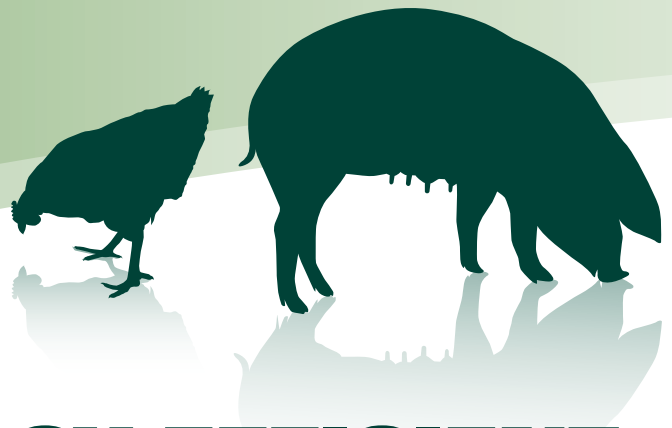


## **AGRICULTURAL FANS**

- **Durable**
- **Energy efficient**
- **Silent**





# DURABLE, ENERGY EFFICIENT AND SILENT

Creating a healthy environment for the animals is one of the most crucial aspects for today's pig and poultry producers. High standards of reliability are demanded from your climate control equipment. The correct fan is one of the most important links in the chain. Because you are well aware of how far reaching the effects of ventilation can be on the climate in the livestock buildings and ultimately your profitability. Bij de ontwikkeling van een ventilator wordt bij Fancom voortdurend de toekomst in het oog gehouden. Fancom always keeps the future in mind when developing a new fan.



## DURABLE

A pig or poultry house is a "harsh" environment for most materials. Aggressive substances present in the air of the livestock buildings can mount a vigorous attack on fans. With disastrous consequences. With a Fancom fan, there is no cause for alarm. Fancom fans have an aluminium motor housing, synthetic or coated steel housing and synthetic fan blades. Corrosion stands no chance. Sophisticated axle sealing guarantees a long working life for the bearings. Single-phase motors can be controlled electronically or by a transformer. Three-phase motors can be controlled by frequency control. Fancom

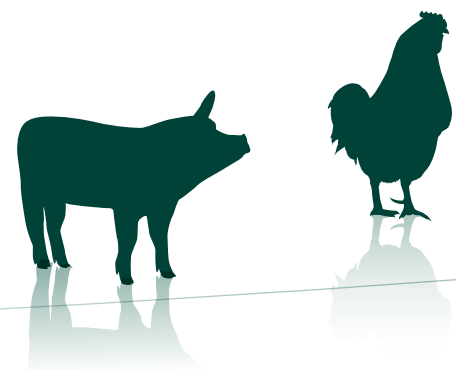
has prepared each fan for built-in direction sensitive RPM feedback. Single-phase fans have added security in the form of a built-in overload switch.

## ENERGY EFFICIENT

Fancom fans combine high air flow capacity with low energy consumption and noise levels. This is not only kind for your wallet, the working life of the fan is also increased. The low energy consumption and superb controllability mean that the motors run at a lower temperature - which also benefits the durability.

## SILENT

uring development, noise production was an important aspect to be considered. Normally, the bigger the fan, the louder it is. Fancom has solved this problem by providing fans with a diameter larger than 56cm with a motor that runs at just 900 RPM. The result is almost silence.





### Complete fan

The complete fan from Fancom is extremely easy to mount either in or on a wall. The fans in the 35 to 56cm diameter series are supplied in a robust synthetic housing. Fans with diameters of 63, 71 and 80 cm are solidly housed in steel. The coated housing prevents corrosion.

### Modular fan

To mount fans underneath a chimney module Fancom's fans are supplied in a robust, shape retaining synthetic module with the Fancom quick mounting system. Fancom measuring and damping units complete the ventilation system. The control valve and air flow transmitter have been built into the same module which can be directly connected to the fan module.

### Fancom I-fan

An other Fancom development is a range of extremely energy efficient fans, the I-fan. The I-fan has an energy efficient motor that produce less heat and therefore waste less energy. The I-fan has a diameter of 80 cm and is available in modular and complete versions.

### Central exhaust systems

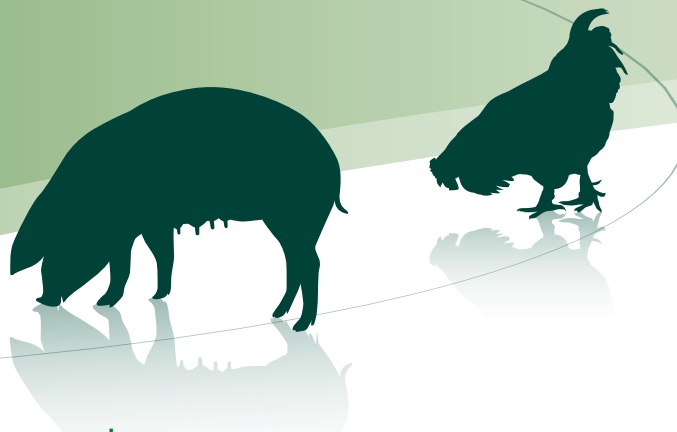
Fancom has specially developed the 3480P and 3480D fans for central air exhaust systems and other installations which operate with high counter pressures. The maximum counter pressures are 270Pa, resp. 320Pa. This fan is notable for its large air displacement capacity. Noise production and energy consumption are, however, kept to a minimum.

