

Voith Turbo

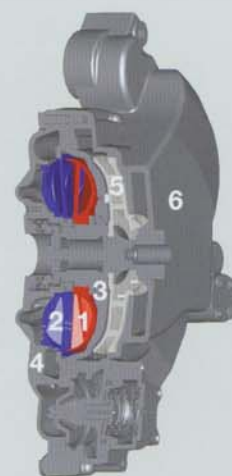
VOITH

Voith Aquatarder® WR 190



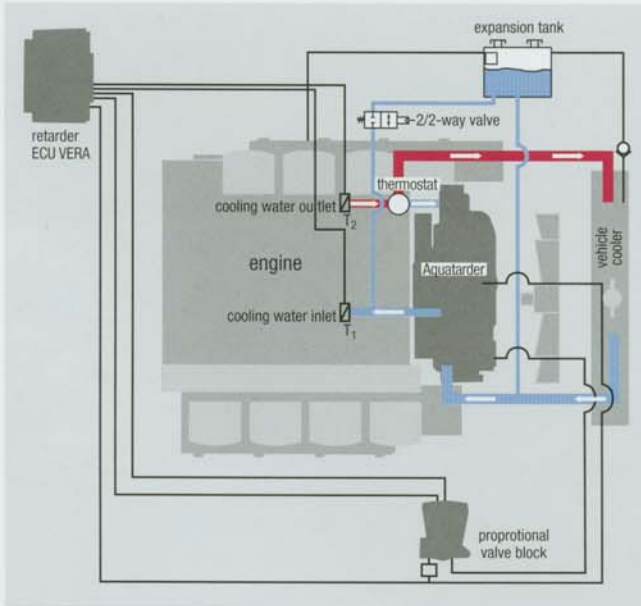
Technical data

Max. nominal braking torque at crank shaft	1450 Nm
Maximum speed Aquatarder®	2500 rpm
Operation	choice of operating lever or brake pedal
Operating medium	Cooling fluid mix 50 % water and 50 % BASF Glysantine G 48
Control medium	compressed air
Air reservoir pressure	7–10 bar
Unit weight	approx. 32 kg
Nominal voltage	24 V
Current consumption	2.0 A
CAN-Bus-specific electronic control system	VERA

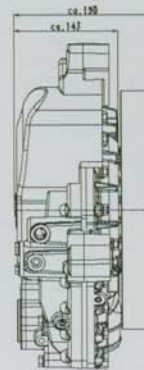
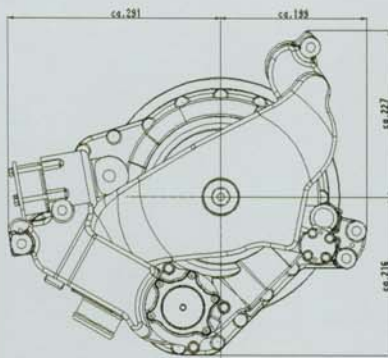
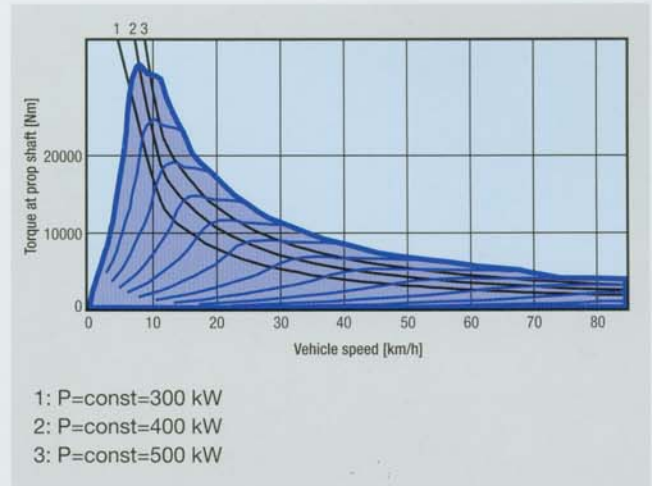


- 1 rotor
 - 2 stator
 - 3 rotor housing
 - 4 stator housing
 - 5 water pump
 - 6 pump housing
- rotor
■ stator
■ water pump

Operating and control diagram (example):



Braking effect Aquatarder and engine brake (example):



Product features

- high braking effect across the entire speed range
- high specific power
- no additional maintenance
- compact design
- water pump function
- installed at engine side/ primary retarder

Voith holds the following US patents:

no. 5,657,838; no. 5,758,619; no. 5,819,697; no. 5,657,723;
no. 5,613,472; no. 6,267,705; no. 6,090,010; no. 5,799,008.

VOITH
Engineered reliability.

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