

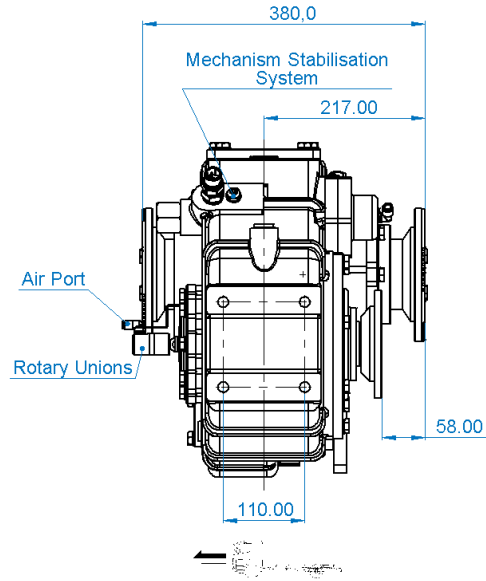
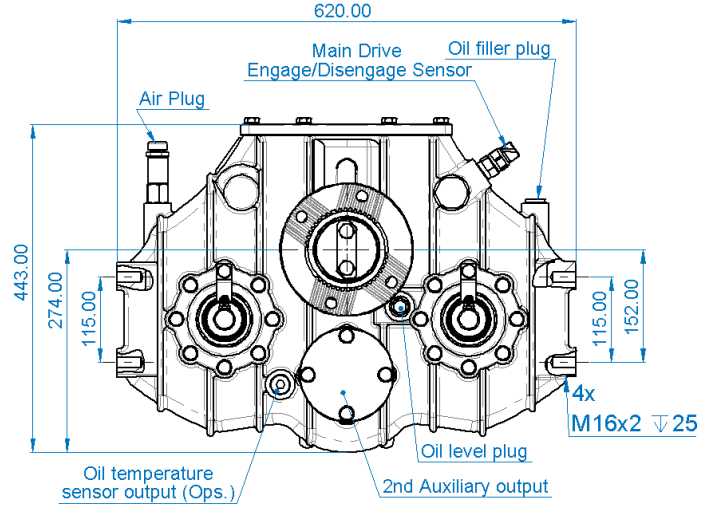
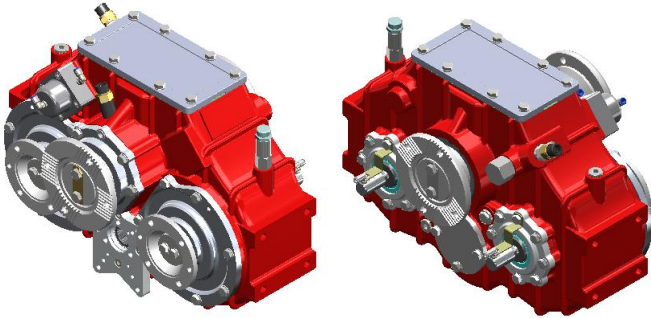
Dimensions & Specification

Page 1

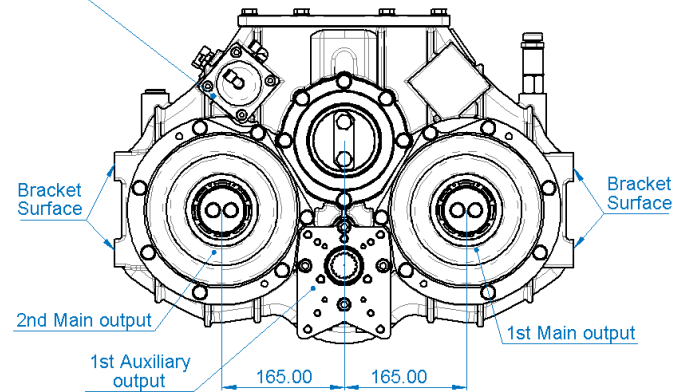
Empower your trucks with precision, reliability, and high-torque performance engineered specifically for sewer cleaning fleets.

Mechanism and it provides Hot Shift Feature. Thanks to the clutch mechanism not necessary to press clutch pedal during engage/disengage process. It can provide 100% of input speed. The gearbox has 2 side outputs and 2 service pump outputs. Each output can be controlled independently. It depends on the requirements the gearbox can be designed even just with single output. PTO output can be at differential side or cabin side. PTO outputs can be design with all ISO standard flanges as well as suitable housing for any kind of hydraulic pump. Cooling system can be mount on the gearbox. Engage/Disengage sensor can be installed to observe, if PTO is engaged or not, also RPM counter is another option.

