

ANCHOR STOWING

Cariboni knows the importance of lightness on marine equipment. They have been developed, for cruising yachts, various lightweight anchor stowing motors.

It is a simply and clever idea: helicoidal screw, driven by an hydraulic engine, acts on a gearbox to move the anchor arm in and out on the bow. The models are designed according to the maximum torque moment.

The body is made of lightweight hard coated aluminium, gears are made of 17-4-PH stainless steel and bronze. The high torque hydraulic engine has a waterproof cover in order to protect it from marine corrosion.

In case of need to turn around the headstay, an additional feature can be added on the motor.

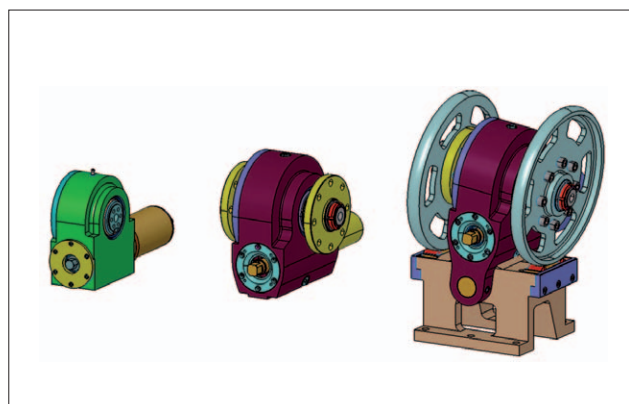


Anchor stowing motor

MODEL	Maximum moment	Dimensions		Weight		Working pressure		Flow required ⁽¹⁾
	Nm	mm	in	kg	lb	bar	psi	lpm
AAS 800	800	350 x 220 x 206	13,8 x 8,7 x 8,1	16	35,3	140	2000	3
AAS 1300	1300	377 x 260 x 246	14,8 x 10,2 x 9,7	25	55,1	140	2000	3
AAS 3000	3000	528 x 338 x 308	20,8 x 13,3 x 12,1	49	108	165	2400	5

(1) Min flow required for maximum torque; lower flow reduces max torque available

(2) To define maximum anchor weight use following formulas
 Max anchor weight = maximum moment / (anchor arm in mm x 9,81)
 Max anchor weight lb = max anchor weight kg x 2,205



From left to right: AAS 800, AAS 1300 and AAS 3000

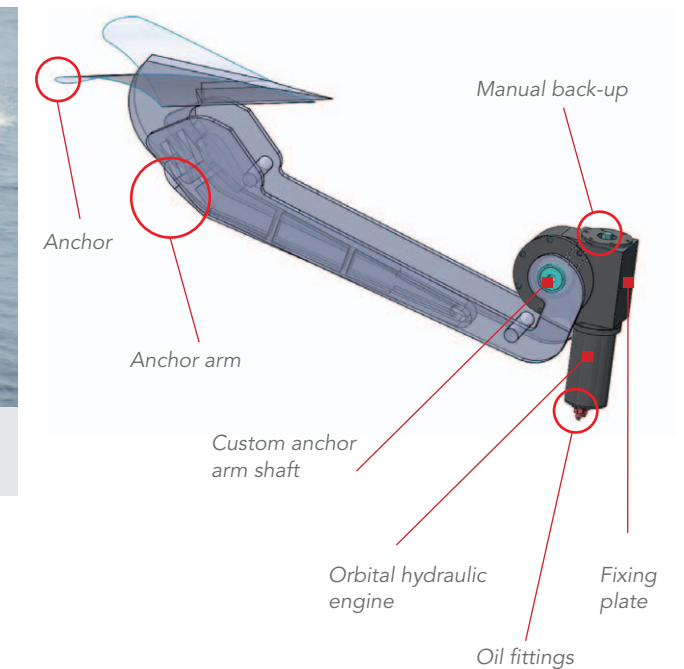


AAS 800

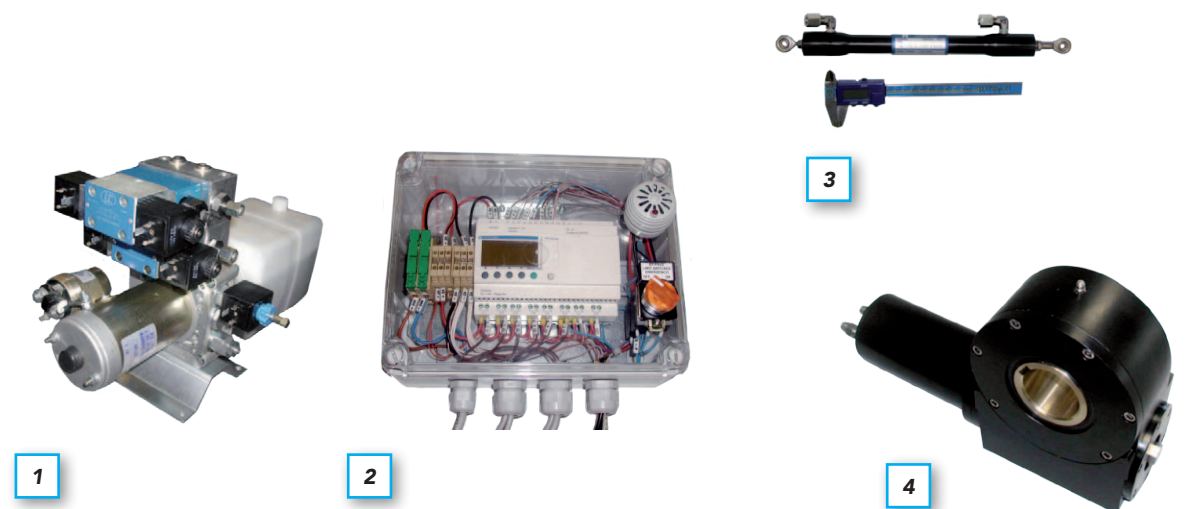
ANCHOR STOWING SYSTEM KIT



AAS 800 fitted powerboat



Cariboni supplies a complete pack for anchor stowing based on its AAS models. This kit is made with a compact lightweight powerpack, an ASS model depending on the anchor weight, a double acting cylinder and the compact electric control box.



- 1 - Compact powerpack, with valves and integrated oil reservoir.
- 2 - PLC system to control the powerpack and limit switches to self controlled the system.
- 3 - CL16 double acting cylinder to open/close the hatch anchor
- 4 - AAS_800 hydraulic anchor stowing system

ANCHOR STOWING SYSTEM KIT