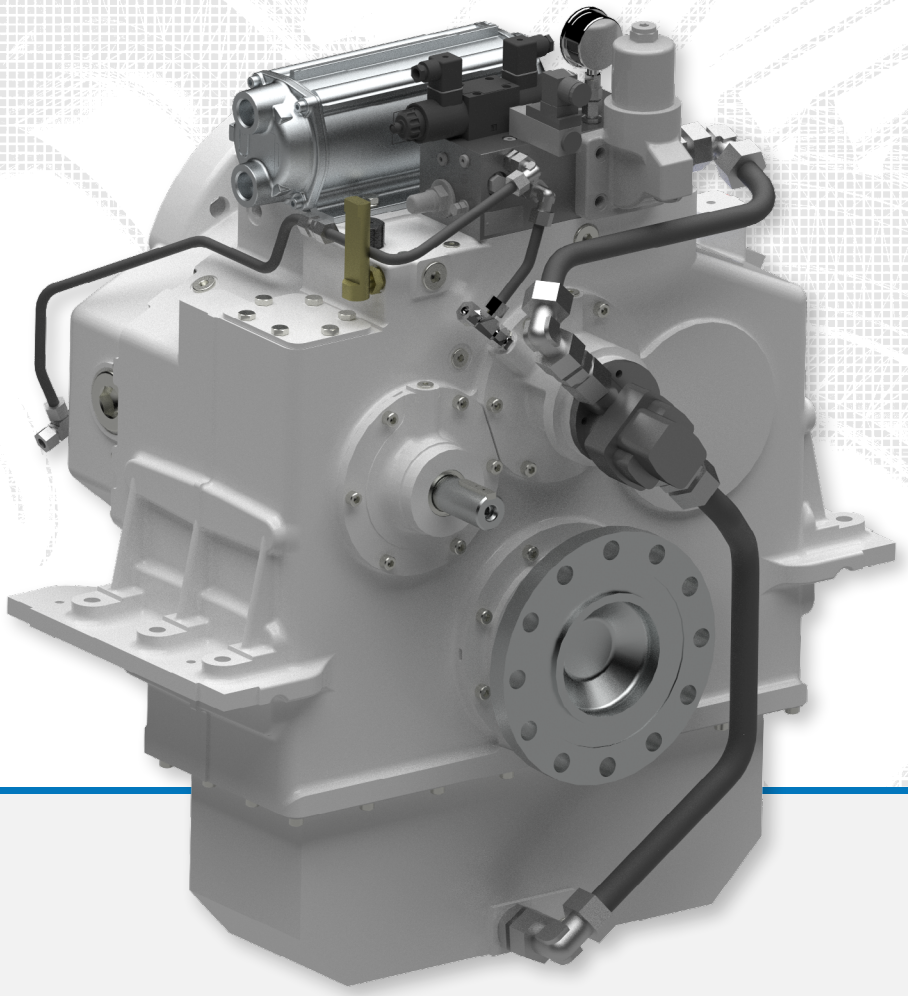
REINTJES
POWERTRAIN SOLUTIONS

Gearbox

WF Series



QUALITY
MADE IN
GERMANY

WF Series

Strong, Light, Small

Robust, efficient and sustainable, the new REINTJES WF series fulfils the requirements for modern propulsion concepts with increased input speeds and higher reduction ratios.

The new WF range consists of nine modular designed sizes with reduction ratios up to 8:1 with highest modularity for quick and easy configuration.

The future of CO2 efficient combinations of engines with electric drives and batteries has already started. To enable propulsion systems to operate with their best efficiency, hybrid solutions are already considered in standard designs with modularized power-take-out and power- take-in options (PTO/PTI).

To cover the increasing power demands of hydraulic pumps and generators on board, REINTJES PTO (power-take-out) options are available with higher torque capacity.