Even though it is generally used for Sewer Cleaning Trucks, it can be used any application which needs Hot Shift Feature.



Main Drive & Side Output Pneumatic Control System



Auxiliary Output ; Group 1,2,3 / ISO 4 Hole / Gear 3 Hole

Internal Ratio Table		
Main Drive	Main Outputs	Aux Output
1/1	1/1	1/1.28
1/1	1/.1.25	1/1.66
1/1	1/.1.70	1/2,47

Torque & Power Table		
Main Drive	Main Outputs	Aux Output
3000 Kgm	110 Kw	35 Kw

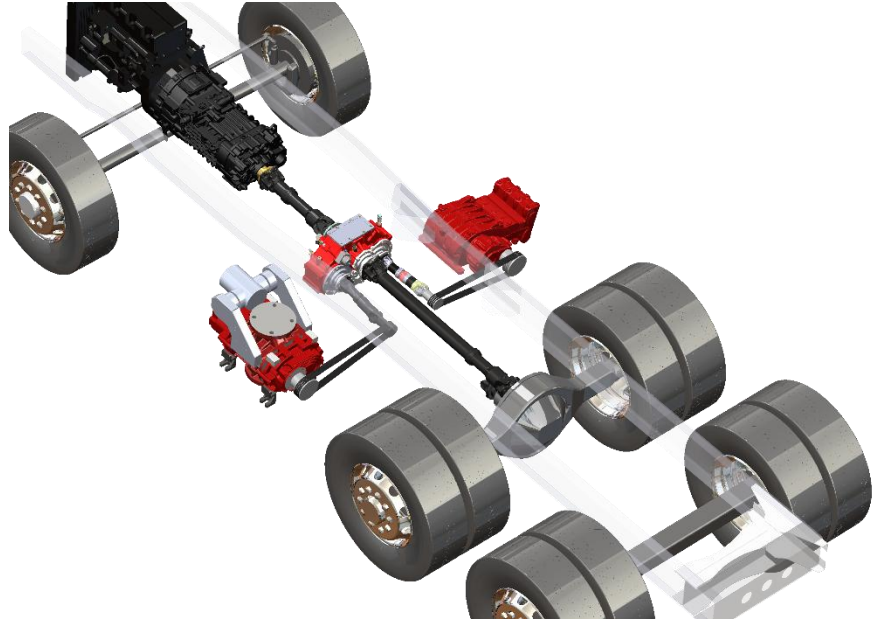
General table		
Weight	Body Material	Oil Type & Amount
190 Kg	GH190	ATF 320 & 8,7 lt

Method of Attachment to the Chassis

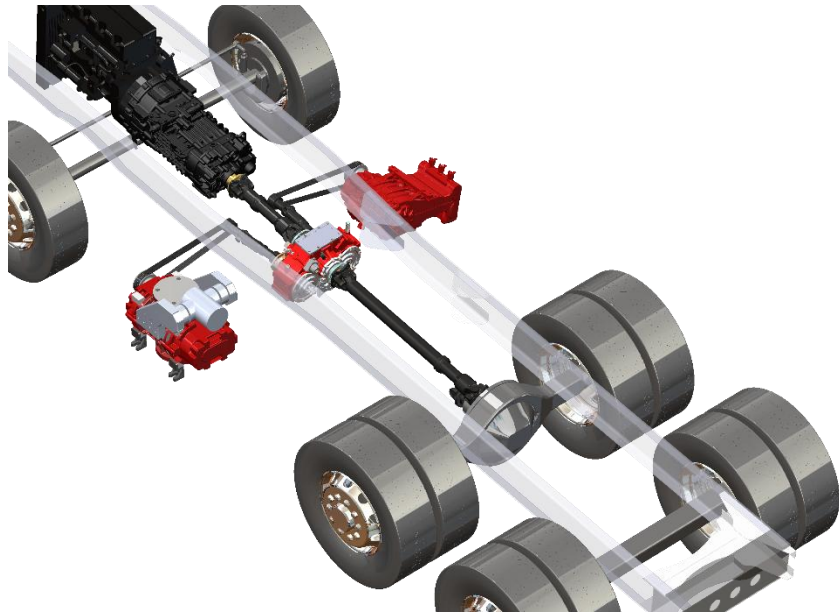
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The mounting configurations of hot-shift dual-shaft transmissions installed on the chassis vary depending on the superstructure manufacturer. Kozmaksan UARA.2400 hot-shift dual-shaft transmissions are designed to be compatible with all mounting configurations.

