



# eed Crafts

### " ORC 140 " Rescue Boat "MARGODIG"- SNSM



all weather  
self-righting  
insubmersible  
beachable  
shelter ramp for RIB  
towing gear  
15 ships under construction

self-righting test



instrument board



towing bitt / RIB shelter



ramp for RIB







#### specifications


displacement	14,000 kg
length overall	14,000 m
length waterline	12,000 m
beam overall	4,000 m
beam waterline	3,500 m
draft	1,000 m
draught	1,000 m
max speed	30 kn
fuel capacity	2,000 l
max program	4,000 l
max fuel	4,000 l
max power	4,000 kW
max rpm	4,000
max torque	4,000 Nm
max thrust	4,000 N
max speed	30 kn
max rpm	4,000
max torque	4,000 Nm
max thrust	4,000 N

### " ORC 180 " Pilot Craft "LOIRE 18"- Saint Nazaire Pilote




all weather  
self-righting  
wheelhouse suspension  
housed hydraulic flaps  
hydraulic pilot ladders  
rescue nets


self-righting test






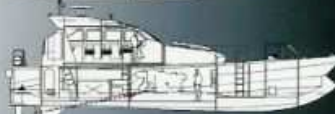
wheelhouse



carbon instrument board



hydraulic pilot ladders

#### specifications

displacement	18,000 kg
length overall	18,000 m
length waterline	15,000 m
beam overall	5,000 m
beam waterline	4,500 m
draft	1,200 m
draught	1,200 m
max speed	35 kn
fuel capacity	3,000 l
max program	6,000 l
max fuel	6,000 l
max power	6,000 kW
max rpm	6,000
max torque	6,000 Nm
max thrust	6,000 N
max speed	35 kn
max rpm	6,000
max torque	6,000 Nm
max thrust	6,000 N

"ORC class High Speed Crafts are designed around the new and patented "BEAK" hull design also known as the "ORCA" concept.



"ORCA" the prototype at 32 knots in a seaway

These new hull lines showing a strange bow have been developed since 1994 by **PANTOCARENE Naval Architects** (Brittany) for the purpose of **improving the seakeeping and the speed** of planning and semi-planning hulls in rough seas.

In few words, the aim was to behave at least as well as the best round hulls in head seas and as well as the best hard chine hulls in following seas.

Combined with unusual hull parameters and trim tables, the BEAK, working as an **hydrodynamic damper**, has today proven through different fast crafts ( pilot, rescue, passenger and fishing, ranging from 12 to 22m in length and from 20 to 35 knots in speed) its clear superiority in waves upon any conventional fast hull (round, single or double hard chine).



"ORCA" the prototype