Fit For Future

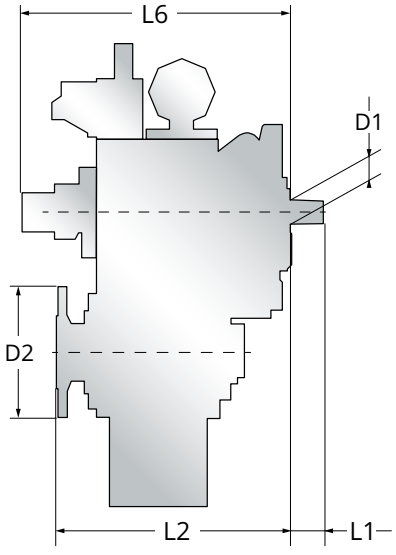
The REINTJES standardized PTO/PTI options allows retrofits of auxiliary drives or even an upgrade to a hybrid system.

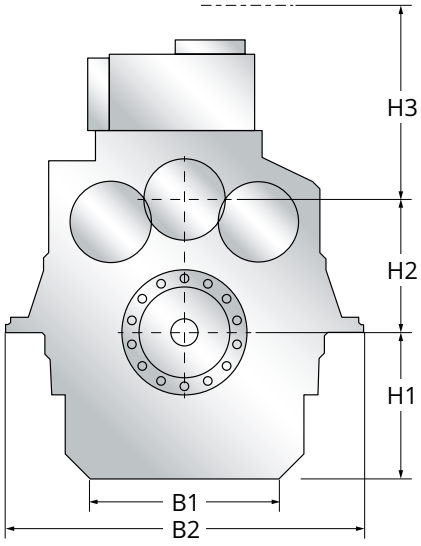
The REINTJES multi-plate clutch ensures trouble-free operation with fast and smooth clutch control. This is based on the well-known REINTJES lamella clutch design which is proven in thousands of applications.

- More power at lower weight and space volume is saving cost and increasing payload
- Increased input speeds and higher reduction ratios. Lower propeller speed rotations enhances efficiency, saving fuel
- PTO/PTI options available with high torque capacity
- Fit for future allowing retrofit of a hybrid system in situ (PTO/PTI retrofit possibility)

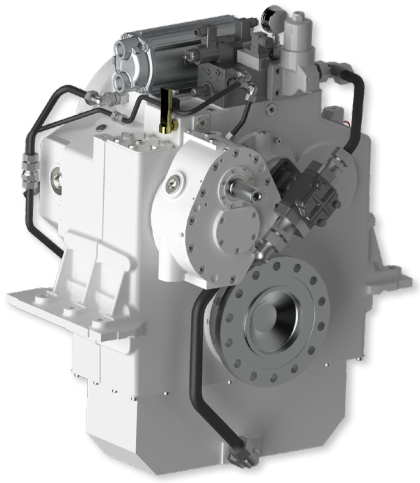
The REINTJES WF series is engineered and optimized, using newest technologies and components while keeping up REINTJES values of quality and robustness.

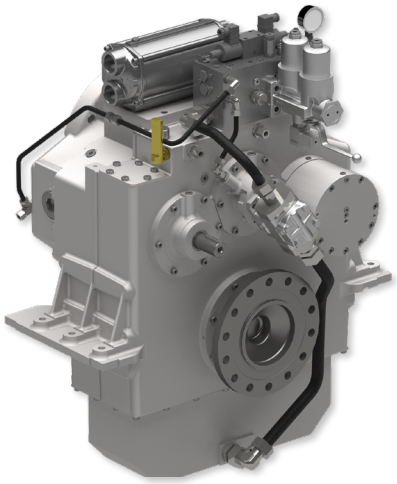
Name	WF 350	WF 370	WF 380	WF 450	WF 470
Input Speed	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm
Input Torque (C-duty)	Max. 0.34 kW/ rpm w/o class, with class according to database	Max. 0.34 kW/ rpm w/o class, with class according to database	Max. 0.34 kW/ rpm w/o class, with class according to database	Max. 0.48 kW/ rpm w/o class, with class according to database	Max. 0.48 kW/ rpm w/o class, with class according to database
Dimensions (mm)					
B1	490	490	586	404	404
B2	910	930	1216	1096	1096
D1	60	60	60	70	70
D2	285	325	345	325	345
H1	365	380	470	413	423
H2	282	346	418	310	380
H3	528	524	542	550	550
L1	69	69	69	80	80
L2	601	587	639	634	697
L6	790	800	790	865	681
Weight (dry)	670 kg	730 kg	1180 kg	830 kg	1100 kg
Oil	25 l	25 l	28 l	30 l	30 l
Reduction Ratios	4.190 4.737 5.056	5.381 6.053 6.444	6.714 7.526 8.000	4.190 4.737 5.056	5.318 6.053 6.444

