



**FUNKEN**  
Kunststoffanlagen

# ROOF FAN

Type FDv / FDvF 160 / 180



## TENDER TEXT FDv

**Roof Fan with Reducer** for conveyance of aggressive, optionally explosive air, vapours and mist with a content of dust less than 5 mg/m<sup>3</sup> and a temperature of -5 to +40°C. Maximal allowable environmental temperature of +40°C.

Housing made from PPs injection moulded with flow-optimised guide vane, with an integrated maintenance-free seal-system, consisting of a condensate runoff as a circular drip edge and a labyrinth seal, for ex-version additionally with externally refillable grease-barrier and lip-seal.

Pressure-side with welded protection grid. Condensate runoff support at the lowest point of the housing.

Impeller made from PPs injection moulded with rear blade rows for a guaranteed negative pressure on the axle lead-through in service.

Direct drive by an IEC-34 three-phase motor, technically gas-proof to the medium, with heat resistant connection parts on the housing and impeller to avoid deformation due to a technical breakdown.

Guided engine cooling air through separate inlet and outlet ducts, in order to avoid uncontrolled circulation of the cooling air.

### Accessories:

- Lockable isolating switch (IP 66/67) with two auxiliary contacts (1 NC / 1NO)  
The repair switch is mounted and wired.  
Factory connection: 3 x 400 V

## TENDER TEXT FDvF

**Roof Fan Flat** for conveyance of aggressive, optionally explosive air, vapours and mist with a content of dust less than 5 mg/m<sup>3</sup> and a temperature of -5 to +40°C. Maximal allowable environmental temperature of +40°C.

Housing made from PPs injection moulded with flow-optimised guide vane, with an integrated maintenance-free seal-system, consisting of a condensate runoff as a circular drip edge and a labyrinth seal, for ex-version additionally with externally refillable grease-barrier and lip-seal.

Pressure-side with special formed and elastic blow out/ bird protection grid (IP20).

Condensate runoff support at the lowest point of the housing.

Impeller made from PPs injection moulded with rear blade rows for a guaranteed negative pressure on the axle lead-through in service.

Direct drive by an IEC-34 three-phase motor, technically gas-proof to the medium, with heat resistant connection parts on the housing and impeller to

avoid deformation due to a technical breakdown. Guided engine cooling air through separate inlet and outlet ducts, in order to avoid uncontrolled circulation of the cooling air.

### Accessories:

- Lockable isolating switch (IP 66/67) with two auxiliary contacts (1 NC / 1NO)  
The repair switch is mounted and wired.  
Factory connection: 3 x 400 V

The data given are approximate values. These values can be influenced by processing conditions, modifications, material additives and environmental influences and do not release the user from his own tests and trials. They have been assembled on the basis of current experience and knowledge. A legally binding assurance of certain properties or suitability for a specific application cannot be derived from our information.