

K

Compact Blower for Air Domes

Galvanized Steel Plate

Heating medium oil EL, gas, electric power
 Heat output 165 - 675 kW
 Air output 10,400 - 44,500 cbm/h
 Main blower and stand-by engine
 Authority as per DIN EN 13842



Matching to Air Dome:



Blower, engine room cabins and entrance elements can be supplied in any RAL colour

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Air Domes - of multipurpose use!

An interesting, cost-optimized alternative to a solid construction with nearly unlimited possibilities of layout (size, form, colours) and use (sports, events, exhibitions, storage, production)

Fan Technology

Compact / Pressure Control Blowers as

- Warm air heater, heating medium oil, gas, electricity, hot water or steam
- Cold air blower, electric or diesel engine (stand-by engine)

With integrated automatic switching (main-blower / stand-by engine) and for external installation with weatherproof ISO roof. Can also be supplied assembled in a power room cabin with heating oil / battery tank (4,500 litres) system.

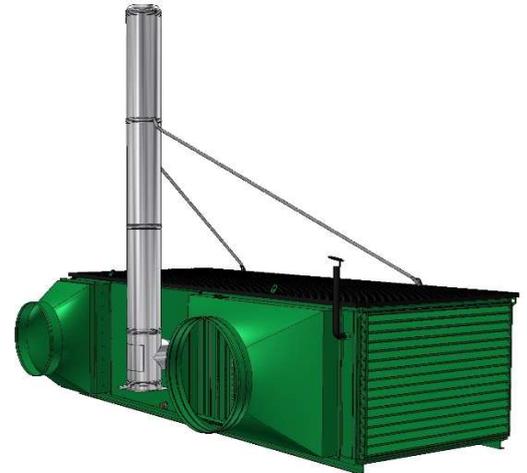
Additional Controls

Additional safety of operation by:

- Room temperature control (day, night, week program)
- Control depending on hall pressure
- Control depending on wind pressure
- Snow control by sensors
- Visual and acoustical alarm system
- Remote monitoring by internet or SMS



Burner side



Blow-out side

Please see back page also ▶

Technical Data

| Type | K- | 140/D | 180/D | 250/D | 300/D | 350/D | 480/D | 580/D |
|---|-------|------------|--------|--------|--------|---------|----------|----------|
| Nominal heat loading capacity | kW | | 233 | 323 | 388 | 452 | 620 | 750 |
| Nominal heat output | kW | | 210 | 291 | 349 | 407 | 558 | 675 |
| Air output main blower | cbm/h | | 14,400 | 20,000 | 24,000 | 26,000 | 35,000 | 44,500 |
| Air output stand-by engine | cbm/h | | 12,000 | 14,000 | 16,000 | 20,000 | 25,000 | 30,000 |
| External pressure | Pa | | 300 | 300 | 300 | 300 | 300 | 300 |
| Motor output | kW | on inquiry | 5.5 | 7.5 | 11.0 | 2 x 5.5 | 2 x 7.,5 | 2 x 11.0 |
| Length inclusive intake bar | mm | | 4,700 | 4,700 | 4,700 | 5,900 | 5,900 | 5,900 |
| Width without adapter for supply/return air | mm | | 1,670 | 1,670 | 1,670 | 2,300 | 2,300 | 2,300 |
| Height | mm | | 1,380 | 1,380 | 1,380 | 1,840 | 1,840 | 1,840 |
| Diameter supply air | mm | | 1,000 | 1,000 | 1,000 | 1,200 | 1,200 | 1,200 |
| Diameter return air | mm | | 800 | 800 | 800 | 1,000 | 1,000 | 1,000 |
| Diameter exhaust system | mm | | 300 | 350 | 350 | 450 | 450 | 550 |
| Weight without burner | kilos | | 1,800 | 1,800 | 1,900 | 3,200 | 3,500 | 3,700 |

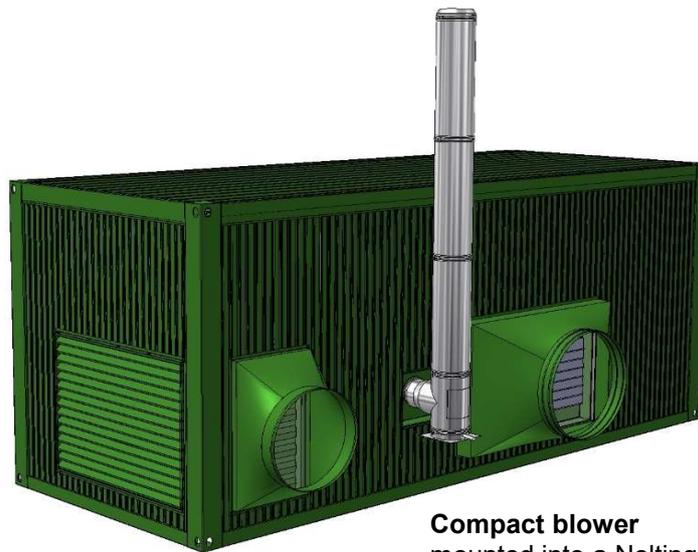
Subject to changes of dimensions and technical data (Version: 2024-03)

Fan Technology - Additional Controls - Entrance Elements

Individually matching to project requirements and customers requests.



Hockey hall 6,400 sqm - "supported and heated" by 2 units type K300/D (total air output 48,000 cbm/h)



Compact blower
mounted into a Nolting
power room cabin.



Sensor Control
Wind / Snow



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Entrance Elements

- Revolving doors, emergency doors, man locks (optional half or fully glazed)

Can also be supplied as entrance combination.