

BF 50, 55 & 62
BEST FANS
IN THE WORLD
IF YOU ASK US!



HIGH AIR OUTPUT

NOT AFFECTED BY STRONG WIND

STEPLESS AND ON/OFF VARIANTS



HIGH PERFORMANCE

BlueFan combines minimal energy consumption with a high airflow ratio. The pressure-stable design allows the fans to operate efficiently, ensuring optimal climate conditions in the livestock house at all times. BlueFans are available in both ON/OFF and stepless variants. By combining different variants of BlueFan, you can achieve optimal and continuous airflow, eliminating the inefficiencies associated with using cycle time (where the relay turns on and off).

High performance

Intelligent design

BOX OR FLANGE SOLUTION

MOTOR OR AIR-DRIVEN SHUTTER

HIGHLY INSULATED



INTELLIGENT DESIGN

The BlueFan fans are equipped with various motorized or air-controlled shutter systems. The tightness of the different shutters has been optimized according to their specific type. This, combined with a high degree of insulation in the fan itself, prevents drafts and minimizes condensation when the fan is not in operation. If a motorized shutter is selected, the system can automatically open in the event of a power failure.



GREAT ENERGY SAVINGS

NEWEST MOTOR TECHNOLOGY

DIRECT DRIVEN WINGS

ENERGY EFFICIENT

BlueFan is designed to be highly energy-efficient, minimizing energy consumption while effectively exhausting air from livestock houses. Its pressure-stable design ensures optimal fan performance, even in windy conditions. By utilizing both ON/OFF and stepless variants in the system, along with the Dynamic MultiStep control principle, BlueFan provides an even more energy-efficient solution. This approach lowers the electricity and ensures a quick return on investment.



CORROSION-FREE

THERMO PLASTIC

DIRECT DRIVEN WINGS

LONG DURABILITY

BlueFan is made of thermoplastics and stainless steel, so it withstands the harsh environment in a livestock house. The fan has directly driven wings, so no adjustment and maintenance of belts are needed. The motor and controller are separated, which makes service and replacement less expensive.

SKOV Bluefan

BF 50



Replacing traditional box fans



The BF 50 BlueFan is a 50-inch box fan specifically designed to serve as a direct replacement for traditional box fans. It fits perfectly into standard 50-inch fan openings, making replacement simple and convenient. Furthermore, existing electrical installations and controllers can typically be reused.

Traditional box fans, usually made of galvanized metal, need to be replaced regularly because they are exposed to the harsh conditions in livestock facilities. In contrast, the BF 50 is made from thermoplastic and stainless steel, which are non-corrosive materials. These materials are much more durable and better suited for the demanding environment of a modern livestock facility.

The device features a direct drive system, meaning the fan blades are powered directly. This eliminates the need for belt adjustments and regular maintenance.

The BF 50 variants with air-controlled shutters provide better insulation compared to traditional box fans. The shutters are designed to be more airtight, and the fan box features improved insulation.

Furthermore, the BF 50 comes in motorized shutter variants that can function as stepless units within a Dynamic MultiStep system when paired with ON/OFF BlueFans.

