

## STROMAG FAN CLUTCH S270

The S270 Fan Clutch is designed to deliver controlled cooling performance through continuous slipping capability, supporting demanding industrial applications that require precise thermal management and long service life.

### APPLICATIONS

- Industrial fan systems
- Heavy-duty cooling assemblies
- Installations requiring controlled slip for thermal regulation
- Systems with fixed installation space or limited adaptation options

### BENEFITS INCLUDE

- Supports **continuous slipping operation** for optimized cooling performance
- Engineered for **high reliability and durability**
- Suitable for variable speeds and temperature environments
- Designed to accommodate key installation constraints

### S270 EXECUTIONS

Multiple execution variants were evaluated, including:

- Volume considerations
- Mechanical configuration options
- Performance requirement alignment
- Current development status

### PRODUCT RANGE:

- Full range to cover all heavy Duty motor sizes is in development
- Made for Plug and Play retrofits on existing installations with Non-Stromag Clutches
- Various Flywheel-Shaft connections possible
- Improved bearing and Sael design
- Optimized control in development for additional fuel savings



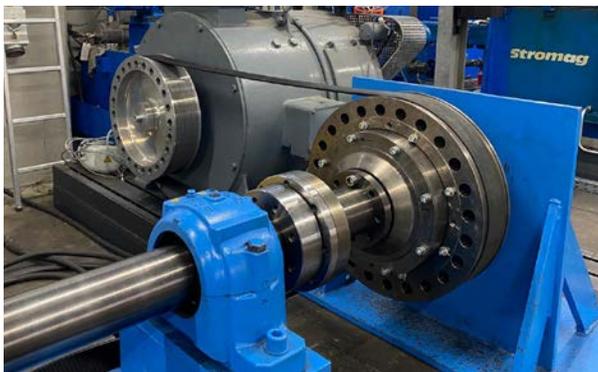
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## PERFORMANCE RANGE

(As analyzed in the Feasibility Study — Fan Clutch Size S270)

Parameter	Minimum	Maximum
Power (HP)	90	170
Power (kW)	67.113	126.769
Speed (rpm)	300	1200
Torque (lbf·ft)	716.25	5411.67
Torque (Nm)	534.11	4035.48

SPECIFICATION	VALUE
Operating Pressure (PSI)	35
Operating Pressure (bar)	2.413
Dynamic Torque (lbf·ft) @ $\mu = 0.1$	12,656.566
Dynamic Torque (Nm) @ $\mu = 0.1$	1430
Piston Stroke Volume (new)	161 cm <sup>3</sup>
Piston Stroke Volume (worn)	204 cm <sup>3</sup>
Cooling Oil Flow (gal/min)	min/max
Cooling Oil Flow (l/min)	min/max
Weight	approx. 180 kg



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