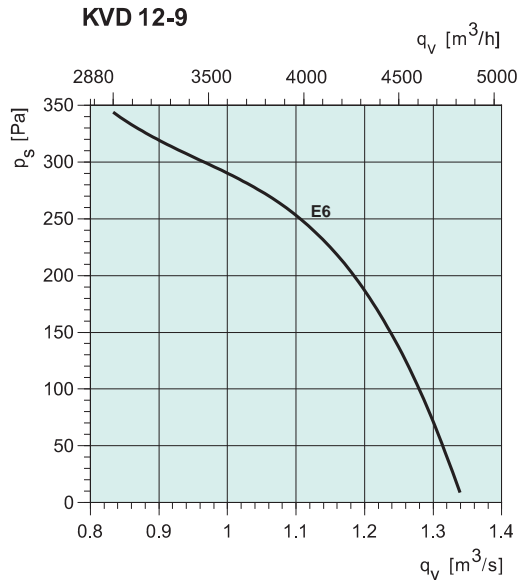
## Selection curves KVD



# Selection curves KVD



Do not select dotted area



## Specification text

### **KVD**

Direct driven box fan for inline operation and suitable for outdoor installations fitted with a forward curve double inlet impeller and IP 54 F Class motors. The casing is made of 1 mm thick galvanized steel. The impeller shall be fitted on 4 anti-vibration rubber plots and its outlet connected with the casing through a 18 mm thick rubber joint. An IP 55 connection box is fitted on the casing for easy installation. Maximum temperature of the transported air: 50°C



