

# BLUEFAN BF 55

- HIGH PERFORMANCE • ENERGY EFFICIENT
- INTELLIGENT DESIGN • LONG DURABILITY

## HIGH-PERFORMANCE 55" WALL FAN

The BF 55 wall fan is a high-performance 55-inch flange fan ideal for barns requiring large air volume and high-pressure stability.

The fan has a direct drive, meaning that the the impeller is connected to the motor shaft. As a result, no belt adjustment and maintenance are required. The motor-controlled shutters of the fan ensure optimum climate and welfare in the barn.

- Higher output, fewer fans needed
- Maximum performance with little power usage
- Airtight shutter and well-insulated - no draught or false air intake
- Plastic and stainless steel - no rust and corrosion
- Capacity up to 73,000 m<sup>3</sup>/hour
- Pressure stable - trouble-free in windy areas



## OPTIMUM VENTILATION WITH REDUCED POWER CONSUMPTION

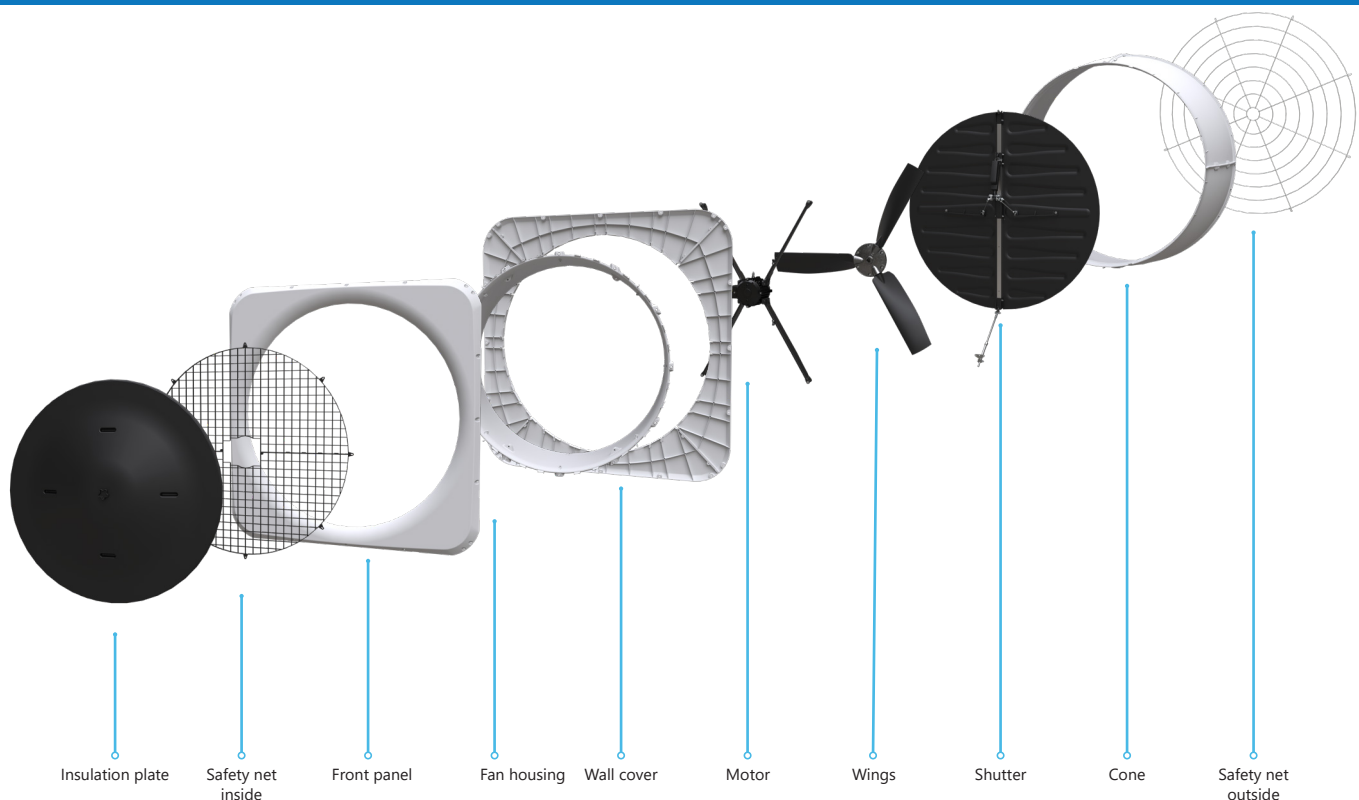
BF 55 Bluefan is used for Tunnel and Combi-tunnel houses for Side and Tunnel mode ventilation.