UARA.2400 Side Outputs:
They are positioned toward
the vehicle's differential side.



UARA.2400 Side Outputs:
They are positioned toward
the vehicle's cabin side.



Auxiliary Outputs (1st-2nd) can provide output independently of the auxiliary output direction; if desired, they can supply output to the cab side, the differential side, or both sides at once.



Main Output Types

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Diferansiyel Side Outputs

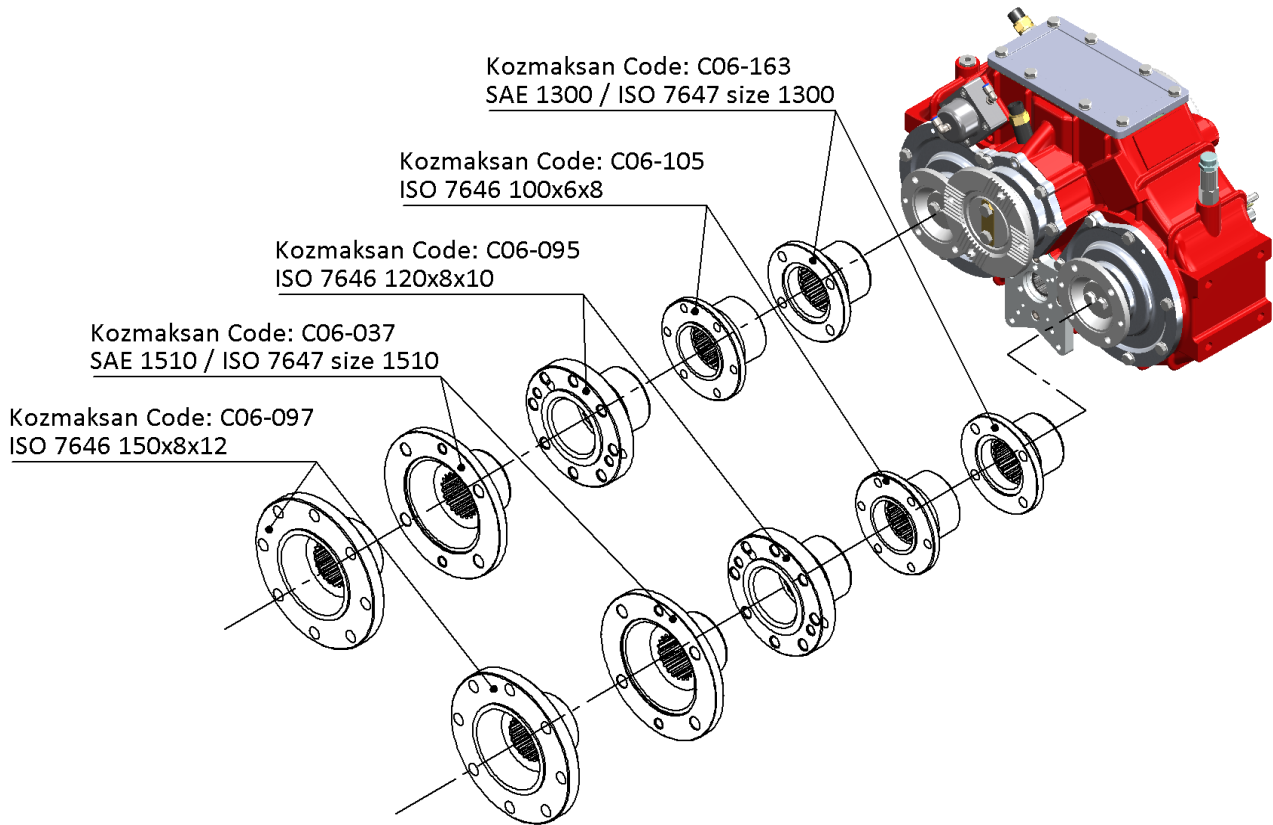
- 1) Flange Output Type
- 2) Connected to the Pump Type

Flange Output Type

Diferential Side Flange Output Type

Couplings are manufactured in accordance with the SAE J 1946, ISO 7646, and ISO 7647 standards.