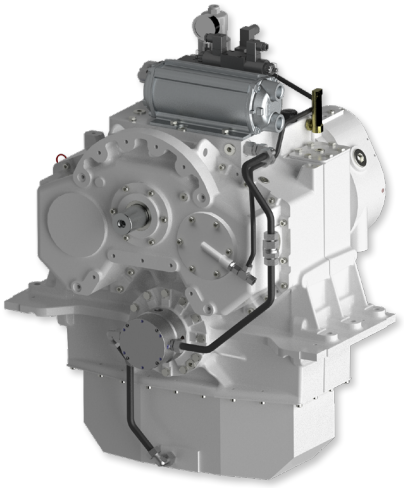




Name	WF 480	WF 550	WF 570	WF 580
Input Speed	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm	Nominal 1600-2300 rpm
Input Torque (C-duty)	Max. 0.48 kW/ rpm w/o class, with class according to database	Max. 0.63 kW/ rpm w/o class, with class according to database	Max. 0.63 kW/ rpm w/o class, with class according to database	Max. 0.63 kW/ rpm w/o class, with class according to database
Dimensions (mm)				
B1	716	654	784	790
B2	1286	924	1188	1358
D1	70	75	75	75
D2	420	345	420	420
H1	520	440	385	540
H2	460	339	415	500
H3	549	571	575	575
L1	80	97	97	97
L2	713	755	768	773
L6	815	985	985	985
Weight (dry)	1500 kg	1200 kg	1450 kg	1850 kg
Oil	30 l	40 l	40 l	50 l
Reduction Ratios	6.714 7.526 8.000	4.190 4.737 5.056	5.381 6.053 6.444	6.714 7.526 8.000





