

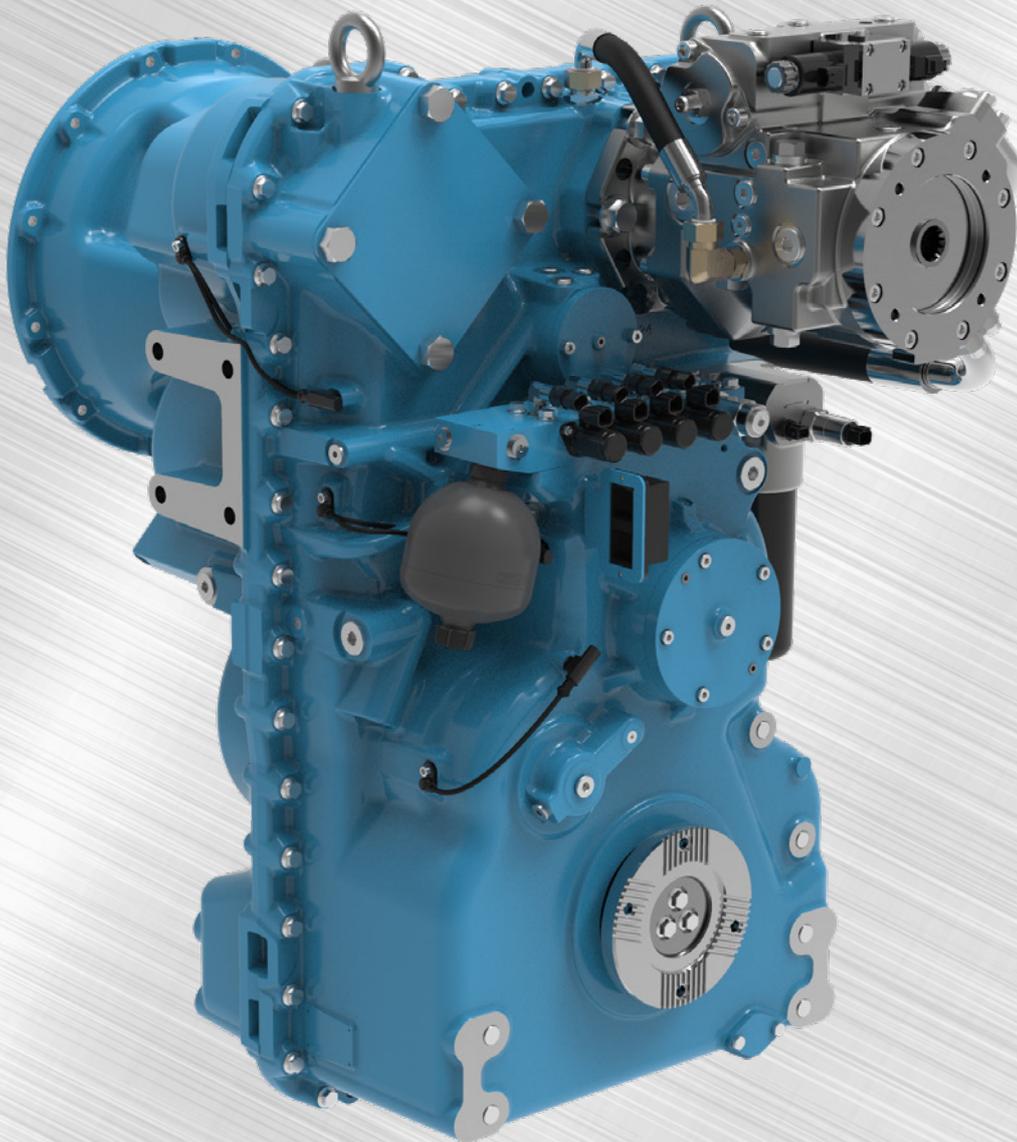


SPICER®

Drivetrain Systems

Spicer® HVT-R2

Hydromechanical Variable Transmission



The Spicer® hydromechanical variable transmission (HVT) improves fuel savings up to 25 percent compared with standard torque converter transmissions.