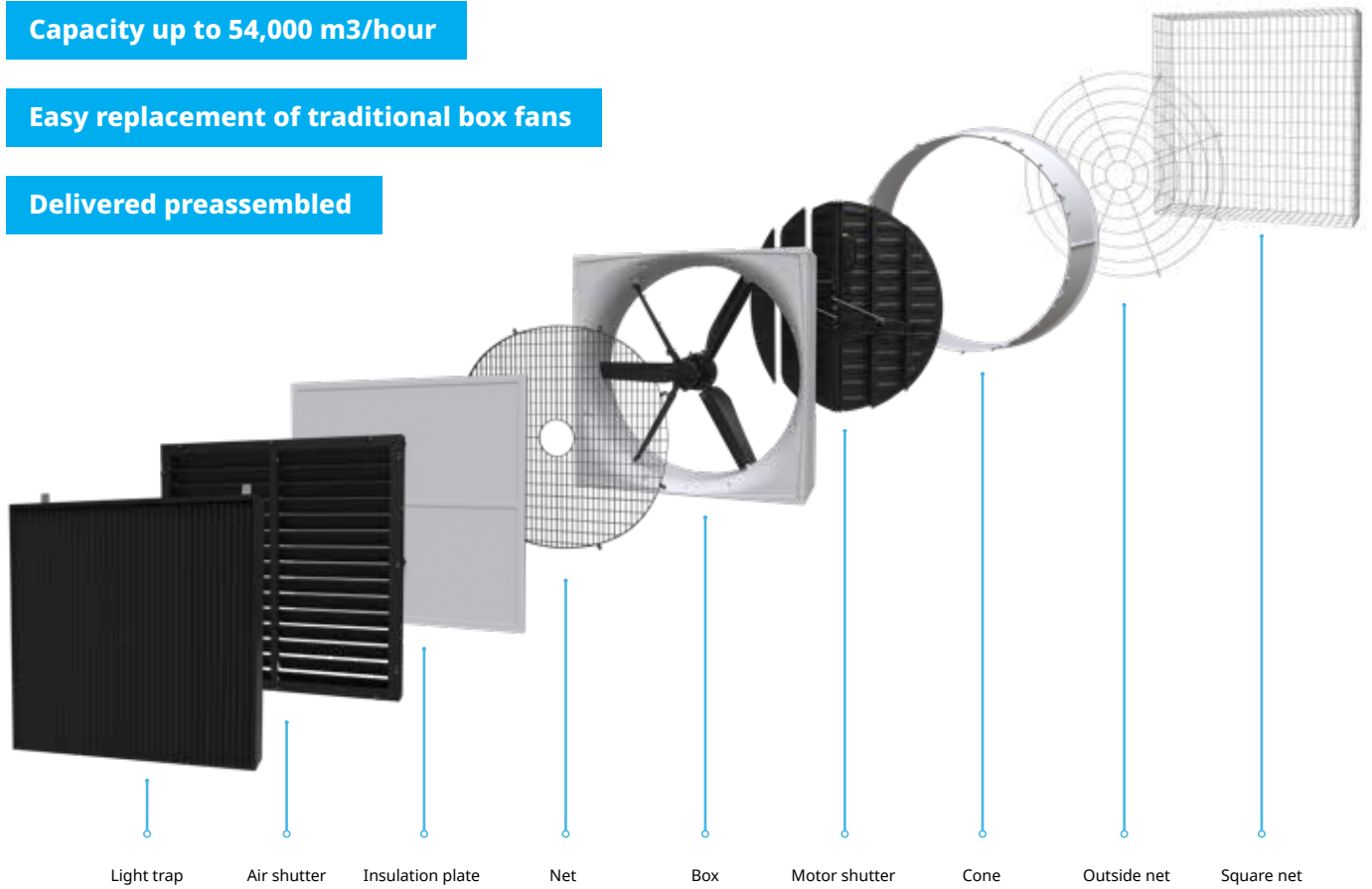
SKOV Bluefan

BF 50

Capacity up to 54,000 m³/hour

Easy replacement of traditional box fans

Delivered preassembled



		Data @ 10 Pa / 0.05" H2O				Data @ 50 Pa/0.20" H2O				Max pressure	BESS Lab test	
All data w. cone		Air flow		Specific energy		Air flow		Specific energy				
Product name		m ³ /h @ 10 Pa	CFM @ 0.05" H2O	W/1000 m ³ /h @ 10 Pa	CFM/W @ 0.05" H2O	m ³ /h @ 40 Pa	CFM @ 0.20" H2O	W/1000 m ³ /h @ 50 Pa	CFM/W @ 0.20" H2O	Pa	Test no.	
LPC ON/OFF	435406	BF 50 LPC ON/OFF LE 230V1 50/60 Hz	47200	27500	30	19.1	37100	21900	41	14.5	80	21145/21145b
	435407	BF 50 LPC ON/OFF LE 230V3 50/60 Hz	46300	26900	29	19.7	36600	21600	39	15.1	80	21146/21146b
	435408	BF 50 LPC ON/OFF LE 400V3 50/60 Hz	46400	26900	29	19.7	36400	21500	39	15.0	80	21152/21150
	435405	BF 50 LPC ON/OFF HF 400V3 50/60 Hz	52100	30200	34	17.1	42800	25200	43	13.6	100	21151/21149
LPC VAR	435381	BF 50 LPC VAR LE 230V1 50/60 Hz	47200	27500	30	19.1	37100	21900	41	14.5	80	21145/21145b
	435384	BF 50 LPC VAR LE 230V3 50/60 Hz	46300	26900	29	19.7	36600	21600	39	15.1	80	21146/21146b
	435382	BF 50 LPC VAR LE 400V3 50/60 Hz	46400	26900	29	19.7	36400	21500	39	15.0	80	21152/21150
	435409	BF 50 LPC VAR HF 400V3 50/60 Hz	52100	30200	34	17.1	42800	25200	43	13.6	100	21151/21149
ON/OFF EL	435385	BF 50 ON/OFF EL 230V1 50 Hz	43400	25200	33	17.7	33100	19500	45	13.0	80	21138
	435387	BF 50 ON/OFF EL 230V1 60 Hz	41100	23900	34	16.9	33400	19700	45	13.2	100	21139
	435388	BF 50 ON/OFF EL 400V3 50 Hz	46400	26900	32	18.4	35300	20800	43	13.7	80	21136
	435391	BF 50 ON/OFF EL 230V3 60 Hz	44000	22900	32	17.9	35300	20800	43	13.7	90	21137
ON/OFF AIR	435400	BF 50 ON/OFF AIR 230V1 50 Hz	42600	24800	32	17.9	33000	19500	44	13.4	80	21140
