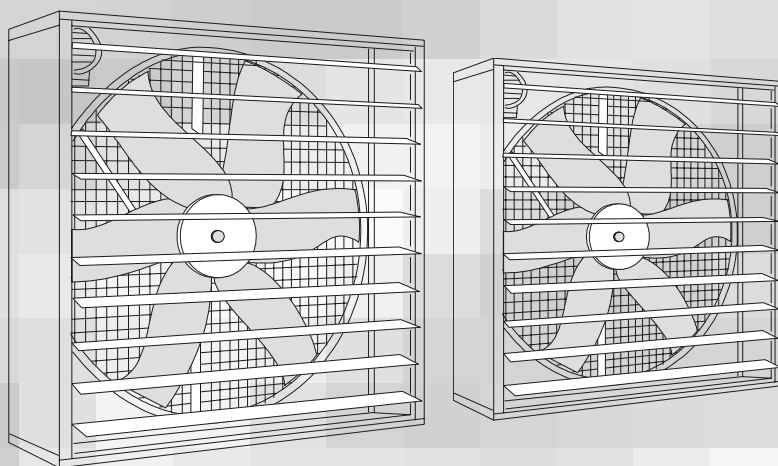


DB 1100/DB 1400

Gable Fan

Technical Info



1 Product Description

1.1 Code Description

DB xxx xxx. xxxx xxxxx xxx xx
 1) 2) 3) 4) 5) 6)

DB xxxx xxxx. xx.
 1)

4) Frequency in hertz (Hz)

50 Hz

60 Hz

5) Motor type

SSp Single speed, non-adjustable

MSp Multi Speed, adjustabel

1) Fan type

1100 fan

1400 fan

1400 fan kd.

kd = knock-down

2) Power supply in voltages (V)

230V

400V

3) Motor size in horsepowers (Hp)

0,5 Hp DB 1100

0,75 Hp DB 1100, non-standard article

1,0 Hp DB 1400

1,5 Hp DB 1400

6) Fan blade material

Zn Zink galvanized

A2 Stainless AISI 304

Alu Aluminium, non-standard article

Plu Pluvimag precoated, non-standard article

As standard the fan housing and the bell mouth are galvanized.

On request the fan housing and bell mouth are available Pluvimag precoated or in stainless steel.

See www.euroemme.it for further information.

Type	Fan blade diameter (mm)	Fan blade diameter (inch)	Dimensions in mm							Weight (kg)
			A*	B*	C	D	E	F	G	
DB 1100	915	36"	1090	1090	450	600	M8	245	305	62
DB 1400	1270	50"	1380	1380	450	830	M8	275	305	91

Table 1 *Wall opening: A and B dimensions + 30 mm

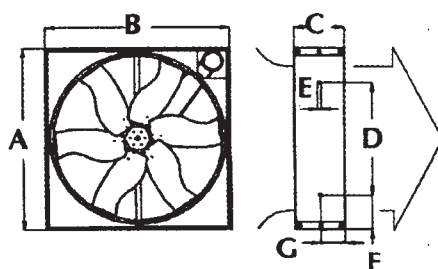
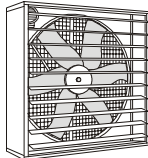
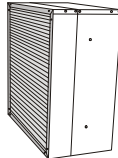
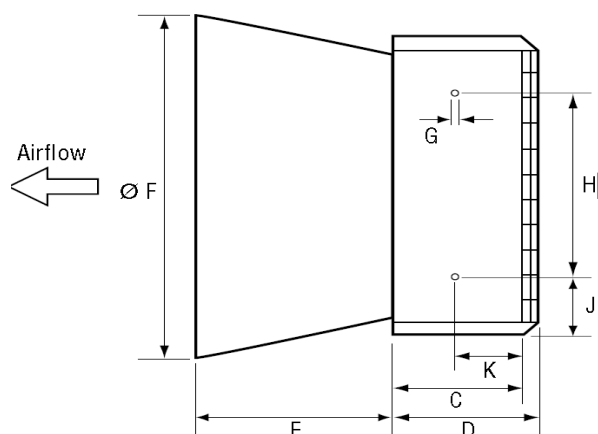


Figure 1

1.2 Fan Capacities

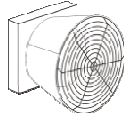
			Wall exhaustion via gable fan		Wall exhaustion via gable fan with light trap	
						
