

Sail-Drive fixed

Engine

The heart of the system is the electric motor. The drive must work powerful, reliable, quiet and maintenance-free. For Krätzler Sail-Drive only maintenance-free AC technology is used. This technique is characterized by a very long life and is robust to adverse environmental conditions.



Controller

With the comfortable single-lever controller a variable speed control in forward and reverse drive is possible. The high-quality electric controller works almost without loss and protects your valuable battery pack against too deep discharge. With the modern controller we have the possibility to adapt the drive system optimally to your ship.

Gearbox

Krätzler builds the Sail-Drive-gearbox itself. Why? The gearbox has to be quiet, because only a quiet and smooth running gearbox has the best efficiency. For this reason, only spiral-toothed, polished and paired bevel gears are used. For use in salt or brackish water a bronze gearbox housing is used.

Easy to install

The most Sail-Drives are supplied with a fiberglass foundation base, which can be laminated to the hull (depending on motor size). For this reason, the installation effort is kept to a minimum. For existing fiberglass foundations such as "Volvo" and "Yanmar" the Sail-Drive is equipped with a mounting plate and can be screwed directly on the existing foundation.

Article no.	Type	Power consumption	Power output	Voltage	Current	Total efficiency	Weight	up to boat weight	
								Sailing boat	Powerboat
105954	SDK 2,0 AC	2,5 kW	2,0 kW	24 V	104 A	80 %	42 kg	2,0 t	-
105620	SDK 3,0 AC	3,6 kW	3,0 kW	36 V	100 A	83 %	42 kg	3,0 t	-
105622	SDK 4,0 AC	4,7 kW	4,0 kW	48 V	99 A	84 %	42 kg	4,0 t	-
130094	SDK 2,5 AC	3,1 kW	2,5 kW	24 V	130 A	80 %	45 kg	2,5 t	1,0 t
130099	SDK 3,5 AC	4,1 kW	3,5 kW	36 V	115 A	85 %	45 kg	3,5 t	1,4 t
105682	SDK 4,3 AC	5,0 kW	4,3 kW	48 V	104 A	85 %	45 kg	4,3 t	1,7 t
138050	SDK 5,0 AC	6,0 kW	5,0 kW	48 V	124 A	85 %	45 kg	5,0 t	2,0 t
141156	SDK 6,0 AC	7,1 kW	6,0 kW	48 V	148 A	85 %	45 kg	6,0 t	2,4 t
138981	SDKH 8,0 AC	9,4 kW	8,0 kW	48 V	196 A	85 %	80 kg	8,0 t	3,2 t
140393	SDKH 11,0 AC	13,0 kW	11,0 kW	48 V	270 A	85 %	91 kg	11,0 t	4,4 t
	SDKH 18,5 AC	21,0 kW	18,5 kW	96 V	219 A	88 %	91 kg	18,5 t	7,4 t
water cooled									
143970	SDKH 15,0 AC	17,7 kW	15,0 kW	48 V	370 A	85 %	91 kg	15,0 t	6,0 t
	SDKH 20,0 AC	23,1 kW	20,0 kW	48 V	480 A	88 %	101 kg	20,0 t	8,0 t
140380	SDKH 25,0 AC	28,4 kW	25,0 kW	96 V	296 A	88 %	101 kg	25,0 t	10,0 t
possible options									
	SDK unlimited for seawater = SDKS								
103420	base-plate for lamination for SDKH								
000279	Sail-Drive with recuperation								
	Mounting plate for various existing foundations such as Volvo, Yanmar, Yamaha, etc								
	Control unit KCU 3.5								
	Control unit KCU 5.7 for passenger ships with the possibility to connect a camera								
141590	Camera for KCU 5.7								
143350	Heat exchanger for 2-circle water cooling								
	Boost function 30% performance increase for 2 minutes								



