# DUAL MOTOR HYDROSTATIC GEARBOX / DualSync®

**TYPE** | **VGZ 75** | **VGZ 76** | **VGZ 86** | **DualSync®**
---|---|---|---|---
Ratio $i_1$ | 1.72 – 4.04 | 3.27 – 4.03 | 4.35 – 5.02 | 1.20 – 1.88
Ratio $i_2$ | 1.33 – 2.36 | 1.07 – 1.68 | 1.81 – 2.09 | 4.00 – 5.92
Parking brake | Optional | Optional | Optional | Optional
Declutch system | Optional | Optional | Optional | Optional
Input torque [Nm] | Max. 2000 | Max. 2060 | Max. 2200 | Max. 1430
Input RPM | Max. 4500 | Max. 4500 | Max. 4500 | Max. 4750
Output torque [Nm] | Max. 6000 | Max. 8200 | Max. 10500 | Max. 8900
Hydraulic motor 1 [max. ccm] | Up to 160 | Up to 170 | Up to 210 | Up to 210
Hydraulic motor 2 [max. ccm] | Up to 160 | Up to 170 | Up to 210 | Up to 210
Output flange | DIN / MECHANICS / SPICER / in different sizes |
VGZ 75 / VGZ 76

Product features:
> Wide range of standard gearboxes shiftable in standstill
> Various motor positions possible: side by side, face to face, back to back
> Various single and two speed ratios available
> Optional parking brake and rear axle disconnect
> Well proven and reliable mechanical design

DualSync®

Product features:
> Different ratios are available for each motor
> Dual motor gearbox with hydrostatic CVT functionality
> First motor switches off when reaching its maximum speed
> Reduced losses and maximised tractive effort
> 2 operating modes
  - Simultaneous use of both motors for high tractive effort
  - High driving speeds with one motor drive

Advantages of our dual-motor gearboxes:
> Fuel savings of up to 20 %
> Jerk-free and precise travel control over the entire speed range
> Diesel engine operates at most efficient rpm range
NAF is the expert for power transmission, traction and load capacity on mobile working machines. Our gears and axles create a substantial competitive advantage in the heavy-duty off-highway industry. As a system partner we have been mastering the tasks of our market-leading customers since 1960 and invest 5% of our annual turnover into research and development.

As our customer you benefit directly from our passion for innovation that guarantees your success.

AT HOME ON 3 CONTINENTS

- 46 Supplied countries worldwide
- 15 Patents and protected innovations
- 35 Employees working in R&D/PDP
- 35,000 m² of production space in 17 halls
- 620 Employees in total
- 38,000 Components sold each year

Headquarters and production
NAF Neunkirchner Achsenfabrik AG
Weyhausenstrasse 2
91077 Neunkirchen am Brand
Germany
T: +49 9134 702-0
F: +49 9134 702-640
info@nafaxles.com

For more information about our branches in North America, France, Germany (HQ), Russia & China visit: NAFAXLES.COM