Item no.	Designations	Negative pressure [Pa]	Output m³/h	Specific energy W 1000 m³/h	Output m³/h	Specific energy W 1000 m³/h
435102	DB 1100 fan 230V 0.5hp 50Hz SSp A2	0	16,900	35	15,500	
		-10	16,200	38	14,900	
435103	DB 1100 fan 230V 0.5hp 60Hz SSp A2	-20	15,000	42	13,800	
		-30	13,600	48	12,500	
		-40	12,400	53	11,400	
435136	DB 1100 fan 400V 0.5hp 50Hz SSp A2	0	17,700	32	16,300	
		-10	17,000	35	15,600	
		-20	15,800	39	14,500	
		-30	14,300	44	13,200	
		-40	13,000	49	12,000	
435104	DB 1400 fan 230V 1.0hp 50Hz SSp A2	0	33,900	32	31,200	
		-10	31,400	35	28,900	
435105	DB 1400 fan 230V 1.0hp 60Hz SSp A2	-20	29,700	38	27,300	
		-30	26,500	43	24,400	
		-40	23,800	48	21,900	
		-50	20,500	56	18,900	
435106	DB 1400 fan 400V 1.0hp 50Hz SSp A2	0	35,100	30	32,300	
		-10	33,300	33	30,600	
435114	DB 1400 vent. kd.400V 1.0hp 50Hz SSp A2	-20	31,800	35	29,300	
		-30	28,800	39	26,500	
435107	DB 1400 fan 400V 1.0hp 60Hz SSp A2	-40	25,800	44	23,700	
		-50	22,900	50	21,100	
435108	DB 1400 fan 230V 1.5hp 50Hz SSp A2	0	40,700	42	37,400	
		-10	38,800	44	35,700	
435109	DB 1400 fan 230V 1.5hp 60Hz SSp A2	-20	37,300	47	34,300	
		-30	35,300	50	32,500	
		-40	32,700	54	30,100	
		-50	29,900	60	27,500	
435110	DB 1400 fan 400V 1.5hp 50Hz SSp A2	0	42,300	40	38,900	
		-10	40,300	43	37,100	
435111	DB 1400 fan 400V 1.5hp 60Hz SSp A2	-20	38,600	46	35,600	
		-30	37,200	48	34,100	
		-40	35,200	52	31,800	
		-50	32,900	55	30,100	

1.3 EC Cone



Dimensions (mm)					
A	B	C	D	E	ØF
1380	1380	470	560	720	1585
For mounting					
	G	H	J	K	
	M8	830	275	250	

D depth refers to the fan with supplementary CE shutter safety mesh

			Wall exhaustion via gable fan	
			 EC - cone	
Item no.	Designations	Negativ pressure [Pa]	Output m³/h	Specific energy $\frac{W}{1000 \text{ m}^3/\text{h}}$
435150	EC 1400 vent. 230V 1,5 hk 50 Hz cone in kd	0	44.000	34
		-10	42.600	37
435151	EC 1400 vent. 230V 1,5 hk 60 Hz cone in kd	-20	41.100	40
		-30	39.400	43
		-40	37.300	47
		-50	35.200	51
		-60	33.000	55
435146	EC 1400 vent. 400V 1,5 hk 50 Hz cone in kd	0	46.300	32
		-10	44.700	34
435149	EC 1400 vent. 400V 1,5 hk 60 Hz cone in kd	-20	43.200	37
		-30	41.400	39
		-40	39.200	43
		-50	36.700	47
		-60	34.700	51

Ampere consumption		
Item no.	Description	Amp.
435102	DB 1100 vent. 230V 0,5Hp 50Hz SSp A2	3,0 Amp.
435103	DB 1100 vent. 230V 0,5Hp 60Hz SSp A2	3,3 Amp.
435104	DB 1400 vent. 230V 1,0 Hp 50Hz SSp A2	5,7 Amp.
435105	DB 1400 vent. 230V 1,0 Hp 60Hz SSp A2	5,0 Amp.
435106	DB 1400 vent. 400V 1,0 Hp 50Hz SSp A2	2,0 Amp.
435107	DB 1400 vent. 400V 1,0 Hp 60Hz SSp A2	2,0 Amp.
435108	DB 1400 vent. 230V 1,5 Hp 50Hz SSp A2	7,3 Amp.
435109	DB 1400 vent. 230V 1,5 Hp 60Hz SSp A2	7,3 Amp.
435110	DB 1400 vent. 400V 1,5 Hp 50Hz SSp A2	3,0 Amp.
435111	DB 1400 vent. 400V 1,5 Hp 60Hz SSp A2	3,0 Amp.
435114	DB 1400 vent. kd.400V 1,0 Hp 50Hz SSp A2	2,0 Amp.
435115	DB 1400 vent. kd.400V 1,0 Hp 60Hz SSp A2	2,0 Amp.
435146	EC 1400 vent. 400V 1,5 hk 50 Hz cone in kd	3,0 Amp.
435149	EC 1400 vent. 400V 1,5 hk 60 Hz cone in kd	3,0 Amp.
435150	EC 1400 vent. 230V 1,5 hk 50 Hz cone in kd	3,0 Amp.
435151	EC 1400 vent. 230V 1,5 hk 60 Hz cone in kd	3,0 Amp.

