



Rockford® Clutch

PRODUCT OVERVIEW

GKN Rockford® Fan Clutches

GKN Rockford® introduced its first on-highway Class 8 truck fan clutch over 30 years ago and has continued to apply and refine the technology for off-highway applications ever since. Today, our line of high-performance fan clutches continues to set the standard for reduction of fuel consumption and fan-generated noise, prolonged engine life, increased belt life and improved productivity.



GKN Rockford's unique variable speed technology enables our fan clutches to respond to changes in the engine cooling demands by varying the fan speed. This is accomplished by using a stand-alone control system or through today's high-tech engines' ECMs. This allows the fan to slow down or speed up as necessary, utilizing less working horsepower from the engine and lowering fuel consumption.

Our patented fan clutch is offered in various sizes. Each fan clutch series number relates to its relative size within the product family. We currently offer fan clutches for engines from 400 to 4,000 horsepower which use cooling fans from 10 to 300 horsepower.

BENEFITS INCLUDE >

- > Increases fuel economy and usable horsepower
- > Reduces decibel rating for noise regulation
- > Reduces radiator sandblasting
- > Increases productivity
- > Permits programmed fan speed clipping at high engine speeds
- > Reduces fan blade erosion
- > Eliminates shock load on engine components
- > Reduces noise for enhanced operator comfort
- > Increases fan belt life
- > Speeds up engine warm-up in cold temperatures

Series	Description / Application	Cooling Fan HP	RPM
5.25	The 5.25 series is the original variable speed, air release GKN Rockford fan clutch. This spring applied design continues to be an effective design suitable for on-highway and military applications	10 – 50	1800-2600 RPM
135	The Series 135 is a next generation on-highway variable speed Rockford fan clutch. This design offers the capability to interface with current or future electronic control technology. It offers the high speed and heat capacity necessary when using engines needing increased cooling capability.	10 – 45	1800-3000 RPM
150	The Series 150 Rockford fan clutch is designed for lighter duty off-highway and industrial applications. This fan clutch is designed for significant efficiency gains and noise reduction where space limitations are critical.	20 – 60	900-2500 RPM
170	The series 170 GKN Rockford fan clutch is designed for medium to lighter duty off-highway and industrial applications. This oil-actuated fan clutch enables vehicle efficiency gains and aids in noise reduction applications.	20 – 60	900-2500 RPM
200	The series 200 GKN Rockford fan clutch is designed for medium duty off-highway applications and industrial applications. This fan clutch enables vehicle efficiency by minimizing parasitic load on the engine and reduced warm up time.	40-90	600-2100 RPM
270	The series 270 GKN Rockford fan clutch is designed for heavy-duty off-highway applications. This fan clutch provides efficiency through on demand cooling in large applications. The effects of over cooling are reduced in cold weather applications.	80-150	600-2100 RPM
370	The series 370 GKN Rockford fan clutch is designed for the largest applications. This is the newest addition to the Rockford product line. This fan clutch was developed to meet the cooling demands of the largest off-highway applications.	150-300	900-1200 RPM



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Fan Clutches Overhaul Kit

Kit Part Number	Overhaul Kit Description	This kit will service the following assemblies
03037319	S270 with 8 plates	04050303
03037507	S270 with 8 plates	04050304
		04050305
		04050306
		04050307
		04050308
03033592	S270 without plates	04050314
		04050337
03033591	S270 Seal kit	04050306
		04050307
		04050308
03037508	Seal Kit - Special version of 03033591	04050306
		04050307
		04050308
03025475	Name plate kit	Widely Used

Further kits are available, contact GKN for more information.

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