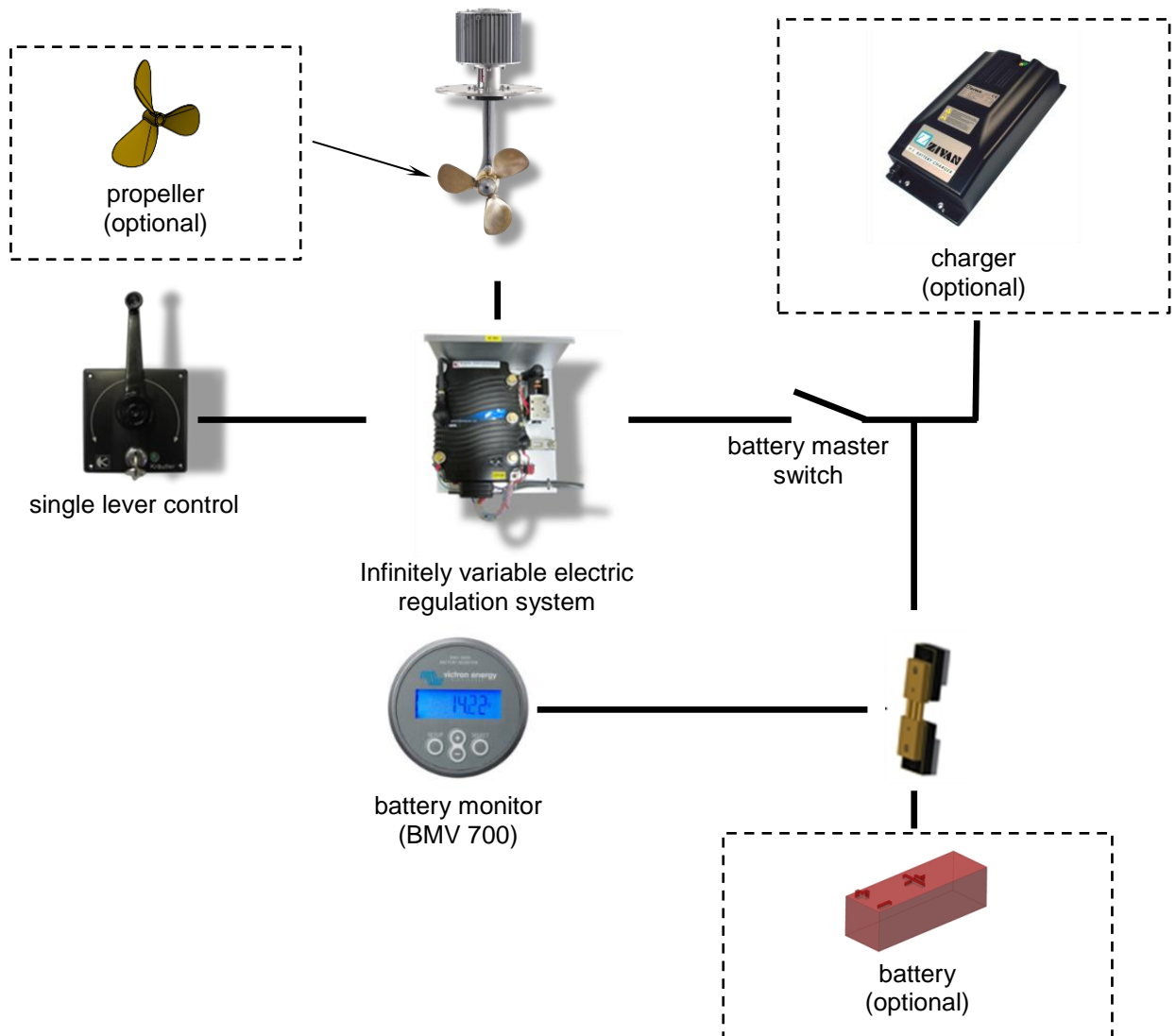
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All electric drives with Sail-Drive gear consist of:

- Motor with appropriate Sail-Drive gear
- Base plate for lamination (depending on motor size)
- Electric regulation system mounted on an aluminium base plate with fuse and cut-off relay
- Single lever control (throttle) for panel mounting in standard version with key switch, status LED, black front panel, black aluminium lever and mounting screws
 - Special designs at additional cost
- Cable set: controller-battery 3m, controller-motor 1,5m, controller-single lever control 5m
 - Optional cable lengths at additional cost
- Battery master switcher and battery fuse
- Battery monitor BMV 700 or BMV 700H with shunt and 10m connecting cable

ATTENTION: The SDK - Drives are only for short using in seawater

ATTENTION: Water cooled drives are only useable in seawater with 2-circle water cooling.



More information can be found in our catalog.
www.kraeutler.at/motoren/bootsmotoren