	435401	BF 50 ON/OFF AIR 230V1 60 Hz	39100	22800	34	17.0	31700	18700	44	13.3	100	21141
	435402	BF 50 ON/OFF AIR 400V3 50 Hz	46200	27900	33	17.6	35700	21000	44	13.4	80	21143
	435410	BF 50 ON/OFF AIR 400V3 60 Hz	44000	25600	33	17.3	35700	21000	43	13.6	100	21142
	435403	BF 50 ON/OFF AIR 230V3 60 Hz	44200	25700	33	17.4	35700	21000	43	13.6	90	21144

SKOV Bluefan

BF 55 - BF 55 B-air



High-performance wall fan suitable for all types of houses

The BF 55 BlueFan is a wall-mounted flange fan recognized for its high performance, making it ideal for various types of houses that require significant air volume and pressure stability.

In warm regions where tunnel ventilation is crucial, the BF 55 enables the construction of extra-long livestock houses, such as those used in cage systems for egg production.

The fan is made from thermoplastics and stainless steel, designed to endure harsh conditions in livestock facilities.

The device features a direct drive system, meaning the fan blades are powered directly. This eliminates the need for belt adjustments and regular maintenance.

The BF 55 BlueFan is available with motor-controlled shutters designed to enhance climate control and improve animal welfare within livestock houses.

Additionally, the BF 55 is available in a version with an air-controlled butterfly shutter (B-AIR), ensuring simpler installation without the need for wiring to a motorized shutter.

The shutters' tight closing helps reduce heating costs and maintain a consistent climate throughout the house, ensuring an even distribution of animals across the facility.

The BF 55 can be used as ON/OFF fans in a Dynamic MultiStep system.

