



## AMF Gear Unit 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. Santasalo's AMF vertical gear unit incorporates a bidirectional axial fan and optimised housing design, providing high thermal capacity and eliminating the need for external cooling in extreme ambient conditions. Robustly built, Santasalo AMF gear units feature Santasalo's proven drive technology in operation in hundreds of vertical mixing applications around the world.

- 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 ensuring high efficiency
- Reversible operational direction
- No requirement for external cooling due to an optimised structure
- Easy to transport and locate without risk of damages

TECHNICAL DATA	
Design Sizes	4
Number of Stages	2-3
Power Range	up to 750 kW
Transmission Ratio	7...40
Nominal Output Torque	up to 200 kNm

### AMF: Geared for Industry

Agitating

Mixing

Flotation

Cement

Power  
Generation



## AMF Standard Equipment

- Dry well construction on the LSS
- Flexible HSS coupling
- Fan with reversible rotation
- Rigid LSS flange with shrink fit
- Internal shaft end pump(changeable without removing the gear unit)
- Lubrication module with filter and thermometer and pressure gauge

## AMF Optional Equipment

- Automatic grease dispenser on LSS
- Special solid and hollow shafts on LSS
- Different instrumentation, sensors and condition monitoring available
- Torque limiting HSS coupling
- Load and bending moment measuring system as an option

## Geared For Service

Getting the most from your process equipment calls for a long-term, proactive approach to service and maintenance. Santasalo provides proactive service across the entire lifecycle of your machines.



## Our Locations

### Americas

**Brazil**, São Paulo  
T: + 55 15 3031 5300  
E: [brasil@santasalo.com](mailto:brasil@santasalo.com)

**Canada**, Ontario  
T: + 1 519 621 6390  
E: [canada@santasalo.com](mailto:canada@santasalo.com)

**Chile**, Santiago  
T: + 562 2920 6778  
E: [chile@santasalo.com](mailto:chile@santasalo.com)

**USA**, Greenville, SC  
T: + 1 864 627 1700  
E: [usa@santasalo.com](mailto:usa@santasalo.com)

### Europe

**Finland**, Jyväskylä  
T: + 358 293 401 000  
E: [finland@santasalo.com](mailto:finland@santasalo.com)

**France**, Bordeaux  
T: + 33 547 745 402  
E: [france@santasalo.com](mailto:france@santasalo.com)

**Germany**, Wuppertal  
T: + 49 202 24 14 0  
E: [germany@santasalo.com](mailto:germany@santasalo.com)

**Sweden**, Gothenburg  
T: + 46 31 710 20 50  
E: [sweden@santasalo.com](mailto:sweden@santasalo.com)

### Asia Pacific

**Australia**, Somersby  
T: + 61 2 4340 2338  
E: [australia@santasalo.com](mailto:australia@santasalo.com)

**China**, Suzhou  
T: + 86 512 6299 8852  
E: [suzhou@santasalo.com](mailto:suzhou@santasalo.com)

**China**, Beijing  
T: + 86 10 6775 6792  
E: [beijing@santasalo.com](mailto:beijing@santasalo.com)

[info@santasalo.com](mailto:info@santasalo.com)  
[www.santasalo.com](http://www.santasalo.com)