

Sail-Drive mechanical rotatable

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.



SDK-D
2,5 - 6,0 AC



SDKH-D
8,0 - 18,5 AC



SDKH-D
15,0 - 25,0 AC

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 Sail-Drive is 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 foundations such as "Volvo" and "Yanmar" the Sail-Drive is equipped with an adapter 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
130249	SDK-D 2,5 AC	3,1 kW	2,5 kW	24 V	130 A	80 %	52 kg	-	-	1,0 t
137258	SDK-D 3,5 AC	4,1 kW	3,5 kW	36 V	114 A	85 %	52 kg	-	-	1,6 t
105944	SDK-D 4,3 AC	5,0 kW	4,3 kW	48 V	104 A	85 %	52 kg	-	-	1,7 t
139199	SDK-D 6,0 AC	7,1 kW	6,0 kW	48 V	148 A	85 %	52 kg	-	-	2,4 t
138982	SDKH-D 8,0 AC	9,4 kW	8,0 kW	48 V	196 A	85 %	83 kg	-	-	3,2 t
140394	SDKH-D 11,0 AC	13,0kW	11,0 kW	48 V	270 A	85 %	94 kg	-	-	4,4 t
139624	SDKH-D 18,5 AC	21,0 kW	18,5 kW	96 V	219 A	88 %	94 kg	-	-	7,4 t
water cooled										
143353	SDKH-D 15,0 AC	17,7 kW	15,0 kW	48 V	370 A	85 %	97 kg	-	-	6,0 t
	SDKH-D 20,0 AC	23,1 kW	20,0 kW	48 V	480 A	88 %	104 kg	-	-	8,0 t
140381	SDKH-D 25,0 AC	28,4 kW	25,0 kW	96 V	296 A	88 %	104 kg	-	-	10,0 t
possible options										
	SDK-D unlimited for seawater = SDKS-D									
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									
102065	Fin for SDK-D									
143350	Heat exchanger for 2-circle water cooling									
	Boost function 30% performance increase for 2 minutes									



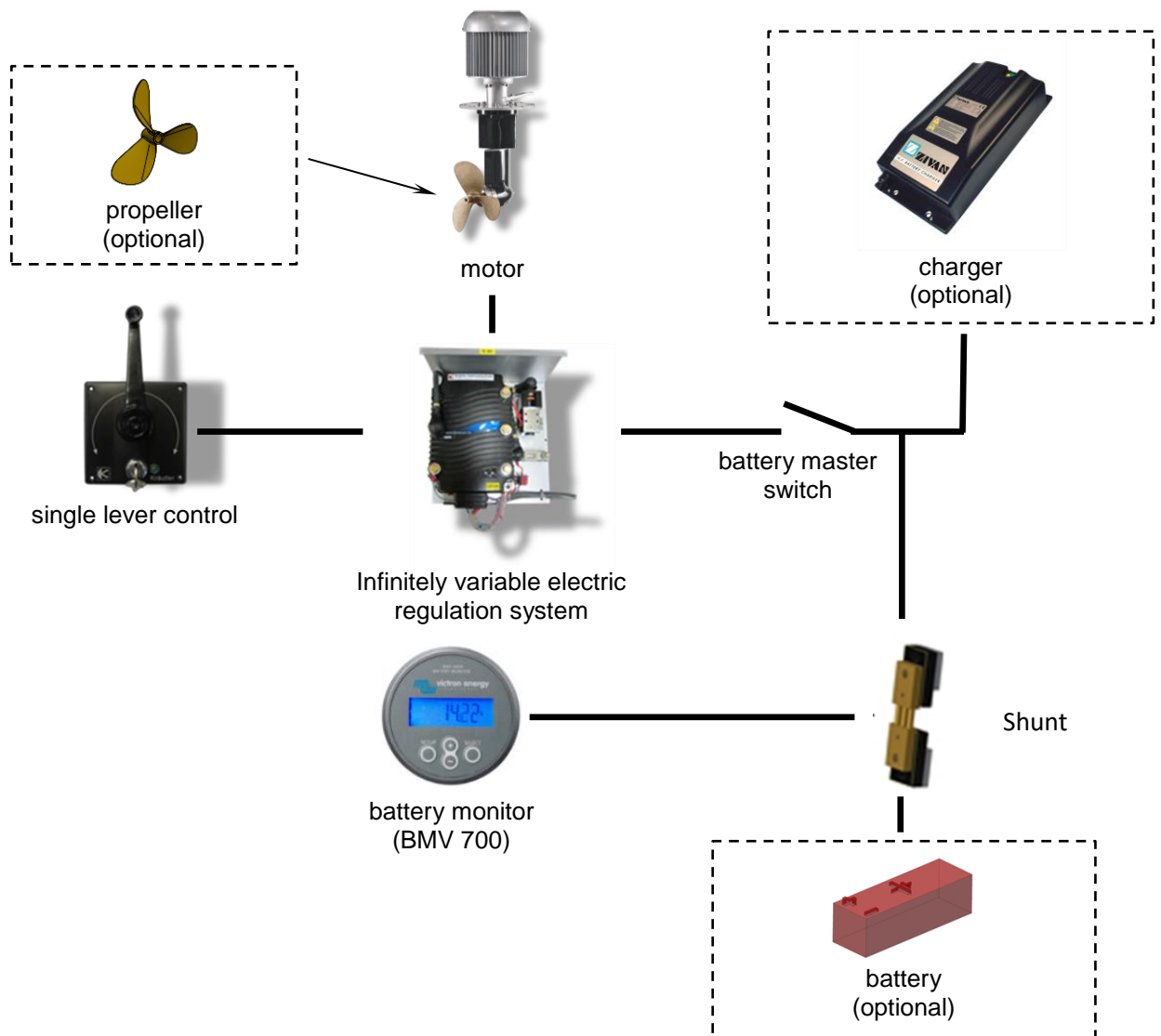
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All electric drives with Sail-Drive gear consist of:

- 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

