VN

ANKA KÜMES

# VENTILATION SYSTEMS

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## Ventilation Fan (140×140 cm)

High capacity exhaust fans used in tunnel and passage ventilations. It is used for cooling poultry houses and acquiring desired air speed.

Number of Blades: 6

Propeller Diameter: 1240 mm

Motor: 1.5 HP – 1.10 KW

Width x Length: 1380×1380

Capacity : 42.000 m3/h

* An ideal solution for ventilation of poultry house through its high capacity and high air draught power

* Specially designed, air grooved, high air draught capacity

* Specially designed, energy saving thanks to propeller

*Fan blades are optionally manufactured from stainless steel and galvanize.

*Each motor has been tested one by one for 100% quality control.

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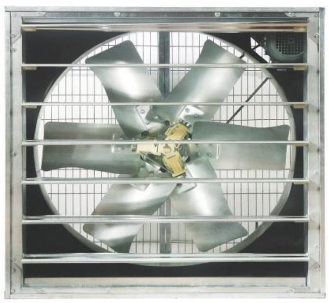
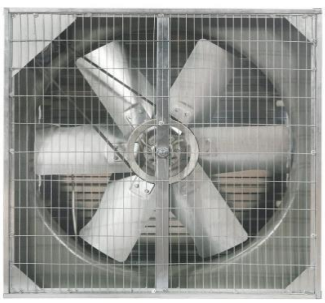
## ntilation Fan (100×100 cm)



An ideal fan for minimum ventilation. It is fitted to the side wall of poultry house but its primary purpose is to take necessary clean air to the poultry house without cooling the poultry house and remove polluted air outside.



Number of Blades: 6

Propeller Diameter: 840 mm

Motor: 0.75 HP – 1.00 KW

Width x Length: 980×980

Capacity: 16.000 m3/h

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# EM-50 SERIES

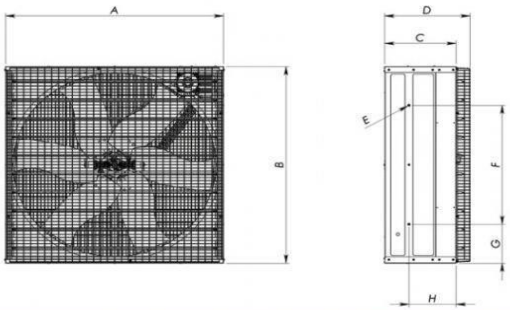
When high airflow capacity is necessary, EM-50 is an ideal exhaust fan. Perfect design of the propeller allows it to clean itself and reach the highest capacity.

Fan cover and venturi are made of rigid galvanized steel plate.

Shutters are made of pressed galvanized steel for the highest resistance.

The middle core and drum with v-belt are made of cast aluminum.

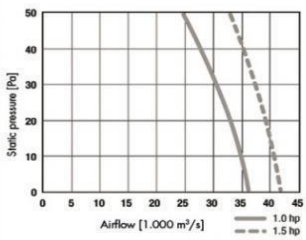
## Dimensions




| A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|
| 1,380 | 1,380 | 450 | 540 | M8 | 830 | 270 | 295 |

*All measurements are in millimiters.*

## Airflow




## Technical specifications

| | | 1.0 Hp | 1.5 Hp |
|---|---|---|---|
| Number of blades | | 6 | 6 |
| Number of shutter blades | | 10 | 10 |
| Propeller diameter | mm [inch] | 1,270 [50] | 1,270 [50] |
| Weight of fully equipped fan[1] | [kg] | 84 | 86 |
| Efficiency grade[2] | | 40.1 | 40.3 |
| Airflow at 0 Pa[3] | m³/h [cfm] | 37,000 [21,800] | 42,400 [25,000] |
| Airflow at 25 Pa[3] | m³/h [cfm] | 32,500 [19,200] | 38,400 [22,600] |
| Airflow at 50 Pa[3] | m³/h [cfm] | 26,200 [15,400] | 33,800 [19,900] |
| Specific performance at 0 Pa[3] | m³/h /W [cfm /W] | 33.9 [20.0] | 27.0 [15.9] |
| Max. operating temperature | °C [°F] | 50 [122] | 50 [122] |
| Max. operating pressure | Pa | 50 | 50 |
| IEC protective class of electric motor | | IP55 | IP55 |
| Electric motor winding insulation grade | | F | F |

