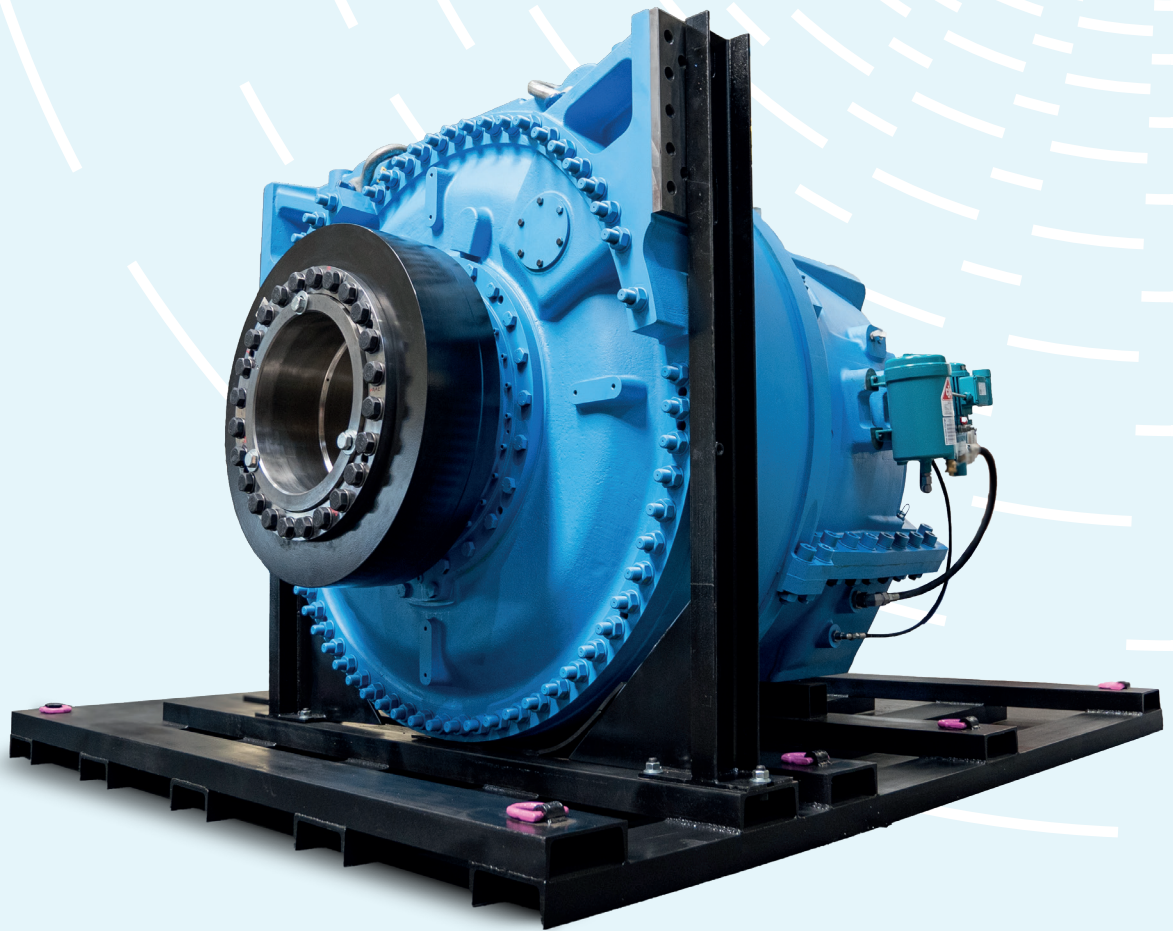


FAMUR Gearo

Future Ready
Industry



GearoX 2.0

The GearoX 2.0 gearbox is a universal main gearbox for wind turbines up to 2MW nominal power.

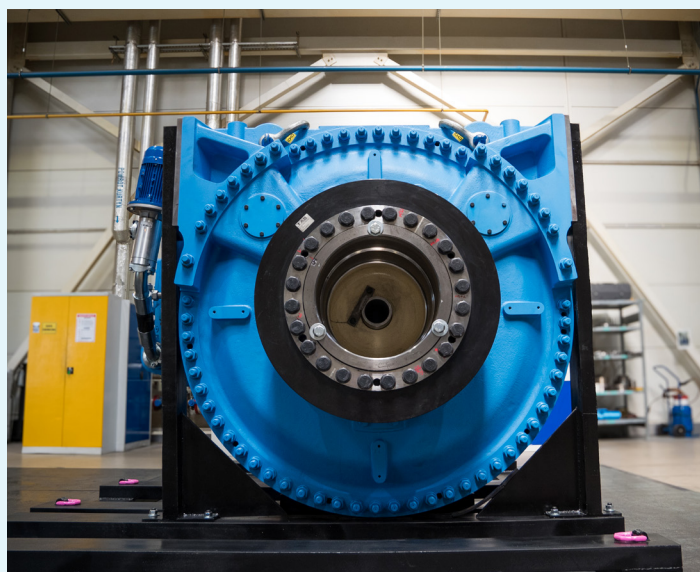
It is compatible with many types of wind turbines made by Vestas and Siemens Gamesa. It employs a classical split of the cylindrical body (along the axis of the shafts), which enables a wide range of up-tower service operations. It has a mechanical oil pump built into the HSS shaft axis and is designed to accommodate an external electric pump.

In addition, it can be equipped with a precision bypass filtration system. It is adapted for the installation of vibrodiagnostic systems and advanced CMS-class systems. Structurally, the gearbox complies with the requirements of IEC 61400-4.

Gearbox Specification

Parameter	Value	
Rated power	2000 kW	
Nominal input shaft speed	od 14.09 do 18.1 rpm	
Range of gear ratios	Standard	Specialized
	92.57	92.31
	100.54	106.81
	110.88	112.84
	113.26	
	120.82	
Weight	15350 kg	
Oil volume	310 l	
Temperature inside the nacelle	-20°C do +45°C	
Gearbox replacement	Bosch Rexroth GPV 442 Gamesa GE2000PL ZF/Hansen EH804 ZF/Hansen EH802 Moventas PLH 1400.2 Winergy PEAB 4435.2, 4435.4, 4435.6 Vestas V80 Vestas V90 Vestas V100 Gamesa G80 Gamesa G87 Gamesa G90 Gamesa G97	
Can be used in turbines:		

Photos



Auxiliary Components on the Gearbox

Sl. No.	Component Name	Specification	Photos	Quantity
1	Electric Motopump	Brand : Settima		1
2	Offline filter	Brand: C.C. Jensen		1
3	Mechanical Pump	Brand: Rickmeier		1
4	Temperature sensors	TType: PT100 / PT1000 (according to the turbine configuration) Installation points: High Speed Shaft (HSS) Rotor Side Baring - 1Qty High Speed Shaft (HSS) Generator Side Baring - 1/2Qty Oil Sump - 1Qty		3 (4)
5	Float-type oil level sensor Optical oil level indicator			1
6	Oil immersion heaters	Electrical Power: 2x 980W, 1x 650W Voltage: 690V		3
7	Complete electrical equipment	Compatible with installed turbine		1
8*	Intercooler	*Optional, at the request		1
9*	Mechanical Shrink Disc	*Optionally, upon customer request, a mechanical or hydraulic seal can be applied		1

