

The following are included in a complete OZecoDrive system

Item	OZquickShift system	OZspeedShift system
OZ motor	✓	✓
OZ motor mounting, complete with bolt plates and shims. Stainless steel (A4)	✓	✓
OZ axel coupling	✓	✓
Propeller axel, l=1,5 m, ø=25 mm	✓	✓
OZfoldProp, two bladed foldingpropeller from FlexoFold	✓	✓
OZ sacrificial node, anti growth, long life	✓	✓
OZ demounting tool for the propeller	✓	✓
OZ axel sealant, complete, no oil or other lubricants	✓	✓
OZ axel pipe in stainless steel (A4) and cornet	✓	✓
OZ axel bearing, low friction bearing, ø _o =38 mm, ø _i =25 mm, l=40 mm	✓	✓
OZquickShift, controller and lever. Patented electro mechanical controller with integrated motor fuse/automatic breaker unit.	✓	
OZecoCharge, Patented propeller charging electronics which makes regeneration with a folding propeller possible	✓	
OZspeedShift, controller and lever		✓
Customized cabling to the drive system (50 mm ²)	✓	✓
Battery monitor. tbs electronics, e-xpert pro with “% left”, “Time to go” etc	✓	✓
Shore power system OZ package 12 V/50 A or 24 V/25 A. ”plug and Play” from CTEK	✓	✓

The following combinations of motor and controllers are available

Controller	Motor	Power P _{max} /P _{cont} (kW)	Motor voltage (V)	Battery voltage (V)	Control technique	Speed control	OZecoCharge ¹ compatible
OZquickShift	OZsingle	4,8/3,6	24	12	Electro mechanics	3 ahead, 2 astern	Yes
OZspeedShift	OZsingle	4,8/3,6	24	24	Power electronics	5 ahead, 5 astern	No
OZquickShift	OZtwin	9,6/5,8	24	12	Electro mechanics	3 ahead, 2 astern	Yes
OZquickShift	OZtwin	9,6/5,8	48	24	Electro mechanics	3 ahead, 2 astern	Yes
OZspeedShift	OZtwin	9,6/5,8	24	24	Power electronics	5 ahead, 5 astern	No
OZspeedShift	OZtwin	9,6/5,8	48	48	Power electronics	5 ahead, 5 astern	No

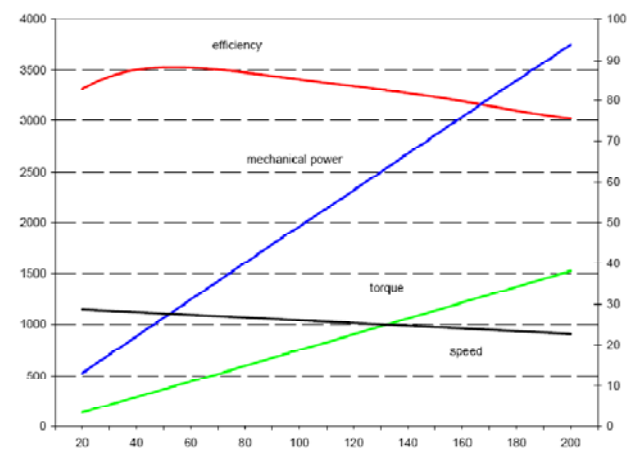
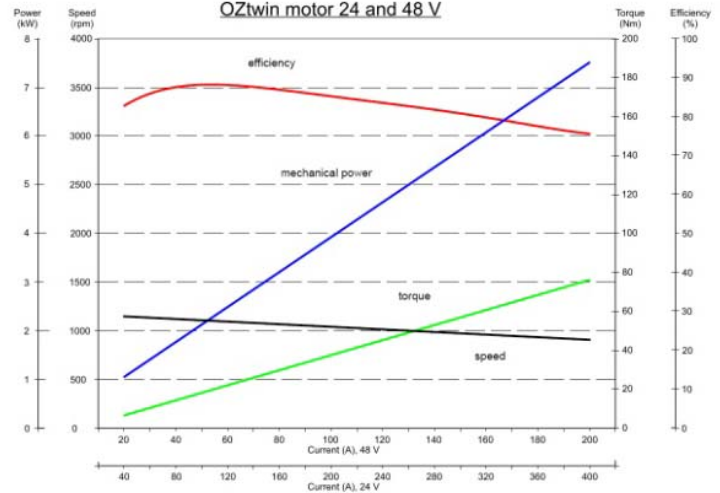
¹ OZecoCharge makes regeneration while sailing possible with both a standard and folding propellers. Regeneration with the OZspeedShift controller is only possible when a standard propeller is used.



Performance

Boat	Motor	Propeller (inches)	Battery bank (Ah/12 V)	Run time at "Economy speed"	Run time at "Full speed"	Static thrust (kp)	Regeneration at 4-5-6 knots
8 m, 3 tons	OZsingle	14×8	400	3½ knots in 7½ hours	5½ knots in 45 minutes	100	2-4-10 A at 12 V
10 m, 5 tons	OZtwin	15×10	600	4 knots in 5½ hours	6 knots in 35 minutes	150	3-6-15 A at 12 V

Technical data

	OZ single	OZtwin
Weight (kg)	14	32
Maximal static thrust (kp)	100	170
Comparable thrust	10 hp diesel	17 hp diesel
Speed, Efficiency, Mechanical power and Torque		

Measurements OZ motor mountings

OZsingle, Standard

OZsingle, Slim

OZtwin

