Suitable for high flow rates from medium to low pressures, the aerofoil centrifugal fans operate all air and gas flows containing moderate amounts of erosive particles.

**Key features**
- Backward-curved inclined aerofoil blades.
- High flow capacity.

**Design**
- **Temperature**: Up to 350°C.
- **Abrasions**: Addition of wear plates.
- **Corrosion**: Stainless steel option available.

**Options**
- **Drive**: Electric motor, gear box, fluid coupling, steam turbine.
- **Flow control**: Box vane control, radial vane control, frequency converter.
- **Silencer and acoustic lagging**.
- **Control**: Bearing vibration, bearing temperature.
- **Lubrication oil unit**.

**Applications**
- **Steel**: Blast furnace dedusting fan, ladle furnace dedusting fan.
- **Cement**: Final exhaust fan, clinker cooler ID fan, raw mill fan, cement mill fan, filter ID fan.
- **Power generation**: Boiler ID fan, FGD booster fan.
- **Oil & Gas**: High-flow and medium pressure rise applications.
- **General industry**: All applications with electrostatic precipitators or filter bags.
Diameter
Up to 4.3 m.

Performance
Flow: Up to 550 m³/s.
Pressure: Up to 18 kPa.
Power: Up to 7,000 kW.
Tip speed: Up to 180 m/s.

Aerfoil range performance envelope (pressure kPa vs flow m³/s)