

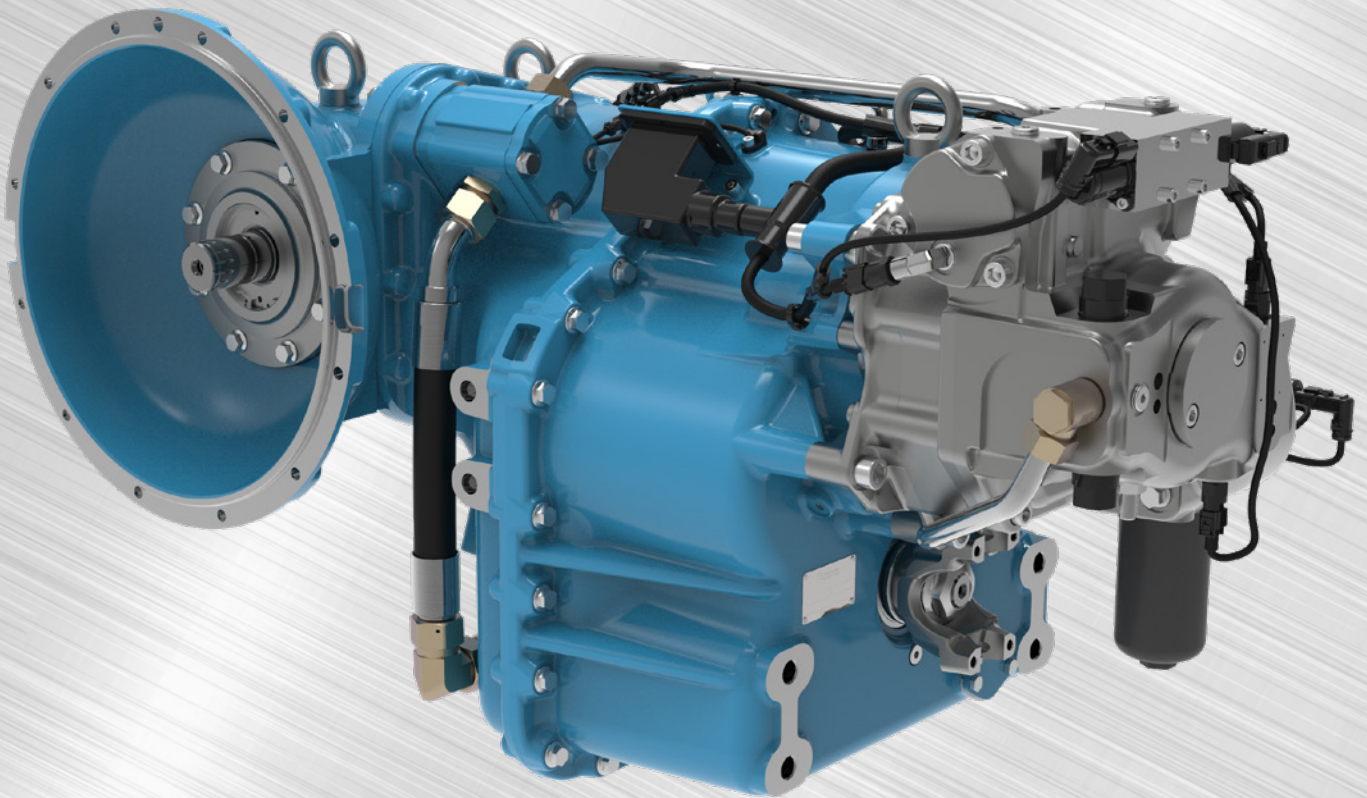


**SPICER<sup>®</sup>**

Drivetrain Systems

# Spicer<sup>®</sup> HVT1

## Hydromechanical Variable Transmission



*Spicer<sup>®</sup> HVT1 hydromechanical variable transmission delivers superior performance combined with maximum support for sustainability.*

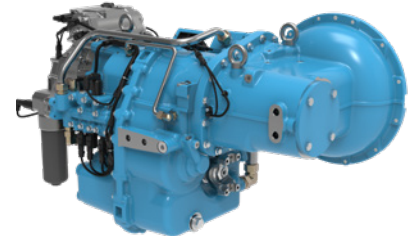
# Spicer® HVT1

## Hydromechanical Variable Transmission

The ideal solution for Telehandlers in Agriculture and Construction sector. Its unique combination of hydrostatic and mechanical drives supplies superior performance through more efficient engine utilization, high power for work functions, increased travel speeds, improved towing capacity, and expanded machine versatility. Spicer® HVT1 improves working conditions and the environment by supporting lower fuel consumption, reduced greenhouse gas emissions, and less noise than comparable vehicles powered by conventional drivelines.

