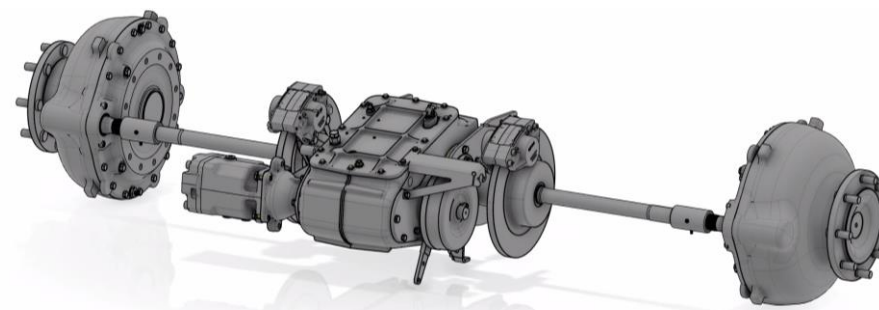
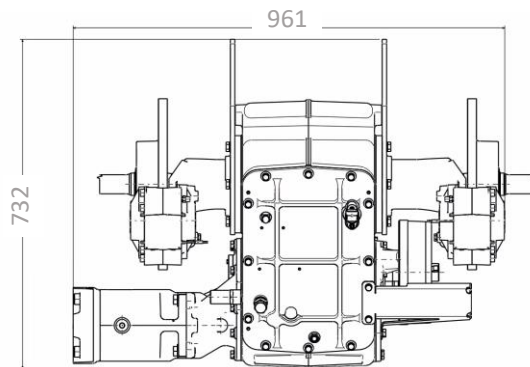




# Drive axles for self-propelled harvesters – 14 t



## Manual and axle drive for compact harvesters

With the proven combination of single-stage axle drive and 3-speed manual transmission, CLAAS Industrietechnik offers a functional drive axle for self-propelled harvesters with an axle load of up to 14 tons.

With top speeds of 30 km/h on the road and 15 km/h in the field, it opens up a wide range of applications. Flat dimensions and high performance make this combination a perfect all-rounder in the performance segment.

Permissible machine parameters		
Axle loads		14 t
Hydrostatic variable displacement motor	Swallowing volume	until 105 cm <sup>3</sup>
	Δp (max.)	420 bar
Total machine weight (field)		until 18.6 t
Braked road weight		until 15.7 t

## Manual Transmission

Translation ratio $i_{SG}$	1st Gear	12.516
	2nd Gear	6.222
	3rd Gear	2.926

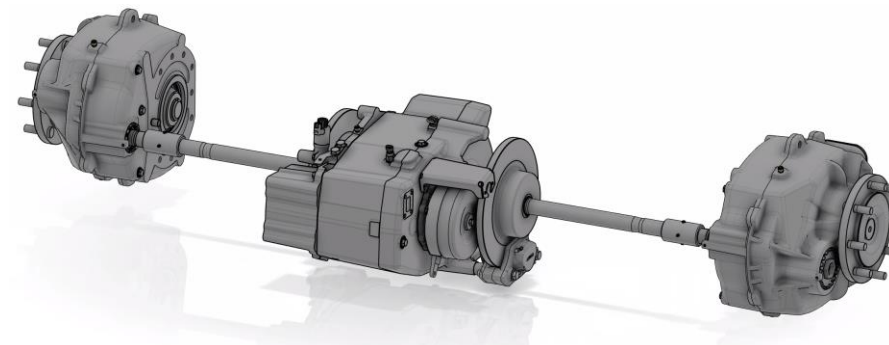
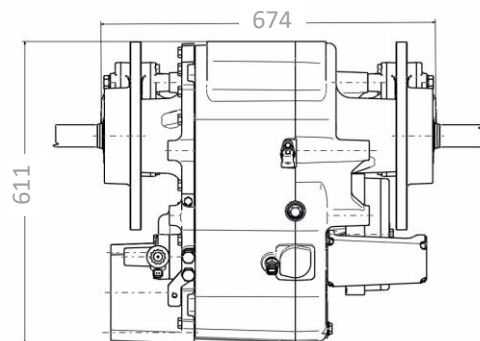
Sensors		Speed sensor
Circuit	Type	Claw shift + Slider wheel (In-Line)
	Operating principle	Standstill circuit with mechanical neutral position
Optional		+ Hydrostatic variable displacement motor (105cm <sup>3</sup> )

## Axle gearbox (one-stage)

Gear ratio $i_{AG}$		8.083		
Maximum axle load		14 t		
Wheel hub	Bolt cycle	Ø 275 mm	Thread	8xM22x1.5



# Drive axles for self-propelled harvesters - 17 t



## Manual and axle transmissions for compact harvesters with increased comfort

The combination of double-stage axle drives and 3-speed manual transmissions, coupled with optional features, results in the perfect combination of proven technology and modern comfort requirements.

With a maximum travel speed of 30 km/h and a maximum permissible axle load of 17 tons.

