NEVK STEALTH SUBMARINE

DESIGN FEATURES

After some five years of development including extensive model testing, the most maneuverable submarine in the world has been designed. The NEYK stealth Submarine, with its ultramodern teardrop-shaped design, overall length of 6m (20ft), maximum displacement of 2,3 tonnes of water, and fully pressurized hull, is capable of reaching depths of 200 feet, less complicated, cheaper and which has a maneuverability as big as possible.

Though, in view of the above mentioned, the NEYK could be called a rather conventional submarine, this is only partly true. Already its exterior is striking. The requirement of a big maneuverability implied, among other things, a spacious surface of the rudder while the rudderblade can be turned as a whole.
However, the most remarkable thing is the hull, which lengthwise fluently changes into teardrop form. Even the superstructure has been made in this shape.

The submarine is powered by two virtually noiseless electric motors. The Graft - by having its engines run in opposite directions - can be turned on its axis within just a few seconds.
The submarine is simple to control by using a single joystick, with which it responds rapidly to changes in angle of incidence. Within a few seconds its rudders can be adjusted to a 35-degree angle.

Extensive viewing facilities enable the sub's pilots to fully experience the thrills of underwater travel. The NEYK STEAL TH is modularly designed and available in 1 or 2 seats configuration. It has a large viewport on top. It's made of acrylic plastic, It offers excellent visibility in all directions. Further the submarine has been built in a very slender way by using a single-walled-hull.
By putting diving-tanks at the front and back a very smooth hull has been developed.

The cockpit of the NEYK STEAL TH Submarine is filled with compressed air so it is possible to leave the submarine without letting any water come into the cockpit.
Underneath the submarine there is a hatch for each pilot with 650 mm hatch diameter. For lockout operations, the sub can be made up to 300 kg negative by using the regular ballast system and partly by flooding the lockout trunk.

PRINCIPAL PARTICULARS

Length, overall..... 6.000M
Width, overall..... 2.200M
Height 1.69OM
Huil diameter 1.000M
Entrance diameter O.650M
Displacement surfaced..... 1.952 Tons
submerged..... 2.325 Tons
Operational depth..... 60M
Propulsion ..... ,.....
two electric motors 4KW
Speed surfaced ..... 5 Kn (approx.)
submerged ..... 7 Kn (approx.)

DEMENSIONS FOR TRANSPORTATION

Length, overall.....6.0OOM
Width, overall..... 1.500M
Height 1.375M
Payload .....200 KG (approx.)
Crew ..... 1 Pilot
..... 1 Co pilot

TOT AL ENERGY CAPACITY (EMERGENCY)

Battery blocks ..... 24 Volts
in parallel.....
Type of batteries ..... lead acid; pressure
..... compensated
Weight of batteries ..... 600 KG (approx.)
Soft ballast tank .....
capacity .....2x200=400 KG
Compressed air capacity..... 6x1 0 Ur., 300 bar
Oxygen ..... 2x10 Ur., 300 bar
Life support autonomy..... 72 manhrs
Oxygen .....1approx)
Variable buoyancy 100KG (approx)

STANDARD EQUIPMENT; GENERAL INSTRUMENTATION AND OUTFITTING:

Depth gauge, gyro, trim and list angle indicators, clock, thermometer, hygrometer, barometer; Internal lighting, two e.a fixed searchlights, first aid kit, life vests.

SPECIAL EQUIPMENT (Optional):

Searchlights on pan and tilt unit, Releasable surface buoy with radio beacon, flashlight; Pinger release and locating system; VOO NAVPAC navigation system (compass, log, echosounder);, Tracking transponder; Sonar systems, instrumentation for environmental parameters; Underwater TV systems, stereo cameras; Video recorder, documentation outfits, etc.

NOTE

Due to the sub's relatively small size only a selection of the equipment mentioned can be installed at a time.
If so required, the interfaces can be designed for in- field adaption of the outfit to the task requirements.

LOGISTICS AND OPERATIONAL EQUIPMENT (Optional)

Handling Systems; battery chargers, compressors, container for tranportation, logistics and workshop.
Air cargo containers; boxing system etc.

NOTE

This data sheet is subject to changes without notice for reasons to technical improvements or modifications. It is not intended as a complete description of the presented equipment.