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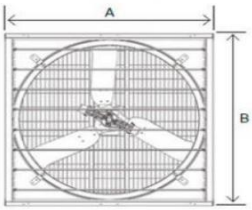
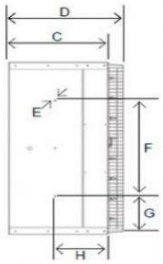
# ED-30 SERIES

## Dimensions




| Model | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| ED36HE | 1,090 | 1,090 | 520 | 600 | M8 | 600 | 245 | 280 |
| ED30HE | 950 | 950 | 520 | 600 | M8 | 600 | 175 | 360 |
| ED24HE | 745 | 745 | 510 | 590 | M8 | 475 | 135 | 330 |

*All measurements are in millimters.*

## Technical specifications

| | | ED36HE | ED30HE | ED24HE |
|---|---|---|---|---|
| | | 0.75hp | 0.5hp | 0.5hp |
| Number of blades | | 3 | 3 | 3 |
| Number of shutter blades | | 8 | 7 | 5 |
| Propeller diameter | mm [inch] | 915 [36] | 770 [30] | 610 [24] |
| Weight of fully equipped fan* | [kg] | 70 | 60 | 49 |
| Efficiency grade** | | 41.4 | 40.3 | 41.0 |
| Airflow at 0 Pa | $m^3/h$ [cfm] | 19,100 [11,300] | 14,000 [8,460] | 9,100 [5,360] |
| Airflow at 12 Pa | $m^3/h$ [cfm] | 18,200 [10,700] | 13,700 [8,080] | 8,800 [5,180] |
| Airflow at 25 Pa | $m^3/h$ [cfm] | 17,200 [10,100] | 12,900 [7,620] | 8,400 [4,960] |
| Specific performance at 0 Pa | $m^3/h$ /W [cfm /W] | 30.3 [17.8] | 22.1 [13.0] | 17.3 [10.2] |
| Max. operating temperature | °C [°F] | 50 [122] | 50 [122] | 50 [122] |
| Nominal propeller speed | [rpm] | 910 | 870 | 1,360 |
| IEC protective class of electric motor | | IP55 | IP55 | IP55 |
| Electric motor winding insulation grade | | F | F | F |



* Excludes safety kit for installation below 2.7m above the floor.
** According to the requirements of the European ErP Ecodesign Directive 2009/125/EC.

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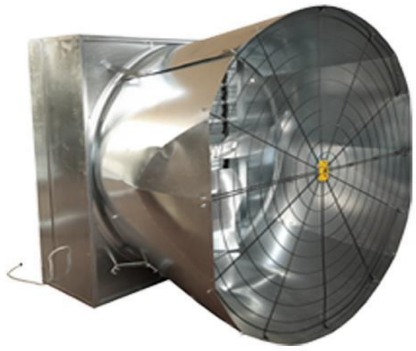
# EC-50 SERIES



EC 50 cone fan, 50 ich fan with cone discharge is an ideal fan with high airflow capacity and low energy consumption for high static pressure.

Shutters are made of pressed galvanized steel for the highest power.

Each motor has been tested one by one for 100% quality control.

The middle core and drum with v-belt are made of cast aluminum.

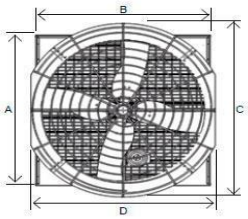
Optionally, belt tightener so as to increase the life of v-belt and reduce maintenance frequency is available.

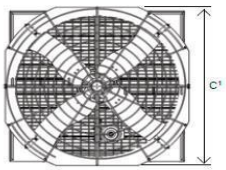
3-layered propeller is statically and dynamically adjusted.