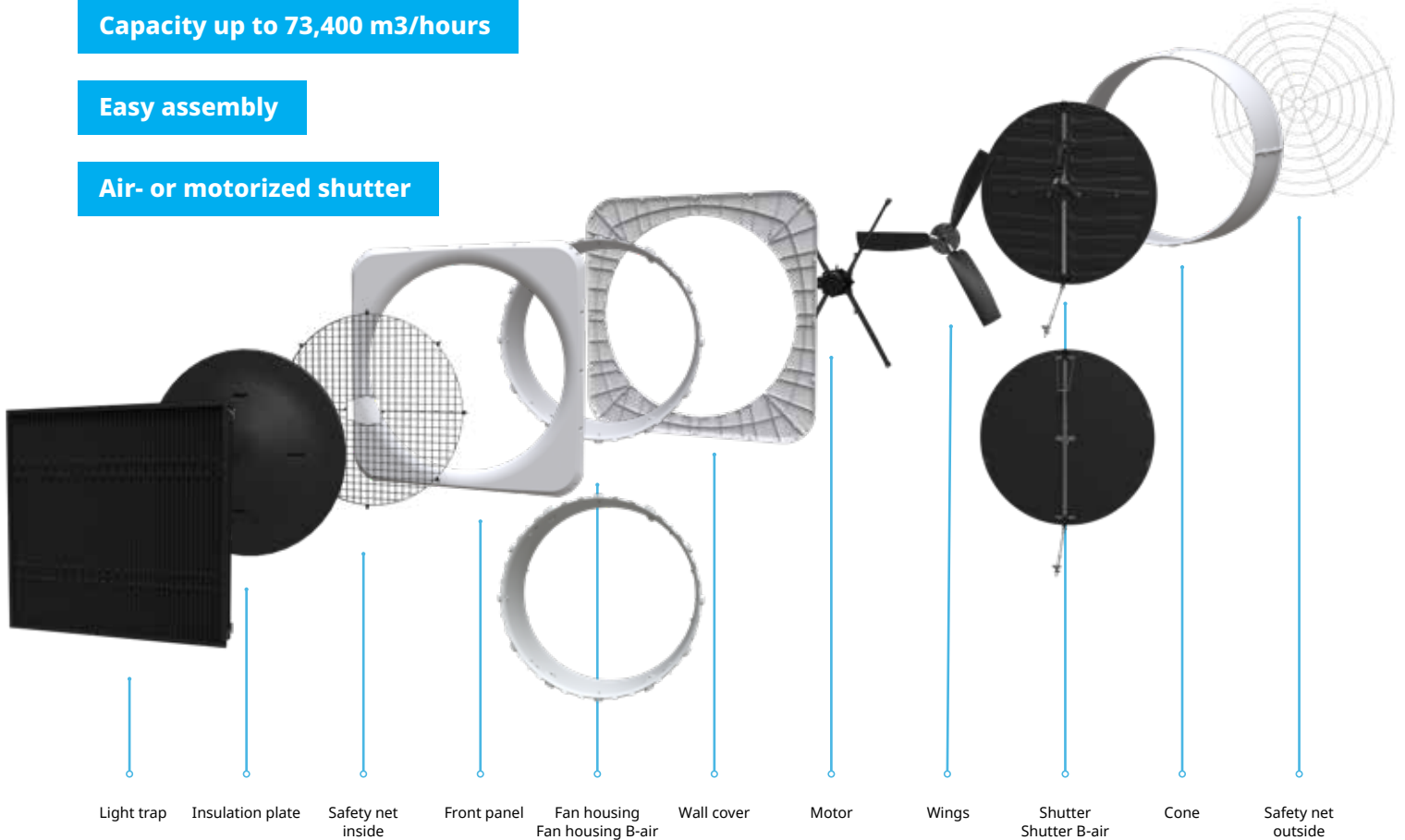
SKOV Bluefan

BF 55 - BF 55 B-air

Capacity up to 73,400 m³/hours

Easy assembly

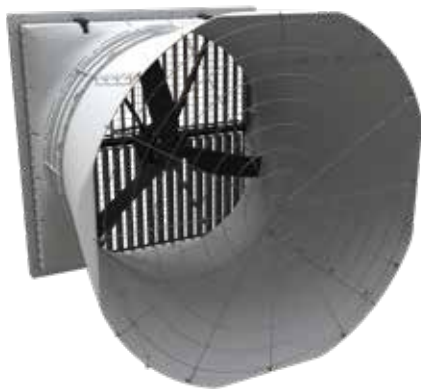
Air- or motorized shutter



		Data @ 10 Pa / 0,05" H2O				Data @ 50 Pa/0,20" H2O				Max pressure	BESS Lab test	
All data w. cone		Air flow		Specific energy		Air flow		Specific energy				
Product name		m ³ /h @ 10 Pa	CFM @ 0,05" H2O	W/1000 m ³ /h @ 10 Pa	CFM/W @ 0,05" H2O	m ³ /h @ 50 Pa	CFM @ 0,20" H2O	W/1000 m ³ /h @ 50 Pa	CFM/W @ 0,20" H2O			
LPC	435461/435473	BF 55 LPC LE 230V1 50/60 Hz	50100	29100	23	24,9	37400	22100	35	16,7	120	22677/22678
	435463/435464	BF 55 LPC HF 400V3 50/60 Hz	62100	36300	30	19,4	52700	31100	40	14,8	120	22679/22680
	435462/435474	BF 55 LPC HF 230V3 50/60 Hz	62100	36300	30	19,2	52600	31000	40	14,6	120	22681/22682
	435466/435478	BF 55 LPC HF+ 400V3 50/60 Hz	71400	41700	37	15,7	62300	36700	47	12,5	120	22685/22686
	435465/435477	BF 55 LPC HF+ 230V3 50/60 Hz	70700	41500	37	15,6	61900	36400	47	12,5	120	22683/22684
ON/OFF	435467/435479	BF 55 ON/OFF LE 400V3 50Hz	51100	29800	28	20,7	41300	24300	39	15,1	80	24148
	435470/435482	BF 55 ON/OFF HF 400V3 50 Hz	65100	37900	35	16,6	53500	31500	48	12,4	100	22674
	435536/435537	BF 55 ON/OFF LE 400V3 60 Hz	49000	28500	27	21,0	39800	23500	38	15,5	80	24149
	435544/435546	BF 55 ON/OFF HF 400V3 60 Hz	59400	34700	32	17,9	51000	30000	45	13,2	100	24151
	435534/435535	BF 55 ON/OFF LE 230V3 60Hz	48700	28300	28	20,8	39400	23200	39	15,0	80	24154
	435543/435545	BF 55 ON/OFF HF 230V3 60Hz	59600	34800	33	17,5	51200	30100	46	12,9	100	24153