The fan is available in stepless (0-100%) variants and traditional ON/OFF variants. The stepless variations guarantee a 100% stepless system that consistently provides the appropriate air velocity to meet the animals' ventilation needs in the most effective way possible.

The BlueFan can be regulated according to the Dynamic MultiStep® principle. Dynamic MultiStep is unique in that the fans connect in steps until 50% of their output. The fans in the area are regulated up to 100% in parallel when more ventilation is needed and all of the fans have been turned on and reached 50%.

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

## PARTS



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## BESS LAB PERFORMANCE TESTS

BlueFan has been tested at BESS Lab, which is a research, product-testing and educational laboratory in Illinois, USA. BESS Lab provides performance test results for agricultural ventilation fans and has tested the different variants of BlueFan BF 55. Below, you see some of the impressive test results from BESS Lab. Please visit BESS Lab for more information.

	Product name	Data @ 0 Pa / 0.0" H2O				Data @ 10 Pa / 0.05" H2O						
		Airflow		Specific energy		Airflow		Specific energy		Max pressure		BESS Lab test
		m³/h @ 0 Pa	CFM @0.00" H2O	W/1000 m³/h @ 0 Pa	CFM/W @0.00" H2O	m³/h @ 10 Pa	CFM @0.05" H2O	W/1000 m³/h @ 10 Pa	CFM/W @0.05" H2O	Pa	" H2O	Test no.
LPC	BF 55 LPC-3 LE 230V1 50/60 Hz	52 700	31 000	20	29.2	50 300	29 200	22	25.6	80	0.32	22677/22678
	BF 55 LPC AIR LE 230V1 50/60 Hz	48 900	28 781	24	24	46 300	27 251	27	22	80	0.32	24183
	BF 55 LPC-3 HF 400V3 50/60 Hz	64 400	37 900	28	21.4	62 200	36 300	30	19	100	0.40	22679/22680
	BF 55 LPC-3 HF 230V3 50/60 Hz	64 600	38 000	29	20.6	61 900	36 100	31	19	100	0.40	22681/22682
	BF 55 LPC-3 HF+ 400V3 50/60 Hz	73 800	43 400	35	16.8	71 600	41 900	37	15.6	120	0.48	22685/22686
	BF 55 LPC-3 HF+ 230V3 50/60 Hz	73 400	43 200	36	16.5	71 400	41 700	38	15.3	120	0.48	22683/22684
ON/OFF	BF 55 ON/OFF HF 400V3 50 Hz	67 600	39 800	32	18.3	65 100	37 900	35	17	100	0.40	22674
	BF 55 ON/OFF AIR HF 400V3 60 Hz	59 800	35 200	35	16.7	57 700	33 900	38	16	100	0.40	24181
	BF 55 ON/OFF LE 400V3 50 Hz	53 200	31 300	26	23	51 100	29 800	28	20.7	80	0.32	24148
	BF 55 ON/OFF LE 400V3 60 Hz	51 100	30 100	25	23.4	49 000	28 500	27	21	80	0.32	24149
	BF 55 ON/OFF HF 400V3 60 Hz	61 600	36 300	29	20.2	59 400	34 700	32	17.9	100	0.40	24151
	BF 55 ON/OFF LE 230V3 60 Hz	39 500	30 100	25	23.2	36 200	28 300	28	20.8	80	0.32	24154
	BF 55 ON/OFF HF 230V3 60 Hz	61 700	36 300	30	19.8	59 600	34 800	33	17.5	100	0.40	24153

\*All data with cone



For more information

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