### 34125W ventilator

Choose the assurance of Fancom's 34125 W fan to ventilate large houses with tunnel, cross or combi-ventilation. The 34125 W is controllable and still delivers a first-class performance at higher counter pressures. Your animals will be guaranteed sufficient fresh air even under the most extreme climatic conditions.



**TOP CONDITIONS THROUGH COMPLETE CONTROL**



## Fancom answers the ventilation question

- Synthetic blades
- Corrosion free and low maintenance
- Robust housing and motor support brackets mean low noise levels
- Long bearing life thanks to perfect axle sealing and low motor temperatures
- Excellent controllability
- High air yield and low energy consumption
- Well insulated motor
- Vapour proof motor class IP 56 ( high degree of safety) (34125W: IP54)
- Easy mounting and removal from chimney
- Built-in overload protection switch
- Low noise production

TYPE	Revolutions RPM	Voltage V	Motor current* A	Power** W	Axis power W	Noise level*** dB(A)	Control****	Airflow in m <sup>3</sup> /h									
								Pressure in Pa (Pascal)									max. airflow / max.pres
								0	30	50	100	150	200	250	300		
1435	1367	200-240	0.93	216	103	57 (46)	T, E	3,660	3,320	3,000							2.540 / 75
1440	1347	200-240	1.19	273	165	60 (49)	T, E	5,040	4,630	4,250							3.300 / 92
1445	1326	200-240	1.60	372	235	63 (52)	T, E	6,690	6,140	5,760	4,400						4.310 / 102
1450	1317	200-240	2.08	474	314	63 (52)	T, E	8,550	7,800	7,300	5,780						5.710 / 102
1450P	1400	200-239	3.00	660	566	71 (61)	T, E	9,470	8,900	8,530	7,470	5,820					5.820 / 150
1456	1400	200-240	3.00	660	579	72 (61)	T, E	12,000	11,000	10,250	8,300						6.900 / 130
1656	951	200-240	2.60	545	303	64 (53)	T, E	10,010	9,000	8,120							7.160 / 65
1463	1380	200-240	3.2	721	585	69 (58)	T, E	14,600	13,200	12,380	9,070						8.980 / 101
1671	890	200-240	3.8	795	611	65 (54)	T, E	17,000	15,600	14,500							10.900 / 95
1680	885	200-240	4.4	950	737	66 (55)	T, E	20,900	19,000	17,700	13,700						13.400 / 105
3435	1426	Y400 Δ230	0.34	157	116	57 (46)	F	3,710	3,400	3,140							2.520 / 86
3440	1376	Y400 Δ230	0.42	227	175	60 (49)	F	5,120	4,750	4,370							3.430 / 96
3445	1297	Y400 Δ230	0.55	312	220	63 (52)	F	6,540	5,910	5,470							4.020 / 99
3450	1304	Y400 Δ230	0.72	414	305	63 (52)	F	8,240	7,530	7,010	5,440						5.240 / 105
3456	1364	Y400 Δ230	1.17	657	567	72 (61)	F	11,830	10,920	10,260	8,490						7.700 / 120
3656	936	Y400 Δ230	1.23	442	290	64 (53)	F	9,960	8,870	7,980							7.140 / 63
3663	925	Y400 Δ230	1.5	710	511	64 (53)	F	13,600	12,300	11,300							9.000 / 85
3671	930	Y400 Δ230	1.7	885	696	64 (53)	F	17,200	15,700	14,500							11.100 / 95
3680	935	Y400 Δ230	2.3	1005	846	65 (54)	F	21,700	20,000	18,800	15,200						14.800 / 105
3480P	1430	Y400 Δ230	5.1	2520	2212	71 (60)	F	28,400	27,400	26,700	25,000	23,200	20,900	18,100			15.100 / 270
3480D	1440	Y400 Δ230	5.1	2570	1545	71 (60)	F	21,400	20,900	20,500	19,600	18,600	17,500	16,300	14,800		14.100 / 320
34125W	470	Y400	3.3	1740	1100	(65)	F	40.800	36.200	32.900							32.900/50
IF80	900	200-240	3.9	890		66 (55)	10-0V / I/O	20460	18780	17670	14240						13400 / 110

Fans in 50Hz version

Air density 1,2 kg/m<sup>3</sup>, 1 Pa (Pascal) = 1 N/m<sup>2</sup> ~ 0,102 mm wk

Measurements without protection grid

\* Motor current at 50Pa, except for 3480P and 3480D: at 250Pa

\*\* Motor power at 50Pa

\*\*\* Noise production measured at an angle of 45° with the fan axle on 0Pa at a distance of 2m / 6,6ft. (the values between brackets are measured at a distance of 7m / 23ft).

\*\*\*\* Transformer (T), triac (E) or frequency (F) control

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