

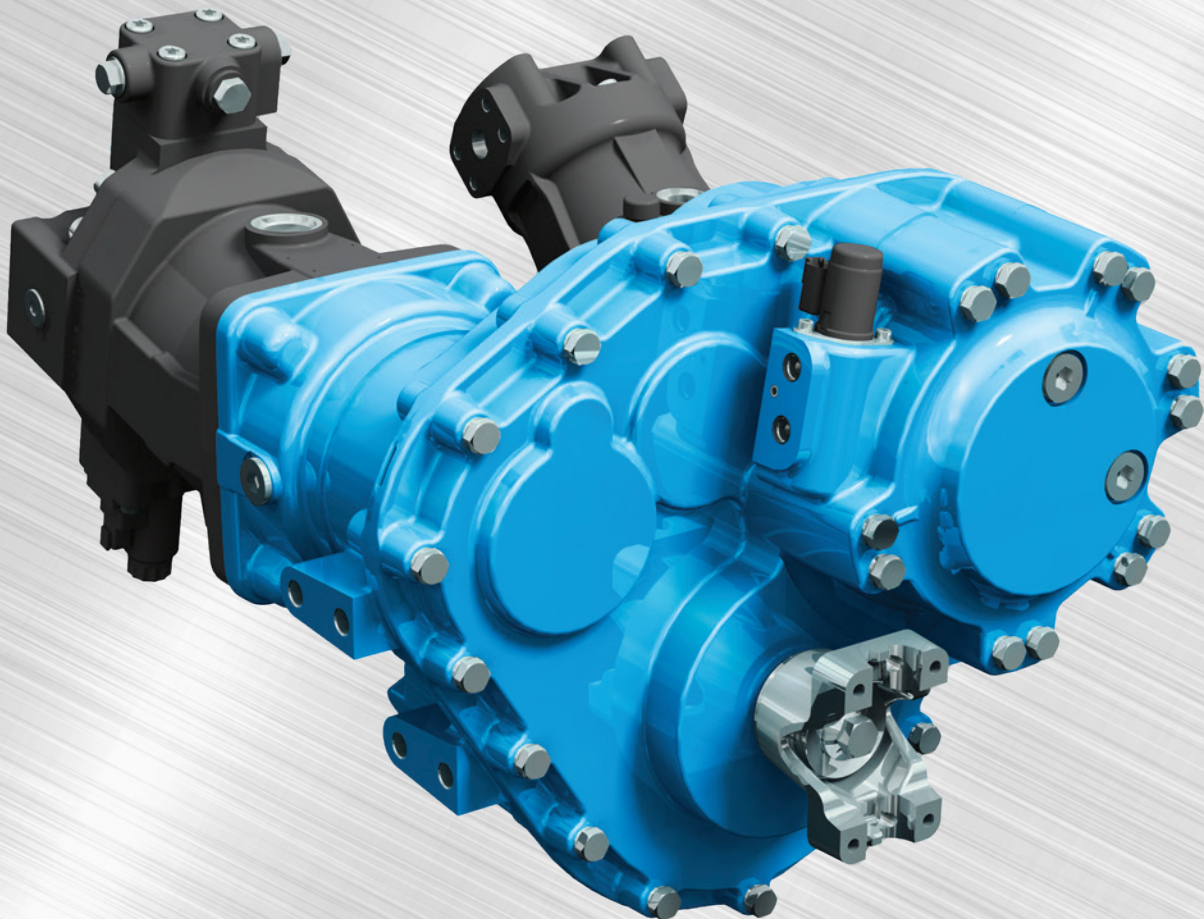


SPICER®

Drivetrain Systems

Spicer® 318

Hydrostatic Continuously Variable Transmission



Designed for **hydrostatically driven vehicles**, this innovative transmission combines **high controllability** with **increased efficiency at high speeds** more than 20 percent greater than standard hydrostatic transmissions.

