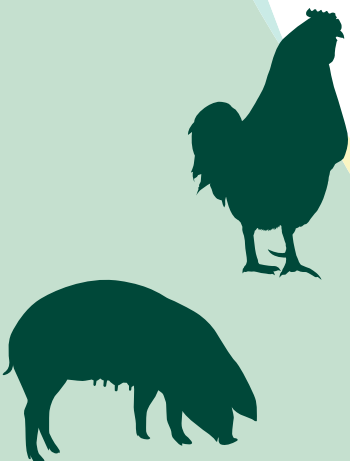


iFANS

ENERGY SAVING FANS

- Energy efficient
- Intelligent
- Reliable



iFANS ENERGY SAVING FANS

Fancom supplies a series of fans that are perfectly able to cope with the aggressive substances present in the air of livestock housing. All our fans are supremely easy to control, energy efficient and produce extremely little noise. The leading light in energy efficiency is the new I-fan, a brushless, direct current fan. The I-fan is available in diameters ranging from 35 to 92 cm, as a wall mounted fan, modular fan and build in fan.



Energy efficient

I-fans use EC-technology. EC-technology combines the advantages of AC and DC motors. Easily connected to the net, the motor and all the electronic components including the net filters are contained in a single metal housing. This eliminates the need for shielded cables and makes using extremely long cables possible. In addition, the motor is supplied with a connection box, and includes 2.5 m of cable enabling quick installation, without opening the motor. The fan is easy to control using a 0-10V-signal and via I/O-Net communication from a Fancom controller. The most important advantage offered by EC technology is its energy efficiency. The efficient motors produce less heat, so therefore lose less energy. Using the I-fan in Fancom

ventilation systems can give you the benefit of energy savings of 75%. Even compared to the currently used energy efficient systems with frequency control, energy savings of up to 20% are feasible. The extra investment can be earned back within the space of just one to two years.

Reliable

I-fans are highly resistant to the aggressive substances found in the air in livestock buildings. They have IP66 classification, which means that according to the official standards they are "dust tight" (highest classification) and "protected against heavy seas or water projected in powerful jets". IP66 classification safeguards a long and malfunction free operating life. Extra safety features ensure reliable air replenishment

in the house. The automatic failsafe keeps the fan running at the lowest value if the signal from the climate computer fails. At restart there are two options - a capacity of 50% or 100%. If overload or overheating threatens to occur the fan corrects its RPM, but always continues to run. This means that your animals have enough fresh air under all circumstances. The fan can also be operated manually.

Intelligent

Internal electronics regulate the RPM of the fan, so an external triac or frequency controller is no longer required. The motor continually checks the RPM and corrects it automatically. The result is an extremely constant air flow without any negative wind influences.

TYPE	Revolutions RPM	Voltage V	Motor current** A	Power** W	Axis power W	Noise level*** dB(A)	Control**** Control****	Airflow in m³/h								
								Pressure in Pa (Pascal)								
								0	30	50	100	150	200	250	300	max. airflow/max.pres
IF35	1400	200-240	1.2	231	109	57 (46)	A+IO	3,540	3,180	2,820						2.630 / 60
IF40	1400	200-240	1.4	286	185	60 (49)	A+IO	5,240	4,810	4,410						3.900 / 72
IF45	1400	200-240	1.7	359	275	63 (52)	A+IO	6,820	6,390	6,110	5,420					4.860 / 95
IF50	1400	200-240	2.3	470	375	63 (52)	A+IO	8,820	8,120	7,790	6,670					6.510 / 105
IF50P	1400	200-240	3.2	683	589	72 (61)	A+IO	10,190	9,740	9,490	8,470					7.550 / 122
IF56	1400	200-240	3.0	653	612	72 (61)	A+IO	12,300	11,530	11,070	9,730					8.380 / 134
IF63	1400	200-240	3.1	672	644	69 (58)	A+IO	14,370	13,030	12,120	9,520					9.140 / 106
IF80	900	200-240	4.0	911	737	66 (55)	A+IO	20,800	19,100	17,940	14,300					13.550 / 108
IF92	900	200-240	4.0	908	765	66 (55)	A+IO	23,510	21,280	19,570	14,040					13.910 / 101