AIR	435530/435531	BF 55 ON/OFF B-AIR HF 230V3 60 Hz	61000	35500	33	17,6	51900	30600	46	12,7	100	In progress
	435532/435533	BF 55 ON/OFF B-AIR HF 460V3 60 Hz	61200	35700	33	17,6	52500	30900	46	12,9	100	In progress
	435654/435655	BF 55 ON/OFF B-AIR HF 400V3 50 Hz	64200	37400	36	15,9	52100	30700	50	11,7	100	In progress

SKOV Bluefan

BF 62



Optimizing your investment

The BF 62 is a wall-mounted flange fan designed for low energy consumption and maximum output. Its pressure-stable design ensures that the fans operate efficiently, even in very windy conditions.

By selecting the BF 62 high-capacity BlueFan, you can install fewer units to achieve the necessary air capacity. The cone design optimizes installation, allowing closer fan positioning.

BF 62 features a distinct body frame that minimizes the structural demands on the building. The fan motor is attached to this frame through a suspension system, which promotes smooth fan operation.

The device features a direct drive system, meaning the fan blades are powered directly. This eliminates the need for belt adjustments and regular maintenance.

The BF 62 is equipped with an air-controlled shutter, which means there's no need for wiring to a shutter motor. Instead, the shutter operates based on the fan speed.

The fan blades have rubber tips that create a tight seal within the housing, optimizing air output.

The shutter system is also designed for easy removal, allowing for straightforward access to the fan for cleaning and maintenance.

