David Brown Santasalo

# AMF Series

## High thermal capacity, two or three stage, vertically mounted helical gear units


Gear units located in harsh or remote environments where external cooling is not available require tremendous reliability. David Brown Santasalo's AMF vertical gear unit incorporates a bi-directional axial fan and optimised housing design, providing high thermal capacity and eliminating the need for external cooling in extreme ambient conditions. Robustly built, David Brown Santasalo AMF gear units feature our proven drive technology in operation in hundreds of vertical mixing applications around the world.

**Key benefits:**

- Designed and manufactured for demanding vertical applications with severe external forces coming from the customer processes
- Direct drive construction with electrical motor and flexible HSS coupling for high efficiency
- Reversible operational direction
- No requirement for external cooling due to an optimised structure
- Easy to transport and locate without risk of damage

| Technical data | |
|---|---|
| Design Sizes | 4 |
| Number of Stages | 2 - 3 |
| Power Range | up to 750 kW |
| Transmission Ratio | 7 - 90 |
| Nominal Output Torque | up to 200 kNm |

AMF SERIES

**Cement**
**Chemicals**
**Fibre, paper & tissue**
**Food & beverage**
**Mining & minerals**
**Power generation**
**Water & wastewater**

Santasalo

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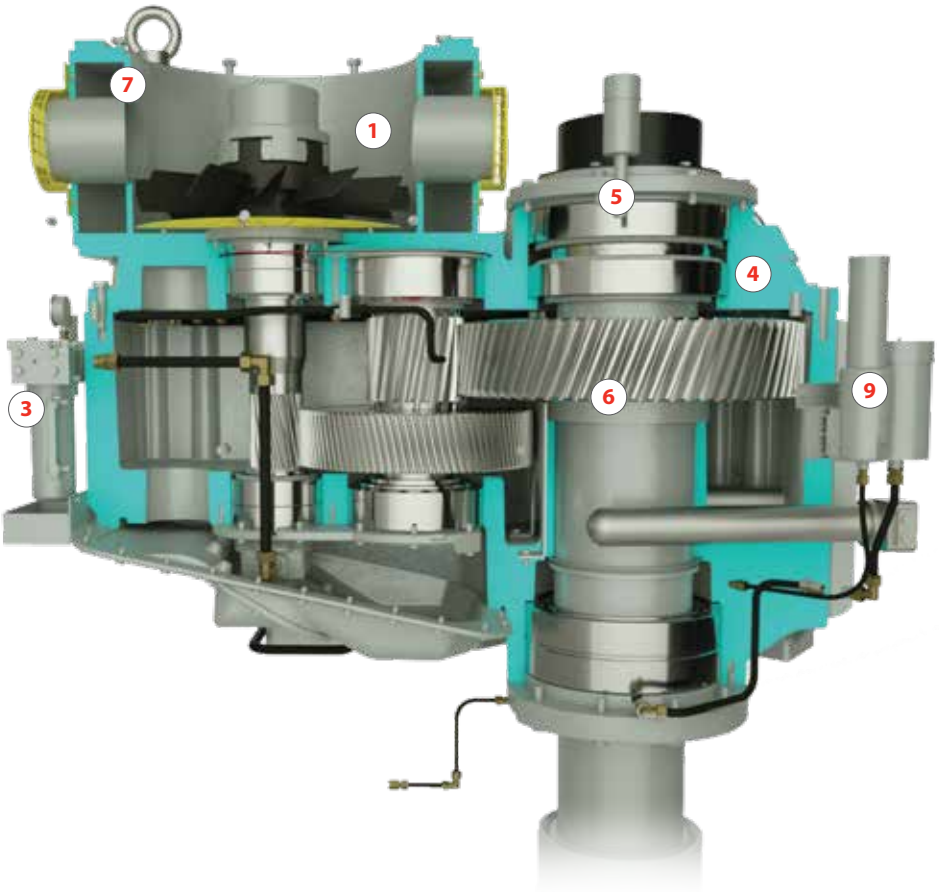
# Highly optimised gear unit layout delivers cost savings and smaller footprint

1. Bi-directional fan integrated on the flexible HSS-coupling
2. Shaft end pump (electrical as an option)
3. Lubrication assembly with filter & optional instrumentation
4. Optimised housing design for high thermal capacity and strength
5. Extended bearing distance
6. Dry well and grease lubricated lower bearing for leak prevention
7. Integrated motor flange
8. LSS flange with shrink fit connection
9. Automatic grease dispenser as an option
10. Oil heater as an option

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FLUID CONTROL

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