

**Bonfiglioli
Continuously
Variable
Transmissions**

 **Bonfiglioli**
Forever Forward



INCREASE UPTIME

Prevent driver abuse and features advance diagnostic & troubleshooting tools.



HIGH EFFICIENCY

Infinite number of ratios improving vehicle performance and engine optimization, and increasing work efficiency.



SMOOTH & EASY DRIVE

Automatic shifting with smooth forward/reverse shuttling, increasing productivity and drive comfort



ECO-FRIENDLY & COST-EFFECTIVE

Maximize fuel savings versus current technologies, allowing cost savings.



FLEXIBILITY & ACCURATE CONTROL

This accurate vehicle control allows effective calibration and customization, while ensuring maximum performance and safety.



TAILORED-MADE SOLUTIONS

Personalized product depending on performance requirements.



CONNECTIVITY

Can Bus CVT Controller compatible with connected sensors and telemetry.



MORE POWER TO THE WHEEL

by transferring more power from any engine compared to any other type of transmission.



ENGINE DOWNSIZING

Smaller engine with the same wheel power.





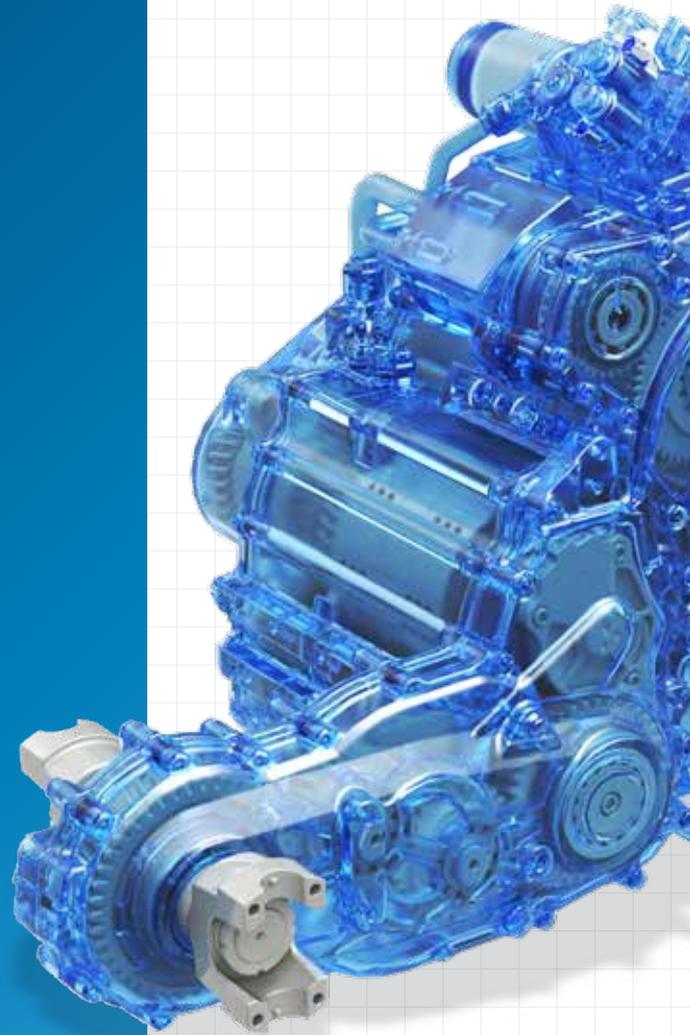
ECGenius

Bonfiglioli Continuously Variable Transmissions

ECGenius is a high-power, efficient and cost-effective CVT dedicated to telehandler vehicles but also suitable for other equipments. The patented technology at the core of this product is the result of over 15 years of development and enables OEM's downsize engine while providing unmatched operational ease, and overall vehicle performance improvements in the 20-30% range.

“ECGenius not only offers the best peak efficiency available on the market, but it also maintains industry leading efficiencies regardless of input power.”

ECGenius





“
**Patented
 technology
 in Europe,
 United
 States and
 Asia**
 ”

ECGenius Patented Mechanical Variator

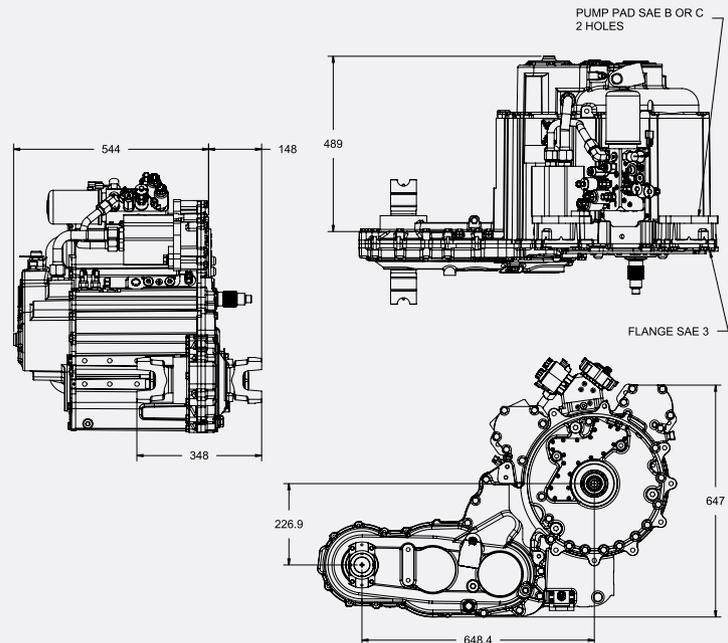
Torque and Power are transferred seamlessly through 6 actuated rollers, thanks to the elastohydrodynamic lubrication which prevents metal to metal contact while ensuring the correct torque transfer without slippage

Specifications for ECGenius150 dedicated to telehandlers

General ratings

Power rating (kW)	96 @ 2,200 rpm
Max input speed (rpm)	2,600
Max input torque (N*m)	550 (825 peak)
Max output speed (rpm)	3,100
Max output torque (N*m)	4,000
Range of ratios	8.27 to 0.6 (span of 13.78)
Number of range	2 Fwd / 1 Rev
Range shifting	Powershift
Reverse ratios	8.38 to 1.4 (span of 6)
Reverse shifting	Power shuttle
4WD	Locked
Output layout	Lateral drop

Dimensions



Reliability & Efficiency



Reliability by Experience

- Proven technology with over 500,000 cumulative hours completed in the lab and by OEMs in real life applications
- Precise and stable control system not affected by load variations
- Robust design to handle typical applications shock loads

Adaptability by Control

- The Transmission Control Unit algorithm uses, engine and transmission data ensuring maximum vehicle efficiency and overall system optimization.
- The Transmission control software is easy to integrate and to include special operating modes for specific applications resulting in maximum productivity
- The open architecture and customizable software allows maximum flexibility and to adjust to various geographic requirements

Genius by Design

- Traction drive toroidal architecture offers smooth, seamless shifting with no steps through an infinite number of effective forward speeds
- The innovative transmission design with advanced control and clutch reduces the number of mechanical components, therefore reducing mechanical and viscous losses
- Seamless shifting allows the engine to operate at its optimal operating point translating into fuel efficiency.



We have a relentless commitment to excellence, innovation and sustainability. Our team creates, distributes and services world-class power transmission and drive solutions to keep the world in motion.

HEADQUARTERS

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