

FANERGY® high performance fans



- powerful
- reliable
- user-friendly

 **rosenbauer**

HIGH PRESSURE V

how does it work?



Positive pressure ventilation – the safe and quick method for ventilation in the case of heat, gas, dust and smoke. The high-performance fans are positioned outside the building and a stream of fresh air is applied. The conical air flow is compressed at the entrance to the building, thus excluding the possibility of air back-flow.

The light initial positive pressure sets the air masses in the building in motion in the direction of an existing opening (such as a window or smoke flap etc.) or one that is subsequently created. The resulting air flow then transports smoke, heat and poisonous gases out into the ambient air without major turbulence.

Advantages of positive pressure ventilation:

- Smoke, heat and hazardous gases are removed by the air flow
- Crew quickly has improved visibility
- Crew can work with fresh air at its back
- There is a remarkable drop in ambient temperatures
- The air flow deals with the water vapour from extinguishing
- Smoke is removed evenly from floor, ceiling and corner areas
- The air flow can be controlled by opening and closing doors and windows (which is most important during evacuation procedures)

Fanergy® high-performance fans – developed for extreme fire-fighting operations!



Top quality fan blades provide outstanding efficiency and especially high fan capacity



Small dimensions: for optimum vehicle stowage and, due to the narrow depth, ideal for retrofitting



Simple handling and transport due to wide, folding handle

VENTILATION

Fanergy® V24 and V16

- Precision impeller fan with three-dimensionally curved rotor blades and aluminium root
- Smoothly adjustable angle of attack setting
- Stable housing with two wheels and 4 bottom vibration absorbers
- Folding transport frame
- Supplied with two wooden chocks (to hold open doors)



Extremely reliable engine (Briggs&Stratton)

Smoothly adjustable angle of attack setting using a gas pressure cylinder

Foam generator (Fanergy V24)

- For generating high expansion foam
- Foam proportioning with inline inductor or foam proportioning set

Technical Data:

| | |
|-----------------------------|------------------------------|
| Water supply | 200 l |
| Inlet pressure | 6 bar |
| Connection | Storz D with valve |
| Foam expansion ratio | 300:1 – 800:1 |
| Foam generation performance | 50 – 140 m ³ /min |
| Weight | 12 kg |
| Dimensions | 630 x 160 mm |



Fanergy® E16R

- Precision impeller fan with three-dimensionally curved rotor blades and aluminium root
- Stable housing with two wheels and 4 bottom vibration absorbers
- Extendable transport frame
- Continuously adjustable (with integrated starting current limiter)
- Operation with power generators delivering more than 5 kVA or with power supplies having more than 13 Ampere is possible
- Illuminated digital power display



digital power display

Technical Data

| | | | |
|---------------------------------|--|--|--|
| Engine | Fanergy® V24 1 cylinder /4 stroke OHV Briggs 4,8 KW (6,5 PS) | Fanergy® V16 1 cylinder /4 stroke OHV Briggs 4,8 KW (6,5 PS) | Fanergy® E16R 230 V / 2,2 kW continuously adjustable |
| Discharge diameter | 24" / 630 mm | 16" / 400 mm | 16" / 400 mm |
| Air output | 36.100 m ³ /h | 23.900 m ³ /h | 14.900 m ³ /h |
| Effective air output | > 65.000 m ³ /h | > 50.000 m ³ /h | > 30.000 m ³ /h |
| Dimensions (W x H x D) in mm | 700 x 780 x 460 | 520 x 640 x 500 | 560 x 630 x 460 |
| Weight (oil filled, empty tank) | approx. 54 kg | approx. 37 kg | approx. 34 kg |
| Wheels | Pneumatic tyres | Plastic wheels | Plastic wheels |
| Fuel / tank volume | 2,8 l unleaded, regular petrol/gasoline | 2,8 l unleaded, regular petrol/gasoline | |
| Running time | approx. 110 min at full power | approx. 110 min at full power | |

Order Data

| | | | |
|---------------------|--|------------------------------------|-----------------------|
| Order No. | V24 511900 | V16 511920 | E16R 511945 |
| Foam expansion unit | Foam generator Inline inductor for foam expansion unit PAE ducting for foam generator, per m | 511905 511915 511910 | |

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