### Permissible machine parameters

Axle loads		17 t
Hydrostatic variable displacement motor	Swallowing volume	until 105 cm <sup>3</sup>
	$\Delta p$ (max.)	420 bar
Total machine weight (field)		until 23 t
Braked road weight		until 18 t

### Manual Transmission

Translation ratio $i_{SG}$	1st Gear	10.074
	2nd Gear	6.611
	3rd Gear	2.573

Sensors, Gear recognition sensor (3rd Gear), Speed sensor

Circuit	Type	Claw shift + Slider wheel (In-Line)
	Operating principle	Standstill circuit with mechanical neutral position

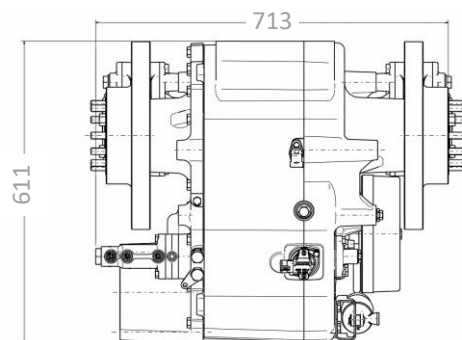
Optional + Switch relief  
+ Differential lock  
+ Hydrostatic variable displacement motor (105cm<sup>3</sup>)

### Axle gearbox (double-stage)

Gear ratio $i_{AG}$		11.147		
Maximum axle load		17 t		
Wheel hub	Bolt cycle	Ø 275 mm	Thread	8xM22x1.5



# Drive axles for self-propelled harvesters - 19 to 25 t



## Manual and axle transmissions for medium-duty harvesters

With these newly developed two-speed manual transmissions and double-stage axle transmissions, CLAAS Industrietechnik offers its customers the ideal solution for self-propelled harvesters in the medium performance class.

With travel speeds of up to 30 km/h and axle loads of up to 25 t, almost all requirements in this performance segment can be met. Optional features offer the customer a wide product portfolio to create additional comfort. Translated with.

Permissible machine parameters		
Axle loads		19 – 25 t
Hydrostatic variable displacement motor	Swallowing volume	until 170 cm <sup>3</sup>
	$\Delta p$ (max.)	450 bar
Total machine weight (field)		25 - 32 t
Braked road weight		19 - 22 t

## Manual Transmission

Translation ratio $i_{SG}$	1st Gear	7.149 – 8.475
	2nd Gear	3.060 – 3.460

Sensors	Gear recognition sensor, speed sensor		
Circuit	Type	Claw shift with shift relief	
	Operating principle	Standstill circuit with mechanical neutral position	

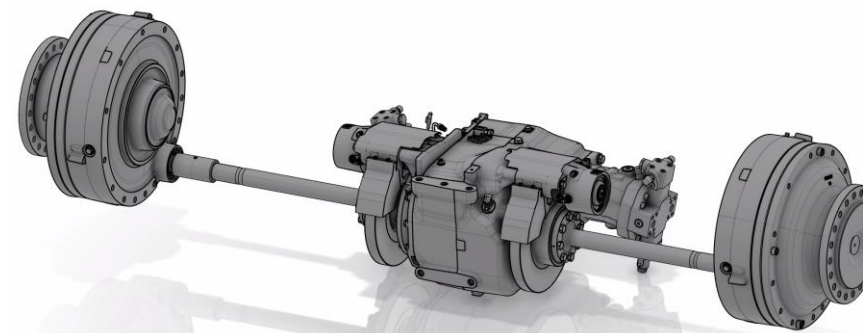
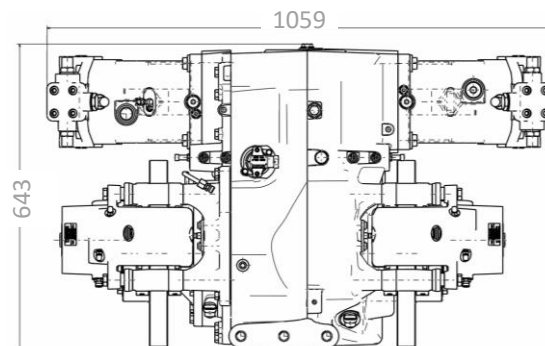
Optional	+ Electro-hydraulic shift actuation + Hydraulically operated parking brake system + Differential lock (under conditions) + Hydrostatic variable displacement motor (140cm <sup>3</sup> / 170cm <sup>3</sup> )		
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## Axle gearbox (double-stage)

Gear ratio $i_{AG}$	11.147		11.166	
Maximum axle load	19 t		25 t	
Wheel hub	Bolt circle	Ø 335 mm	Thread	10xM22x1.5



# Drive axles for self-propelled harvesters – 30 t



## Manual and axle transmission for powerful harvesters

All LEXION models are equipped with a hydrostatic 2-speed drive, which you shift conveniently using the buttons in the armrest. Optional features offer the customer a wide product portfolio to create additional comfort.

A maximum driving speed of 40 km/h and a maximum permissible axle load of 30 tons are available.

Permissible machine parameters		
Axle loads		30 t
Hydrostatic variable displacement motor	Swallowing volume	170 cm <sup>3</sup> / 2x 115 cm <sup>3</sup>
	Δp (max.)	450 bar
Total machine weight (field)		until 39 t
Braked road weight		until 25 t

## Manual Transmission

Translation ratio $i_{SG}$	1st Gear	4.602 – 6.889	6.947 – 8.709
	2nd Gear	2.002 – 2.997	2.573 – 3.951

Sensors Gear recognition sensor, speed sensor

Circuit	Type	Claw circuit
	Operating principle	Standstill circuit with mechanical neutral position

- Optional
- + Dual motor drive concept
  - + Differential lock (fixed value lock)
  - + Countershafts

## Axle gearbox (planetary)

Gear ratio $i_{AG}$		17.263		
Maximum axle load		30 t		
Wheel hub	Bolt cycle	Ø 335 mm	Thread	20xM22x1.5