### Features and Benefits

- Supports power inputs from 80 to 115 kW (110 to 155 HP)
- Fully decouples engine speed from travel speed, allowing the engine to work at its optimal speed for maximum efficiency
- Advanced electronic control system automatically adjusts mix of hydrostatic and mechanical power to maximize machine productivity in every duty cycle
- Enables travel speeds of up to 50 km/h to accelerate deployment from jobsite to jobsite
- Supplies maximum torque - even at standstill – to support more rigorous work demands, such as digging and loading
- Supports optimal machine performance in every duty cycle, shortening work cycles with quick and precise maneuverability
- Smoother shifting, lower machine vibration, reduced workplace noise levels contribute to a less stressful working environment
- Provides savings for manufacturers, who can configure their telehandler lineups with smaller engines, as well as equipment owners who enjoy the many long-term savings resulting from up to 30% lower fuel consumption and reduced carbon taxes

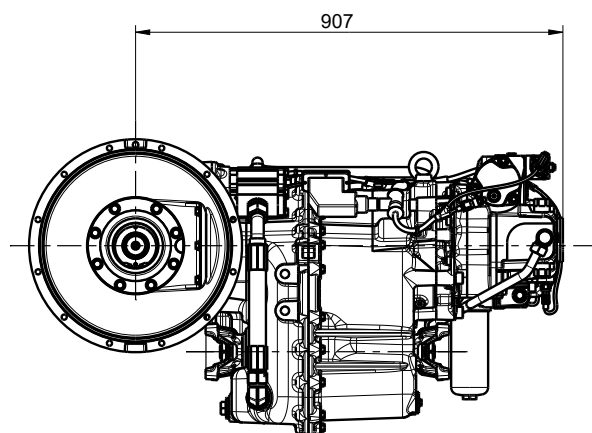
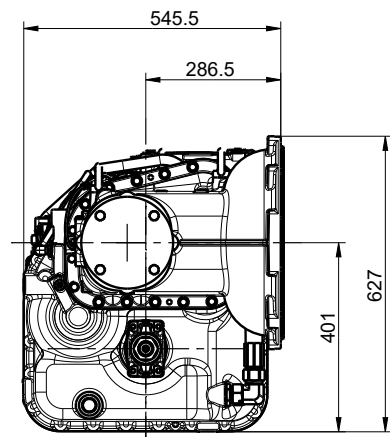


Technical Data	
<b>Ratios (Standard)</b>	Variable
<b>Input Power [kW]</b>	115
<b>Input Maximum [RPM]</b>	2100
<b>Electrical connection</b>	Deutsch 40pin DRC12-40PA
<b>Oil filter</b>	Integrated
<b>Oil Capacity*</b>	24 lt
<b>Options</b>	Remote oil filter Output flanges DIN; SAE; Spicer

\*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	
<b>Drive Ranges</b>	2 Forward, 1 Reverse
<b>Pump Drives</b>	PTO 1 - SAE_J744_C PTO 2 - SAE_J744_B
<b>Mounting</b>	Direct on ICE Direct on Electric Motor

Dimensions	
<b>Drop [mm]</b>	225
<b>Total Assembled Weight (Dry) [Kg]</b>	450
<b>Bell Housing</b>	SAE J617 (SAE 3)
<b>Input shaft</b>	DIN 5480 W45x2x21x9g
<b>Installation Length [mm]</b>	907
<b>Installation Width [mm]</b>	545.5
<b>Output flanges (standard)</b>	Spicer® 1480 END JOKE



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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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