Spicer® 318

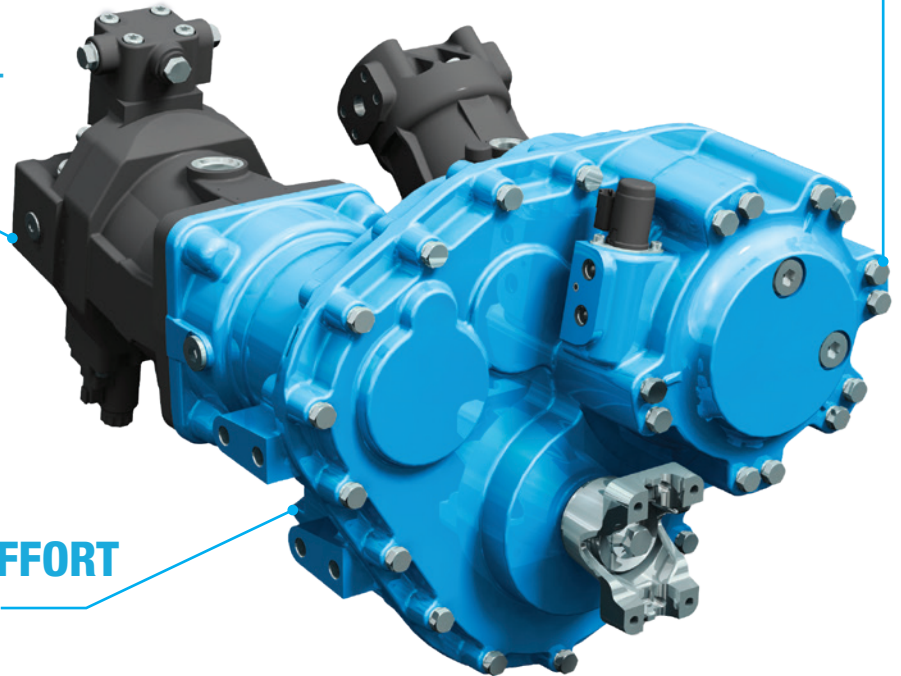
Hydrostatic Continuously Variable Transmission

Designed for compact wheel loaders and medium-sized telehandlers, the Spicer® 318 hydrostatic continuously variable transmission offers full CVT functionality without torque interruption, and increased efficiency at high travel speeds more than 20 percent greater than standard hydrostatic transmissions.

UNIQUE TWO-MOTOR DESIGN OFFERS CVT FUNCTIONALITY WITHOUT TORQUE INTERRUPTION

INCREASED EFFICIENCY AT HIGH TRAVEL SPEEDS

INCREASED TRACTIVE EFFORT AT LOW TRAVEL SPEEDS



Design Features

The possibility to obtain continuous speed variation with no need for gear shifting is the main feature of the Spicer 318 hydrostatic continuously variable transmission. It can accommodate various combinations of hydraulic motors from 80cc up to 115cc.

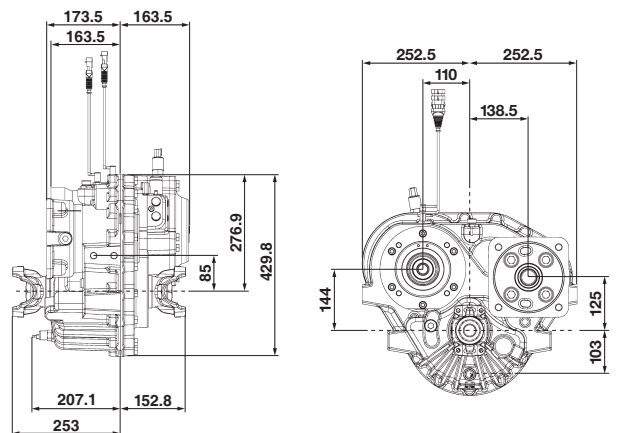
The second motor can be disconnected at high speed and re-engaged when high torque is needed. To provide additional design flexibility, the transmission can be supplied remote-mounted or directly flanged to Spicer axles.

Benefits

This gearbox is specifically designed for hydrostatically driven industrial vehicles which require maximized top speed, efficiency, and tractive effort.

The high efficiency of the system reduces power loss and, consequently, the fuel consumption of the vehicle.

Technical Data	
Maximum Input Torque (Nm)	550 (1st motor 80cc) – 800 (2nd motor 115cc)
Maximum Input Power (kW)	55 (1st motor 80cc) – 70 (2nd motor 115cc)
Maximum Input Speed (RPM)	5000
Speed Sensors	At both motors
Output Flanges	End yoke 1480
Ratios Available	Between output and 1st motor (80cc) - 1.33/1 Between output and 2nd motor (115cc) - 3.56/1



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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.



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