(If you require a custom coupling, please contact Kozmaksan.)



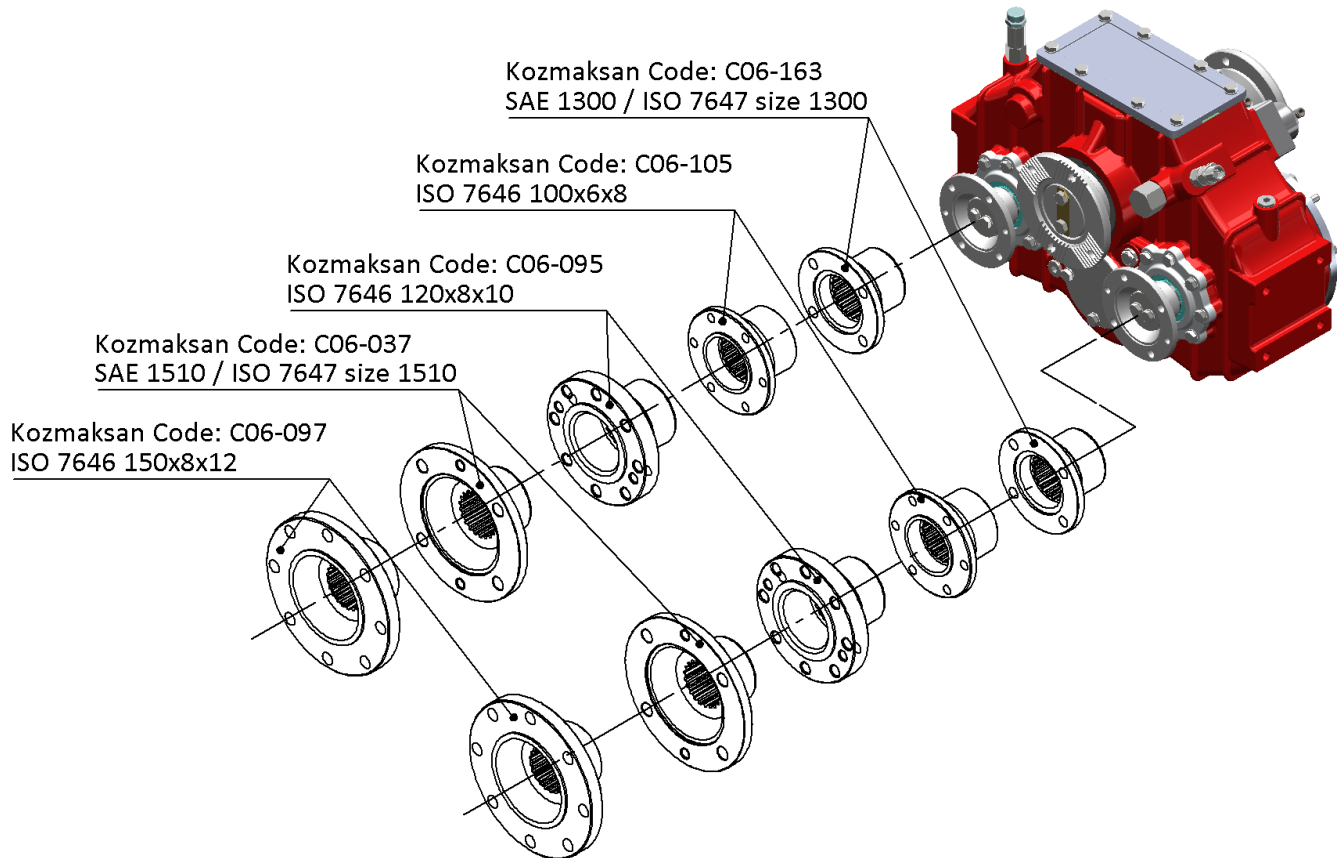
Main Output Types

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Cabin Side Flange Output Type

Couplings are manufactured in accordance with the SAE J 1946, ISO 7646, and ISO 7647 standards.

