

DUAL MOTOR HYDROSTATIC GEARBOX / DualSync®



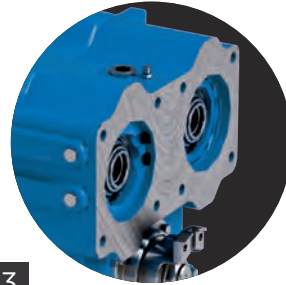
1

PARKING BRAKE



2

REAR AXLE DISCONNECT



3

DUAL MOTOR DRIVELINE

TYPE	VGZ 75	VGZ 86	DualSync®
Ratio i1	1.72 - 4.04	4.35 - 5.02	1.20 - 1.88
Ratio i2	1.33 - 2.36	1.81 - 2.09	4.00 - 5.92
Parking brake		Optional	
Declutch system		Optional	
Input torque [Nm]	Max. 2000	Max. 2200	Max. 1430
Input RPM	Max. 4500	Max. 4500	Max. 4750
Output torque [Nm]	Max. 6000	Max. 10500	Max. 8900
Hydraulic motor 1 [max. ccm]	Up to 160	Up to 210	Up to 210
Hydraulic motor 2 [max. ccm]	Up to 160	Up to 210	Up to 210
Output flange	DIN/MECHANICS/SPICER in different sizes		



VGZ 75/VGZ 86

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

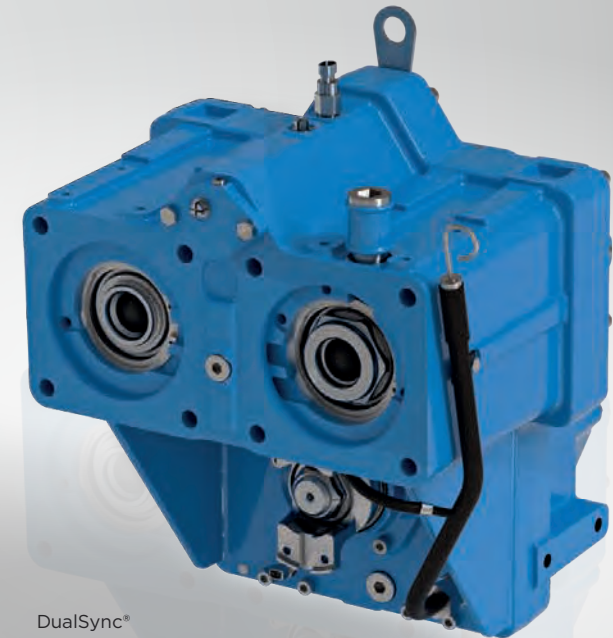
DualSync®

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



DualSync®



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



48

Supplied countries worldwide

600

Employees in total

28.000 m²

of production area

40.000

Components sold each year

18

Patents and
protected innovations

20

Employees working in
R&D/PDP

Headquarters and production

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