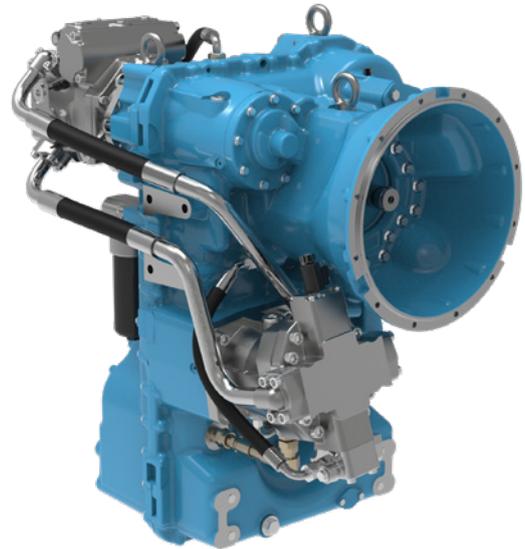
Spicer® HVT-R2

Hydromechanical Variable Transmission

Transmission developed specifically for front end loaders, motor graders, heavy material handling, and forestry skidders. Proven design delivering more than 10% increased productivity, greater than 25% lower fuel consumption and better system ergonomics by reducing machine NVH, achieved by engine being driven at lower rpms. Spicer® HVT allows complete decouple of engine speed to wheel speed providing best in market handling and drive-ability while achieving maximum fuel saving.

Features and Benefits

- Power-specific fuel optimization - Complete decouple of Vehicle speed and engine speed
- Operates engines at its sweet spot - highest torque and lowest consumption
- Higher productivity by taking advantage of best of two transmission types -hydrostatic + powersplit
- Stepless drive with no interrupted acceleration enhances comfort
- Hydrostatic braking and wear-free reverse shuttling help increase productivity and reduce service costs
- Three-range concept – The HVT has one hydrostatic drive range and two input-coupled power-split ranges
- Precise, dynamic, and adjustable tractive effort management control at low engine speeds enables efficient digging
- Modular design to meet different application requirements
- Space compatible with standard torque converter transmissions

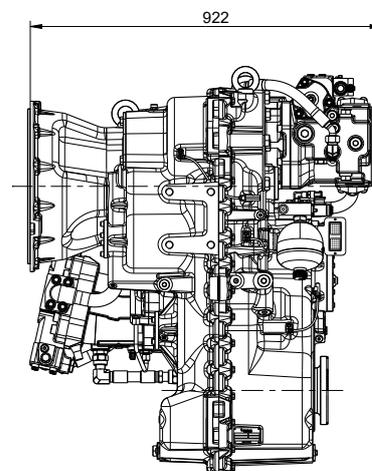
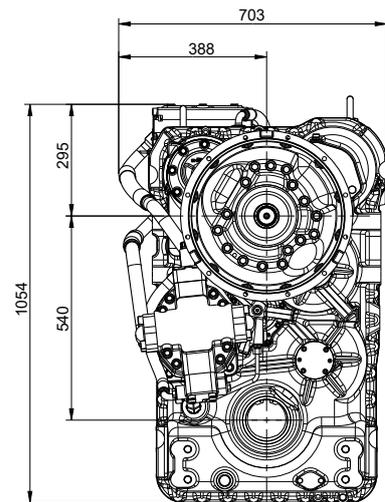


Technical Data	
Ratios (Standard)	Variable
Input Power [kW]	235
Input Maximum [RPM]	2330
Electrical connection	Deutsch 40pin DRC12-40PA
Oil filter	Integrated
Oil Capacity*	34 lt
Options	AWD AWD disengagement Disc SAHR Brake Remote oil filter Output flanges DIN; SAE; Spicer

*The oil capacity is intended as the oil volume needed for the transmission alone, the external cooling system volume need to be added at this volume on each specific application.

Specifications	
Drive Ranges	3 Forward, 2 Reverse PTO 1 - SAE_J744_D SAE_J744_C
Pump Drives	PTO 2 - SAE_J744_C SAE_J744_B PTO 3 - SAE_J744_B
Mounting	Direct on ICE Direct on Electric Motor Remote mount

Dimensions	
Drop [mm]	540
Total Assembled Weight (Dry) [Kg]	850
Bell Housing	SAE J617 (SAE 3)
Input shaft	DIN 5480 W47x2x22x9g
Maximum Length [mm]	922
Maximum Width [mm]	703
Output flanges (standard)	GWB XS180 (RWD)



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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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