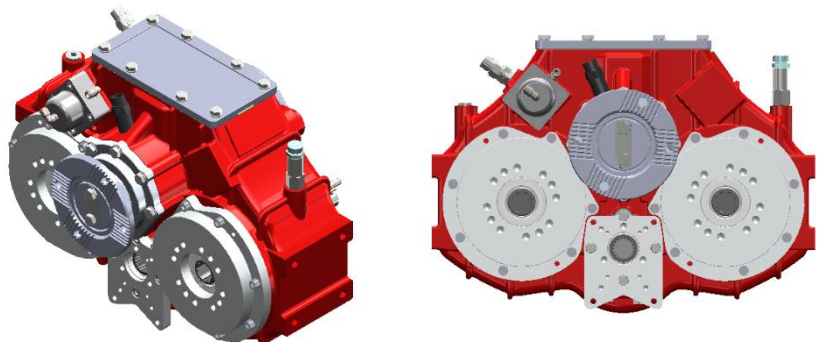
(If you require a custom coupling, please contact Kozmaksan.)



Connected to the Pump Side Output Type

Diferantial Side Connected to the Pump Output Type

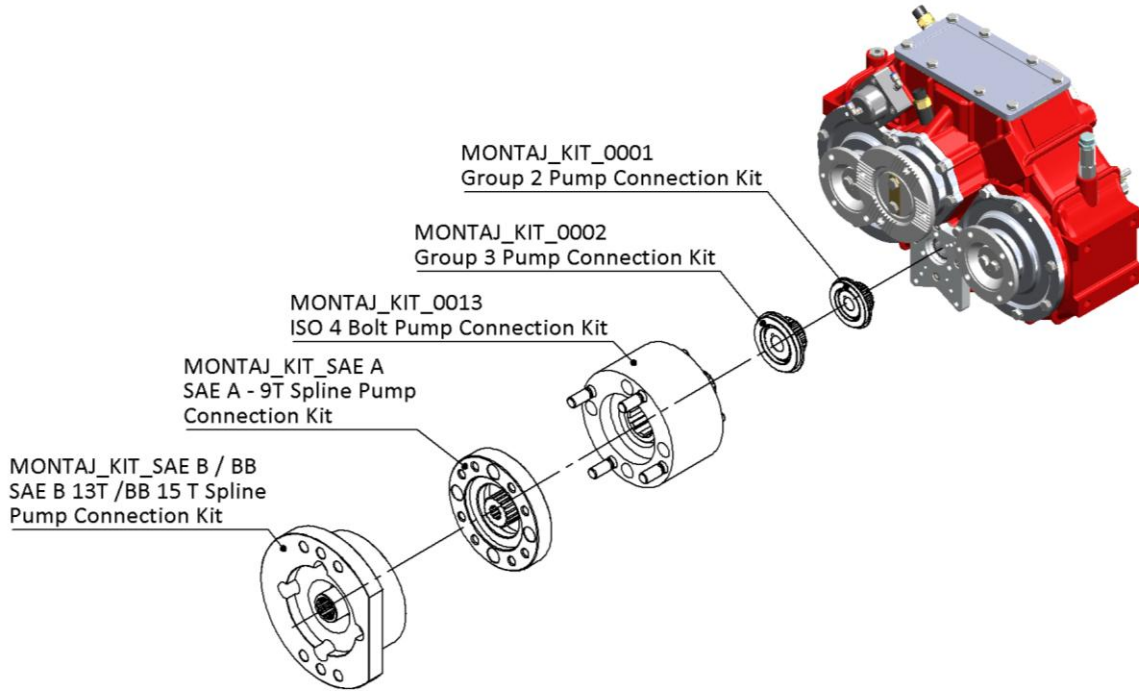
ISO 4-bolt pump connection.
The pump equipment connection surface complies with ISO 7653 standards and features a DIN 5462 spline (32x36x8) milled surface.



