

CHIMNEYS AND FANS



WALL AND CHIMNEY FANS

Wall and chimney fans EMI

Wall and chimney fans are characterized by high efficiency and resistance to aggressive conditions inside the livestock building. They are available in single-phase and three-phase versions

ADVANTAGES:

- engine design allows to achieve very low power consumption indicators,
- low noise level,
- they are characterized by a long service life, and therefore, they are recognised by customers all over Europe
- the fans with diameters from 400 to 710 mm have blades made of stainless steel, whereas the fans with diameters 810 and 908 mm have blades made of polypropylene,
- all parts can be recycled.



wall fan

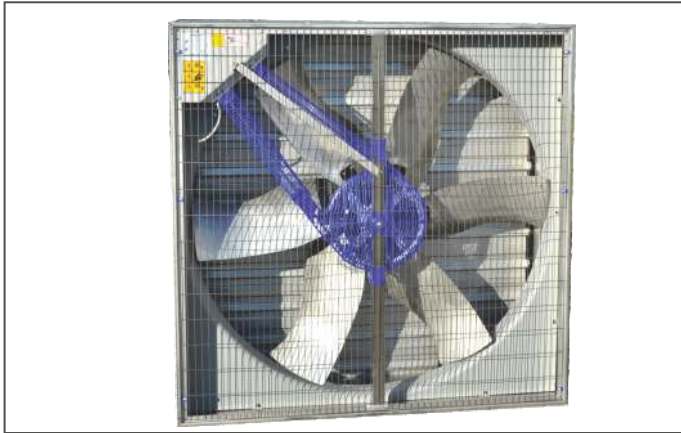
Technical data for three-phase								
	EMI 40	EMI 45	EMI 50	EMI 56	EMI 63	EMI 71	EMI 82	EMI 92
diameter (mm)	400	450	500	560	630	710	810	908
engine power (kW)	0,22	0,3	0,4	0,67	0,47	0,77	0,87	0,86
intensity (A)	0,6	0,7	1,1	1,4	1,4	1,8	2	1,5
performance = 0 Pa (m ³ /h)	4 750	6 250	8 650	11 800	11 700	15 400	24 400	21 300
performance= 20 Pa (m ³ /h)	4 400	5 950	8 200	11 300	10 800	14 500	22 000	19 300
noise level [dB(A)]	52	54	56	65	57	60	66	62

Technical data for single-phase fans								
	EMI 40	EMI 45	EMI 50	EMI 56	EMI 63	EMI 71	EMI 82	EMI 92
diameter (mm)	400	450	500	560	630	710	810	908
engine power (kW)	0,22	0,28	0,385	0,52	0,53	0,62	0,58	0,78
intensity (A)	1,1	1,3	1,9	2,8	2,8	2,7	2,8	3,4
performance = 0 Pa (m ³ /h)	4 700	6 700	8 300	10 500	12 000	13 700	16 400	20 600
performance= 20 Pa (m ³ /h)	4 400	6 250	7 850	9 950	11 100	12 400	15 000	19 100
noise level [dB(A)]	52	54	56	65	57	63	66	62



MASTER TOP FANS

MASTER high-efficiency top fans are designed for all types of livestock buildings. Their task is to increase the air exchange in buildings during the summer. The type of raw materials used for production ensures high efficiency and durability of the fans, at the same time reducing energy consumption. Their advantages involve low noise and low vibration.



master 6-blade top fan



master 3-blade top fan

Master 6-blade top fans

In poultry houses, the used fans have a housing and shutter made of strong galvanized steel with ribbing (other elements are made of stainless steel). In pig farms, the used fans have a housing and shutter made of stainless steel (other elements made of stainless steel and polyethylene).

ADVANTAGES:

- blade made of stainless steel perfectly statically and dynamically balanced,
- equipped with opened and closed dust protection devices,
- welded wire shield allows for easy maintenance and reduces noise,
- the patented centrifugal shutter opening system allows for energy-saving solutions,
- available in single-phase and three-phase versions.

Technical data for Master 6-blade top fans			
dimension (mm)	950 x 950	1090 x 1090	1380 x 1380
engine power (kW)	0,55	0,73	1,1
intensity (A)	2,8/1,6	3,5/2	5,2/3
performance= 0 Pa (m ³ /h)	14 550	22 250	42 000
performance=20 Pa(m ³ /h)	13 410	20 750	38 000
noise level [dB(A)]	76,3	80,6	81,4

Master 3-blade top fans

In 3-blade Master top fans, the outer housing, shutter and mesh are made of galvanized steel, while the centre and blades are of polypropylene. These fans are installed in poultry houses.

ADVANTAGES:

- made of materials resistant to the aggressive environment prevailing in the building,
- łatwość czyszczenia zapewnia zachowanie odpowiedniej higieny,
- version with a cone and shutter inside increases the capacity of the air flow,
- available in three-phase and single-phase version,
- optional:
 - possibility of control from the inverter,
 - CE wire shield.

Technical data for Master 3-blade top fans	
dimension (mm)	1382 x 1382
engine power (kW)	1,6
intensity (A)	5,3/3,1
performance= 0 Pa (m ³ /h)	44 800
performance=20 Pa(m ³ /h)	40 600
noise level [dB(A)]	76



Ventilation chimneys made of PVC



The ventilation chimneys are made of PVC plate resistant to atmospheric factors, including UV rays. The chimney channels are in sections of 1.2 m in length and, depending on the needs, are connected to each other in appropriate sizes. Each chimney is finished with rain protection, i.e. a deflector or roof. A sealing plate is mounted on the roof, and adapted to the type of the roof (flat panel, wave or trapezoidal sheet). From the bottom, the chimney is finished with a guide ring. Inside the chimney, there is a butterfly or throttling flap, made of plastic and metal, preventing the entry of air into the building from the outside, as well as a single-phase fan, controlled by a microclimate control system.

Depending on the building, you can use fans with a diameter of: 400, 450, 500, 560, 630.820 and 920 mm, which are very efficient and resistant to indoor conditions.



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