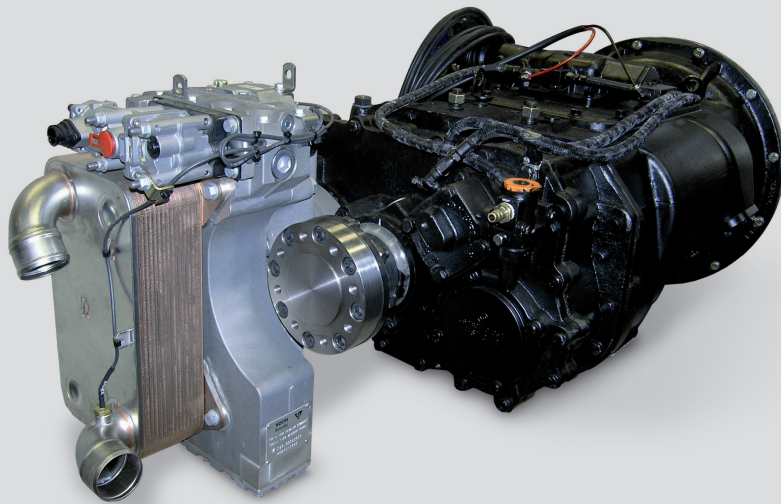


Voith Turbo

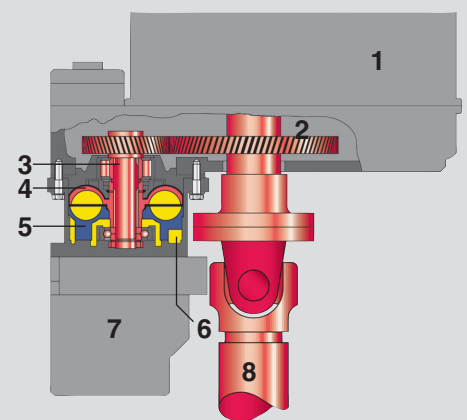
VOITH

Voith Retarder VR 115 FG Fast Gear



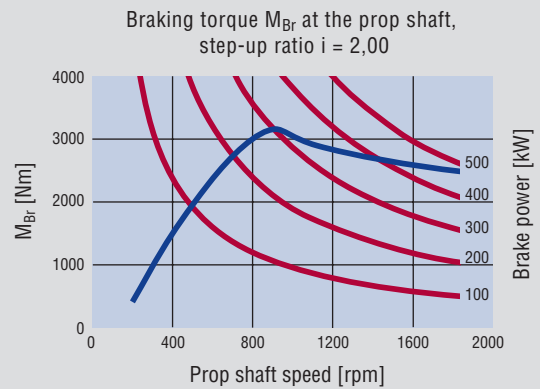
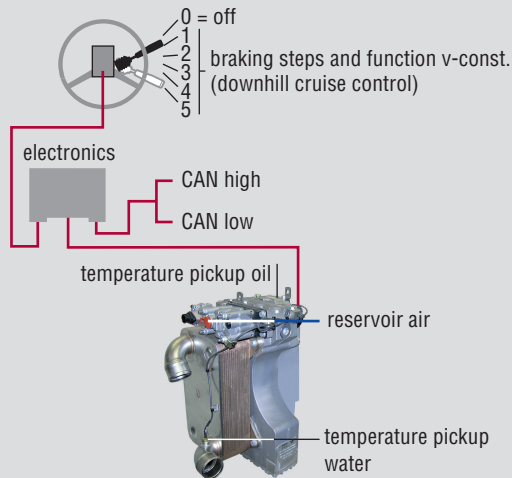
Technical Data

Step-up ratio	$i = 2.00$	$i = 1.85$
Max. nominal braking torque at the retarder shaft	1600 Nm	1600 Nm
Max. nominal braking torque at the prop shaft	3200 Nm	2960 Nm
Maximum speed at the prop shaft	2500 rpm	2700 rpm
Standard operation	5-stage hand-brake switch + function v-const. (downhill cruise control), option: foot control	
Operating medium	oil (see fuel specification)	
Control medium	compressed air	
Supply air pressure	6.5–11 bar	
Unit weight incl. heat exchanger without operating medium	approx. 70 kg	
Nominal voltage	24 V	
Current consumption	max. 1.0 A	
CAN-Bus-specific electronic control system	VERA	

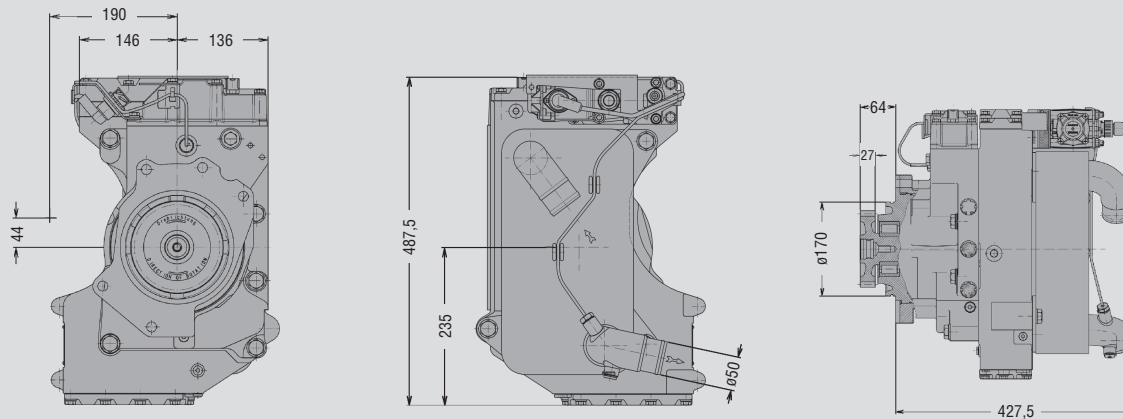


- | | |
|----------------|---|
| 1 gearbox | 6 gearbox-independent oil supply system |
| 2 step-up gear | 7 heat exchanger (stainless steel) |
| 3 input shaft | 8 prop shaft |
| 4 rotor | |
| 5 stator | |

VERA Control system



Dimensions



Product features

- integrated step-up ratio retarder
- direct standard power take-off (P.T.O.) possible, without modification
- emergency steering pump and tachometer pick-off are not impaired
- standard prop shaft length not affected by the retarder

VOITH
Engineered reliability.

Voith Turbo Power Transmission
Company Ltd. (Shanghai)
265 Hua Jin Road
201108 Shanghai, China
Tel. +86 21 64428686
Fax +86 21 64428610
www.china.voithturbo.com