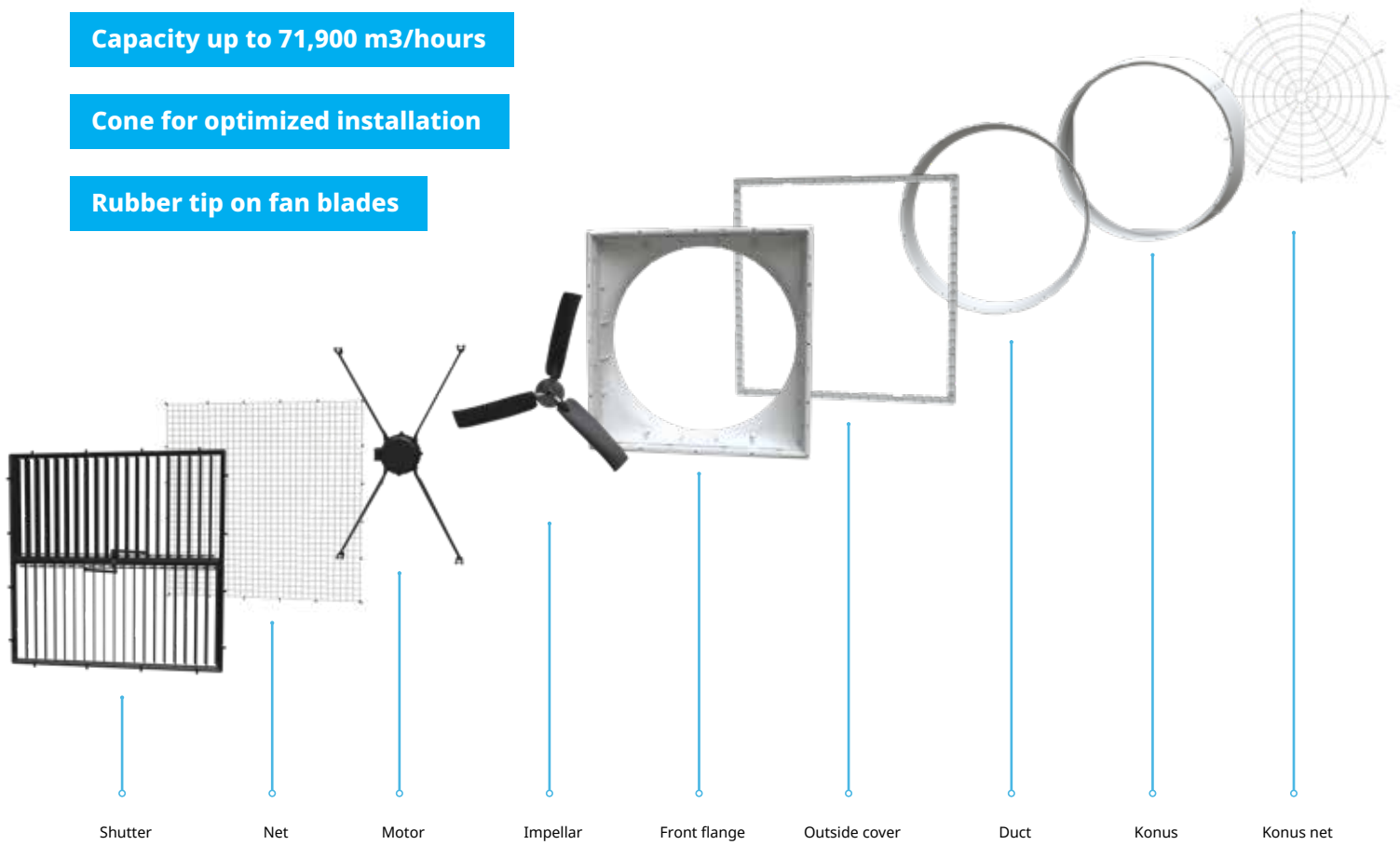
SKOV Bluefan

BF 62

Capacity up to 71,900 m3/hours

Cone for optimized installation

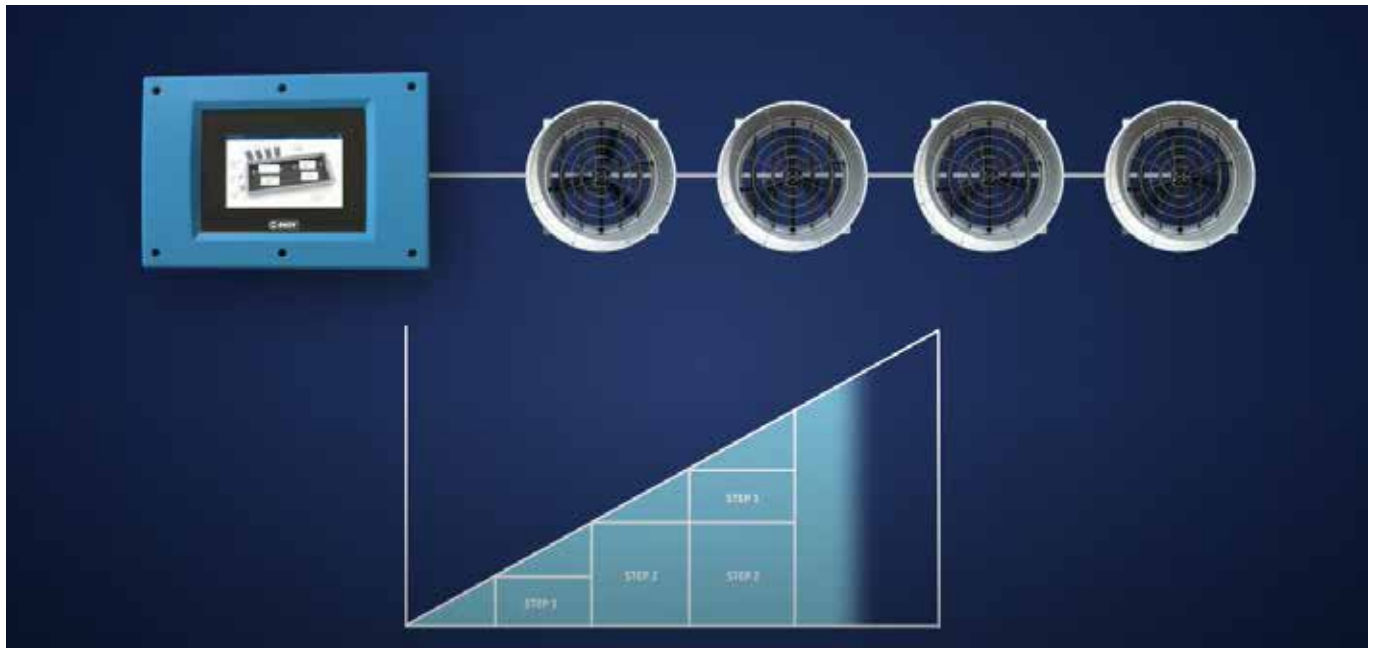
Rubber tip on fan blades



Product name	Data @ 10 Pa / 0.05" H2O				Data @ 50 Pa / 0.2" H2O				Max pressure Pa	AFR	BESS Lab test Test no.	
	Air flow		Specific energy		Air flow		Specific energy					
	m3/h @ 10 Pa	CFM @ 0.05" H2O	W/1000 m3/h @ 10 Pa	CFM/W @ 0.05" H2O	m3/h @ 50 Pa	CFM @ 0.2" H2O	W/1000 m3/h @ 50 Pa	CFM/W @ 0.2" H2O				
435600F	BF 62 ON/OFF AIR HF 400V3 50 Hz	69300	40400	28	20	57200	33700	38	16	70	0.83	In progress
435601F	BF 62 ON/OFF AIR HF 460V3 60 Hz	67600	39400	31	20	57500	33800	40	15	80	0.86	In progress
435602F	BF 62 ON/OFF AIR HF 230V3 60 Hz	67600	39400	31	20	57500	33800	40	15	80	0.86	In progress
435603F	BF 62 ON/OFF AIR LE 400V3 50 Hz	60600	35200	26	23	48900	28800	35	17	70	0.82	In progress
435604F	BF 62 ON/OFF AIR LE 460V3 60 Hz	55500	32300	24	24	45600	26800	35	17	70	0.83	In progress
435605F	BF 62 ON/OFF AIR LE 230V3 60 Hz	55500	32300	24	24	45600	26800	35	17	70	0.83	In progress
435606F	BF 62 LPC AIR HF 400V3 50/60 Hz	67900	39600	26	22	57300	33700	34	17	90	0.85	In progress
435607F	BF 62 LPC AIR HF 230V3 50/60 Hz	67900	39600	26	22	57300	33700	34	17	90	0.85	In progress

