

# VariGlide® Beltless CVT Technology



## High-Efficiency, Coaxial Variable Drive Technology

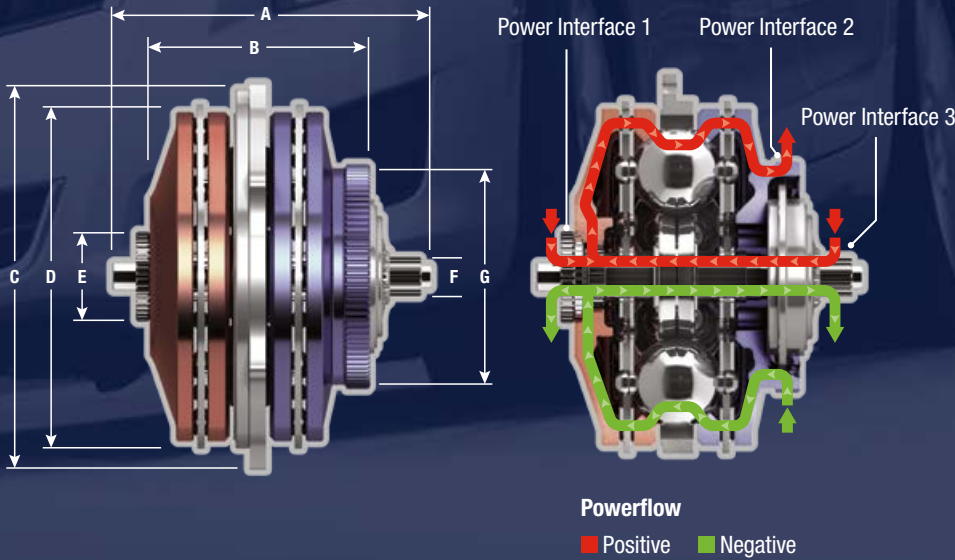
Setting new standards in efficiency, stability, and ease of integration for industrial CVTs.

# The CVT of tomorrow. More flexibility than ever.

The VariGlide® variator represents a paradigm shift in CVT technology from a robustness, reliability, packagability, and an ease of integration perspective.

Unique design features include:

- Passive clamping mechanism eliminating the need for a pump
- Simple and stable ratio control
- Bolt-in module
- Coaxial input and output interfaces

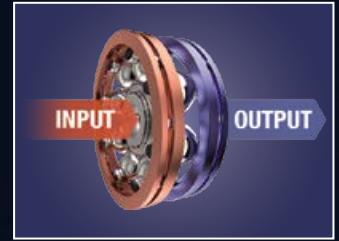


		VariGlide® Variator	
		75	120
<b>Specifications</b>			
	Max Power	75 kW	
	Standard Speed Ratio Range	0.52 - 1.8	
<b>Dimensions (mm)</b>			
<b>A</b>	Shaft end to end	137	Coming 2017
<b>B</b>	Case to case width	106	
<b>C</b>	Maximum carrier diameter	199	
<b>D</b>	Maximum rotating outside diameter	147	
<b>E</b>	Spline outside diameter	39	
<b>F</b>	Shaft outside diameter	17	
<b>G</b>	Spline outside diameter	97	

With a team of engineers located at the dedicated 45,000-square-foot global technology center in Cedar Park, Texas, designs are rapidly created, manufactured, and tested. Targeting a 2020 commercial release with current customers, VariGlide CVT technology is rapidly gaining traction among vehicle OEMs worldwide.

Learn more today about this breakthrough CVT technology at [dana.com/variglide](http://dana.com/variglide).

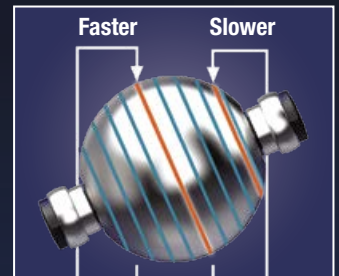
## Inside VariGlide® Variator



A set of spinning planets is fitted between an input ring, driven by the engine, and an output ring, which transfers power from the variator to the downstream drivetrain elements.



During elastohydrodynamic (EHL) conditions, a special traction fluid transfers torque between the ball and ring without perceptible slipping. Metal-to-metal contact is eliminated.



As power enters the input disc, the planets tilt on their axes and adjust contact diameters, which changes ratio to allow smooth, fast, and tightly controlled shifting.

[dana.com/lv-contact](http://dana.com/lv-contact)



### Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.