Shutter beds do not require maintenance

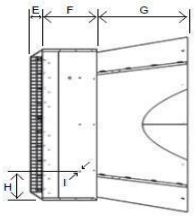
Patented centrifuge system allows the shutter to open fully and fixedly.

## Dimensions




*(Available on request)*




| A | B | C | C¹ | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| 1,425 | 1,425 | 1,640 | 1,500 | 1,500 | 95 | 445 | 745 | 275 | M8 |

*All measurements are in millimiters.*

## Technical specifications

| | | 1.0Hp | 2.0Hp |
|---|---|---|---|
| Number of blades | | 4 | |
| Propeller diameter | mm [inch] | 1,335 [52] | |
| Weight of fully equipped fan* | [kg] | 108 | 112 |
| Airflow at 0 Pa | $m^3/h$ [cfm] | 42,200 [24,900] | 49,500 [29,100] |
| Airflow at 25 Pa | $m^3/h$ [cfm] | 35,100 [20,700] | 44,700 [26,300] |
| Airflow at 50 Pa | $m^3/h$ [cfm] | 26,200 [15,400] | 36,400 [21,400] |
| Specific performance at 0 Pa | $m^3/h$ /W [cfm /W] | 43.7 [25.7] | 32.7 [19.2] |
| Max. operating temperature | °C [°F] | 50 [122] | |
| Nominal propeller speed | [rpm] | 386 | 462 |
| IEC protective class of electric motor | | IP55 | |
| Electric motor winding insulation grade | | F | |

** Excludes safety kit for installation below 2.7m above the floor.*

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# TU600 Exhaust fan

| **Std model** | | |
|---|---|---|
| Pervane çapı | | 600 mm |
| Motor Boyutu | | 250 W |
| 0 Pa hava akışı | | 11,720 m3/h |
| 20 Pa hava akışı | | 10,740 m3/h |
| 40 Pa hava akışı | | 9,560 m3/h |
| 0 Pa spesifik performans | | 27.5 m3/wh |

| **Munters Drive model** | |
|---|---|
| Pervane çapı | 600 mm |
| Motor Boyutu | 660 W |
| 0 Pa hava akışı | 12,729 m3/h |
| 20 Pa hava akışı | 12,090 m3/h |
| 40 Pa hava akışı | 11,414 m3/h |
| 0 Pa spesifik performans | 28.4 m3/wh |

## Product descriptions

Euroemme® TU flue suction fan series are designed for ventilation of enclosed structures in which livestock are kept and safe operation under difficult conditions.

Speed level of air suction must be low during cold and warm weathers in the structures where livestock are kept. Variability of ventilation speed and protecting animals against unnecessary air stream should be taken into account.

Euroemme TU fan series are designed so as to meet such requirements.

Fans assembled to the roof ensure that bad air in the area where animals are kept is removed from the structure and prevents animals from being exposed to close air stream.

Another advantage of fan installation on the roof is that it is equipped with spare ventilation system in case of power failure. In such cases, butterfly damper together with air inlets of TU fan opens with accumulator power and thus, creates a natural ventilation way which prevents animals from being suffocated.

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# Circulation Fan

## Circulation Fan (50 CM 0,25 KW 380V 50 HZ)

| | |
|---|---|
| Propeller diameter | 450 mm |
| Motor | 0.33 hp |
| 0 Pa air flow | 6,468 m3/h |
| 0 Pa specific performance | 17.7 m3/wh |

Circulation fan is used for air circulation in the middle of the farm.


Casing of the fan is made of DKP sheet with electrostatic powdered paint.

| | |
|---|---|
| Voltage | 230/380 |
| Frequency | 50 |
| Power | 245 W |
| Current | 1,2 A |
| Speed | 1350 d/d |
| Flow Rate | 5500 m3 /h |

Ventilation in enclosed system poultry houses is gaining importance day by day. With ventilation in poultry houses;

Excessive heat occurred in the environment is removed outside.

Excessive humidity more than needed is removed.

Carbon dioxide and ammonia are cleared.

Oxygen required by the livestock is provided.

High capacity production is made with more animals per meter square.

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