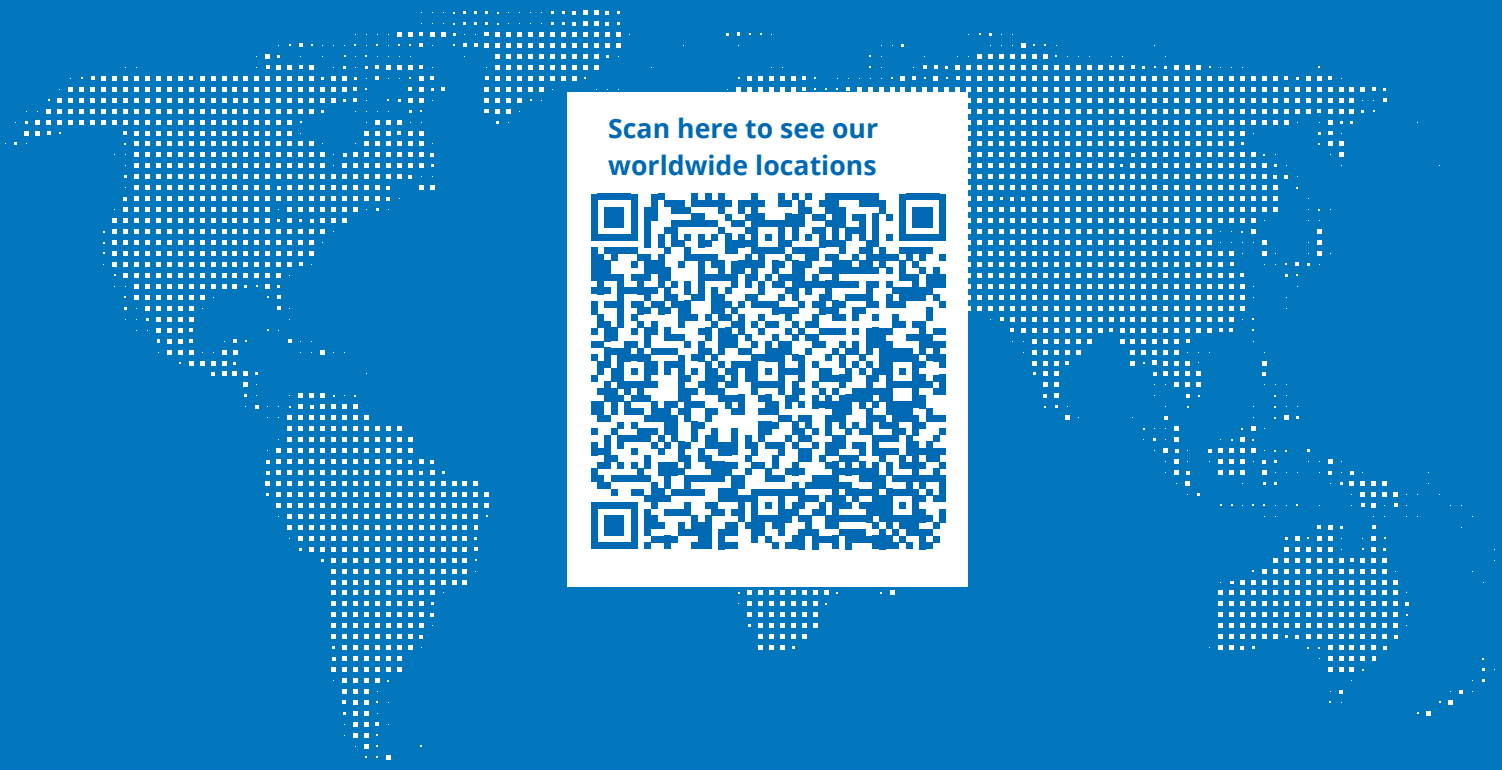


Standard

- Grey cast iron single piece housing
- Helically toothed spur gears, case hardened and flank ground
- Built-in hydraulically operated REINTJES disc clutches with steel/sintered friction surface
- Built-in propeller thrust bearing
- Smooth engagement by optimised pressure curve during shifting
- Full power transmission in both senses of rotation
- Integrated oil sump with common circuit for control and lubrication system. Oil pump, oil filter and oil cooler accessible from outside
- Integrated, seawater resistant oil cooler for cooling water inlet temperature up to 32 °C
- Input shaft end with 1:30 taper
- Forged-on output shaft flange
- Paint finish with synthetic resin varnish in RAL 7001 colour silver grey
- Electric control valve
- Free standing (no SAE housing)
- Rigid foundation with cast mounting feet
- Supervision acc. to REINTJES standard

Options: Earliest delivery times stated seperately

- Non controllable PTO K21 P/N max 0.06 kW/rpm
- Engine bell housing SAE 1
- Engine bell housing SAE 0
- High flexible elastic coupling
- Mechanical control valve
- Mechanical trailing pump
- Electrical stand-by pump
- Split seal at output shaft
- Foundation bracket bolting interface
- Output counter flange
- Connection points for supervision acc. class
- Single screw application
- Oil cooler 38 °C water inlet temperature
- Drawing approval acc. classification society
- Type approval
- Full class according classification society incl. supervision



REINTJES GmbH
Eugen-Reintjes-Straße 7
31785 Hameln
Germany

E-Mail: info@reintjes-gears.de
Phone: +49 5151 1040

www.reintjes-gears.com

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