SKOV Bluefan

BF 50, BF 55, BF 55 B-air and BF 62



Optimum ventilation with reduced power consumption

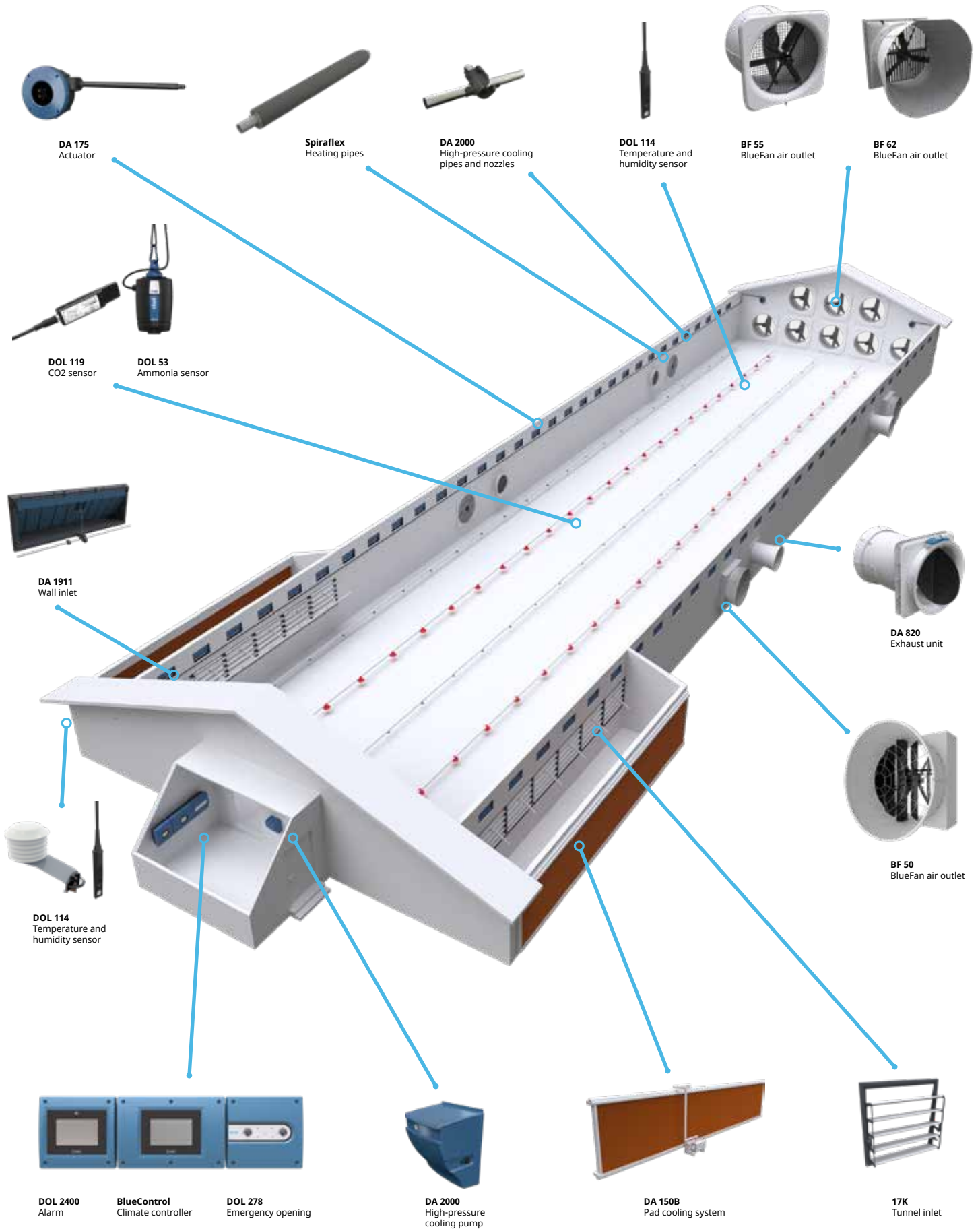
The Bluefan series is designed for Tunnel and Combi-Tunnel houses, providing side and tunnel mode ventilation.

A combination of stepless and traditional ON/OFF variants ensures a fully stepless system that optimally meets the ventilation requirements of animals, always providing the correct air velocity.

The BlueFan system can be controlled using the Dynamic MultiStep® principle. This unique approach allows the fans to operate in stages, activating additional units until they reach 50% of their total output. Once all fans

in a section are running and have achieved this 50% capacity, they can be simultaneously regulated to reach 100% output when more ventilation is needed.

BlueFan has low energy consumption, and when combined with the Dynamic MultiStep control principle, the customer gets the most energy-efficient ventilation system on the market.



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