2 Product Survey



435102 DB 1100 vent. 230V 0.5Hp 50Hz SSp A2

435103 DB 1100 vent. 230V 0.5Hp 60Hz SSp A2

Supplied complete w/ 0.5m cable prepared for installation.

The fan is equipped with rustless fan blades. (A2)

The fan is equipped with single speed motor.

0.5 hp $\approx$ 0.37kW

Applied as the first tunnel step or as extra ventilation in a pig house.

Applied when a fan is mounted in world-wide timber houses.



435104 DB 1400 vent. 230V 1.0 Hp 50Hz SSp A2

435105 DB 1400 vent. 230V 1.0 Hp 60Hz SSp A2

435106 DB 1400 vent. 400V 1.0 Hp 50Hz SSp A2

435107 DB 1400 vent. 400V 1.0 Hp 60Hz SSp A2

Supplied complete w/ 0.5m cable prepared for installation.

The fan is equipped with stainless fan blades. (A2)

The fan is equipped with single speed motor.

1.0 hp $\approx$ 0.75kW

Is selected when an energy-saving solution is needed, measured by the number of daily working hours of the fan.

Example: If the fan runs more than 50 % of the daily working time.





435108 DB 1400 vent. 230V 1.5 Hp 50Hz SSp A2

435109 DB 1400 vent. 230V 1.5 Hp 60Hz SSp A2

435110 DB 1400 vent. 400V 1.5 Hp 50Hz SSp A2

435111 DB 1400 vent. 400V 1.5 Hp 60Hz SSp A2

Supplied complete w/ 0.5m. cable prepared for installation.

The fan is equipped with stainless fan blades (A2).

The fan is equipped with single speed motor.

1.5 hp $\approx$ 1.12kW

Selected when maximum performance is the most important level needed and a low pressure of more than -50 Pa is sometimes needed.



435114 DB 1400 vent. kd.400V 1.0 Hp 50Hz SSp A2

Supplied complete w/ 0.5m. cable prepared for installation.

The fan is equipped with stainless fan blades (A2).

The fan is equipped with single speed motor.

1.0 hp $\approx$ 0.75kW

Knock-down fan is supplied unjointed.

A 20 ft container will hold 170 knock-down fans or 29 complete fans.

A 40 ft container will hold 250 knock-down fans or 58 complete fans.



435120 DB 1000 light trap

435121 DB 1100 light trap

435122 DB 1400 light trap

Is supplied unjointed.

Is applied if light dimming in the house is required.

Reduces penetration of sunlight to 2-5 Lux.

The light trap reduces the air performance of the fan by 15-20 %.



435124 DB 1100 insulation cover

435125 DB 1400 insulation cover

Supplied complete with sealing and other mounting parts.

Applied if problems with cold air drop, especially in the winter time. Manually demounting and mounting by means of 2 screws.



435126 DB 1000 safety guard

435127 DB 1100 safety guard

435128 DB 1400 safety guard

Must be mounted in countries where CE approved fans are required. Also in situations when the distance from floor to lower edge of the mounted fan is less than 2.7 m.

Applied if shielding of shutter on the fans is required.

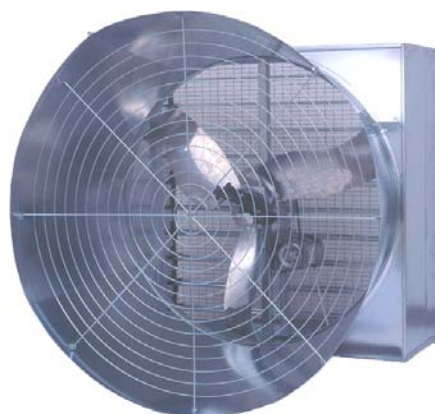


435131 DB 1400 shutter

Applied for emergency opening.

Shutter with mounted motor for opening and closing of the slats.

Is separately mounted in the wall.



435146 EC 1400 vent. 400V 1,5 hk 50 Hz cone in kd

435149 EC 1400 vent. 400V 1,5 hk 60 Hz cone in kd

435150 EC 1400 vent. 230V 1,5 hk 50 Hz cone in kd

435151 EC 1400 vent. 230V 1,5 hk 60 Hz cone in kd

50' fan equipped with cone discharge, is the ideal fan for high airflow capacity at high static pressures and low energy consumption.

The propeller is selfcleaning.

