

Petrel 28

main data:

- overall length: 8,84m
- hull length: 8,23 m
- waterline length : 7,54m
- maximum beam: 2,64 m
- draft: 1,59 m
- design displacement: 2450 kg
- light displacement: 2090 kg
- keel ballast: 900 kg
- mast height from DWL: 12,00 m
- upwind sail area: 38,1 m²
- CE rules label: Cat. B5-C7

projected sail measurements (cm)

Sail	base	luff	leech
mainsail	380	953	1014
130% J genoa jib	410	878	872

projected sail areas	
-mainsail	20.6 m ²
-genoa jib 130% J	17.5 m ²
-gennaker/mps	36 m ²

P: 953 cm
E: 380 cm
J: 289 cm
I: 1002 cm

P, E, J and I have to be measured on the rigged boat

mast specifications:
aluminum alloy untapered mast, 7/8 fractional rig, minimum 3 internal halyards + boom topping
bx= 130 cm⁴
ly= 270 cm⁴

standing rigging:
stainless steel wire 1x19 thread;
diameters:
-shrouds: 5mm;
-backstay: 4mm;
-forestay: 5mm;

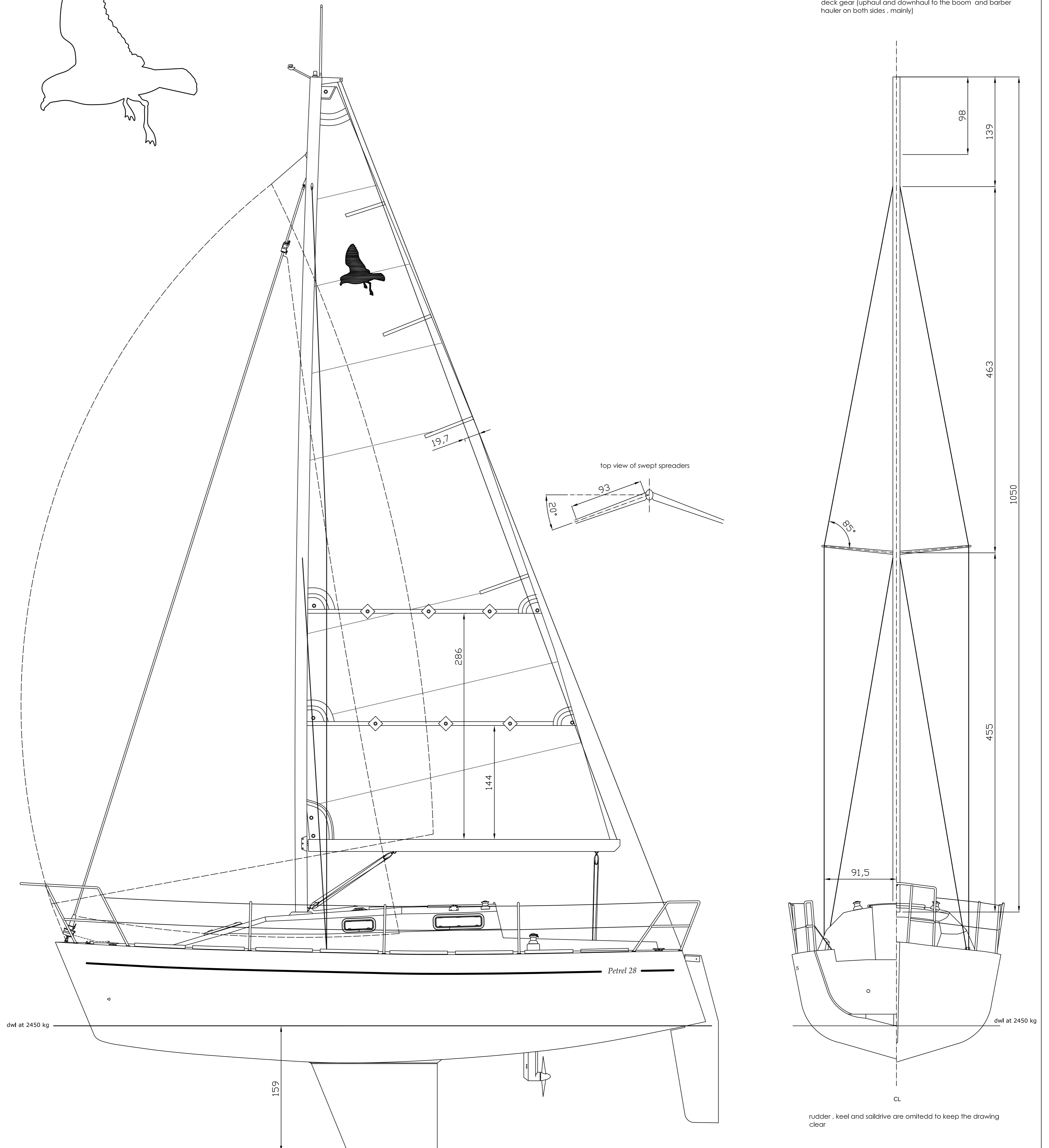
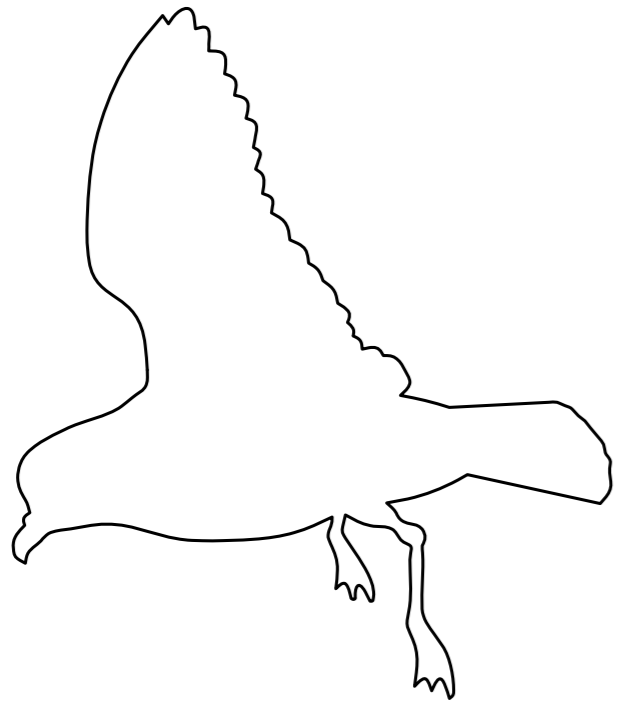
swept spreaders 20°

arrange on the masthead electrical wirings for wind station, navigation lights and VHF antenna

measurements for reefing point on mainsail are not mandatory; it will be recommended that the second reefing point bring the mainsail area down to 50% or more, relating to wind conditions of the sailing zone; mainsail base is hoisted on the boom, not free, and fitted on the mast with sail slides

bow sail is a genoa jib 130% J; for downwind sailing a gennaker or MPS may be hoisted, and tacked on the bow with a cyneema loop on the forestay fitting point; if you prefer to hoist a symmetric spinnaker, you need a spinnaker boom, a ring on the mast to fit the boom, and you have to add all the lines and controls of the spinnaker to the deck gear (uphaul and downhaul to the boom and barber hauler on both sides, mainly)

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dwl at 2450 kg

159

19,7

2886

144

top view of swept spreaders

93

20°

98

139

463

1050

85°

455

91,5

dwl at 2450 kg

CL

rudder, keel and saildrive are omitted to keep the drawing clear

some deck gear and fittings are omitted from this drawing to keep it simple and clear; for deck gear and fittings check the related drawings

designer:
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Petrel 28
sailplan and rig
STUDY PLANS SCALE 1:25

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