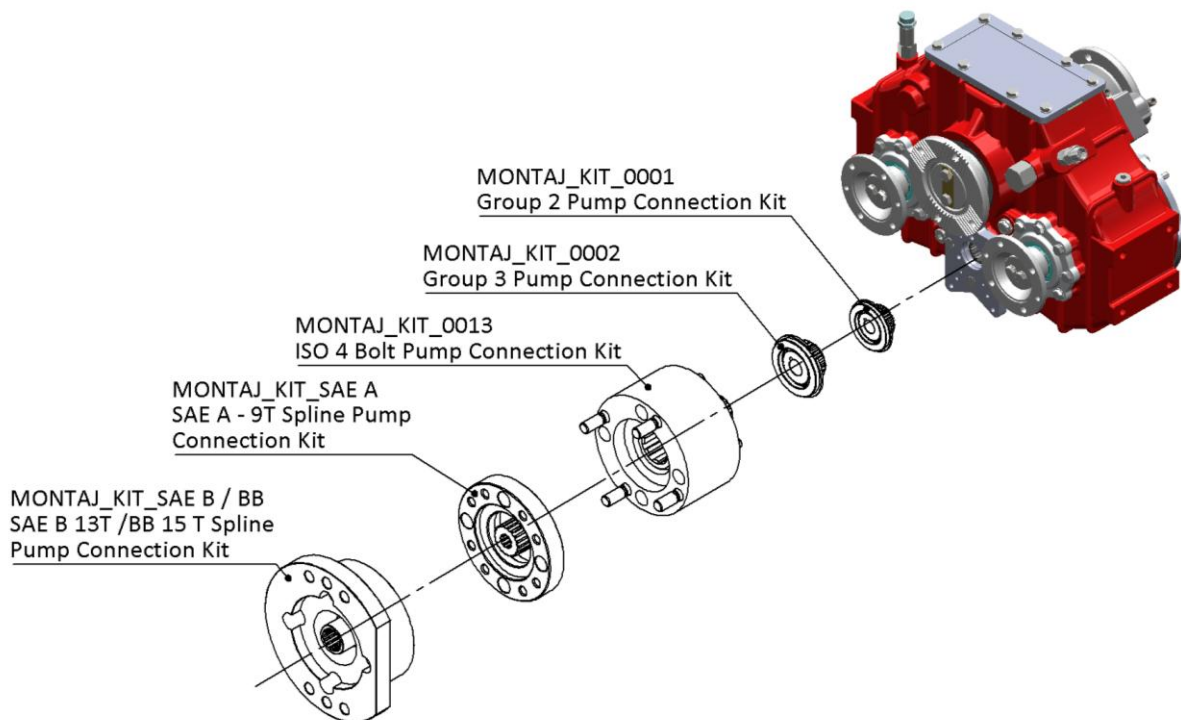
Auxiliary Output Types

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Diferantial Side Connected to the Pump Output Type



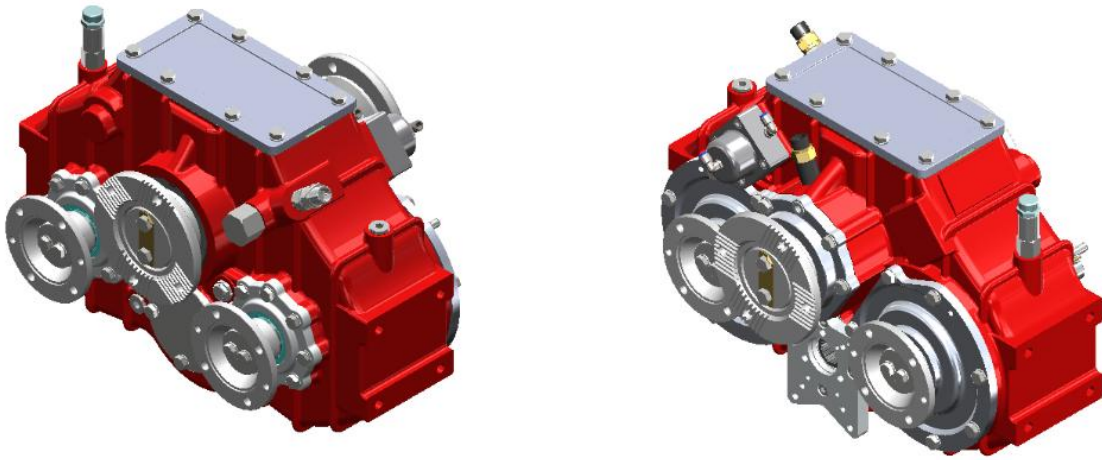
Cabin Side Connected to the Pump Output Type



Main Drive Shaft Flanges

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Main drive flanges are available for all vehicle types.



Hot Shift System Detail

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Why Choose the Kozmaksan Hot Shift System?

