

SINGLE MOTOR HYDROSTATIC GEARBOX / HydroSync®



1
PARKING BRAKE



2
DIFFERENTIAL LOCK



3
REAR AXLE DISCONNECT

TYPE	VG 250	VG 35	VG 75	HydroSync®
Ratio i1	4.78	1.68 - 6.31	2.64 - 6.63	3.58
Ratio i2	1.33	0.89 - 2.13	1.06 - 2.05	1.08
Parking brake	Optional	Optional	Optional	Optional
Declutch system	Optional	Optional	Optional	Optional
Differential lock	-	Optional	-	-
Input torque [Nm]	Max. 700	Max. 1100	Max. 1600	Max. 1180
Input RPM	Max. 4500	Max. 4500	Max. 4500	Max. 3500
Output torque [Nm]	Max. 2500	Max. 6000	Max. 8000	Max. 5000
Hydraulic motor size [max. ccm]	Up to 135	Up to 170	Up to 250	Up to 165
Output flange	DIN / MECHANICS / SPICER / in different sizes			
Driven by	Directly attached hydraulic motor / flange			



VG 250 / VG 35 / VG 75

Product features:

- > Wide range of standard gearboxes, shiftable in standstill
- > Various single and two speed ratios available
- > Optional parking brake and rear axle disconnect
- > Low space requirements
- > High overall efficiency

HydroSync®

Product features:

- > HydroSync® is an upgrade of the VG 35 standard gearbox
- > Load-free shifting procedure thanks to electro-hydraulically synchronised gears
- > Shifting procedure can be triggered on demand or automatically
- > Drivetrain is brought to no load by adjusting the pump and motor
- > Transmission is disengaged into the neutral position
- > Hydraulic transmission is then adjusted to the new ratio of the selected gear
- > The required gear is selected and the normal drive programme continues
- > Highly cost-efficient HydroSync® solution

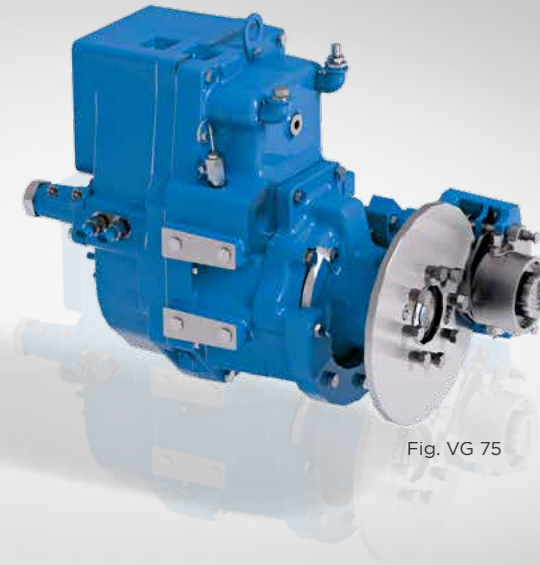


Fig. VG 75

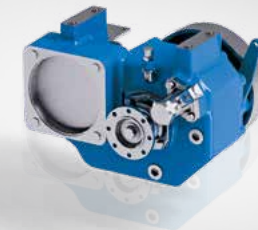


Fig. VG 250



Fig. VGD 35



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

620

Employees in total

35.000 m²

of production space in 17 halls

38.000

Components sold each year

15

Patents and
protected innovations

35

Employees working in
R&D/PDP

Headquarters and production

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