DAMEN FIRE FIGHTING VESSEL 2406
“BREMEN I”

GENERAL
YARD NUMBER 571649
DELIVERY DATE 2011
BASIC FUNCTIONS Firefighting / Police patrol vessel
CLASS Hull BV, ZSUK – zone 2
FLAG Germany
OWNER Der Freien Hansestadt Bremen

DIMENSIONS
LENGTH O.A. 23.9 m
BEAM MLD. 6.0 m
DEPTH AT SIDES 1.5 m
DRAUGHT AFT (APPROX.) 1.2 m
DISPLACEMENT 65 ton (approx)

TANK CAPACITIES
FUEL OIL 2 x 2 m³
FRESH WATER 0.5 m³
FOAM 2 x 2.5 m³
SEWAGE 0.6 m³

PERFORMANCES
SPEED (FULL LOAD TRIALS) 32 km/hr
SPEED (MAX) 40 km/hr

PROPULSION SYSTEM
MAIN ENGINES 2x Cat C12,
1 x Cat C18
TOTAL POWER 2 x 425 kW @ 2200 rpm
1 x 651 kW @ 2200 rpm
WATERJETS 2 x Ultrajet 410
1 x Ultrajet 451
CONTROLS/STEERING Ultrajet
BOWTHRUSTER Beta 45 kW / 380V

AUXILIARY EQUIPMENT
MAIN GENERATOR SET 2 x Cat C04.4 TA
CAPACITY 2 x 69 KW / 86.25 kVA @ 1500 rpm
FIRE FIGHTING PUMPS 1 center engine driven 720 m³/hr fifi pump
1 electrically driven 60 m³/hr fifi pump
FOAM SYSTEM 1 % or 3 % mixing percentage

DECK LAY-OUT
ANCHOR ARRANGEMENT Muir winch with HHP anchors at bow and at stern
2 x (at bow and stern) each with fifi monitor installed and equipped with winch.
FIRE FIGHTING MONITOR 3 x FWM-3 EL Water/Foam combination distance controlled
GAS DETECTION MSA GD10 sensors
PRE-WETTING SYSTEM Around both sides
WORKBOOT RHIB 5.1 m with 60 hp outboard engine

ACCOMMODATION
Heated and air-conditioned wheelhouse and accommodation.

NAUTICAL AND COMMUNICATION EQUIPMENT
Radar System JRC, type JMA-609-7
Chart Overlay Alphatron
River Pilot Alphatron, type Alphariverpilot MF
Shallow Water Alphatron, AlphaDepth MF
Echo Sounder Humminbird, Type Sidescan 997i combo
GPS Satellite Compass JRC, type JLR-20
Rate of Turn Indicator Alphatron, Alphaturn MF
VHF 3x VHF, type RT5022
Semi Automatic DP System Navi, type JP3000 (not a classified system)
Intercom System Alphatron, type Alphacall
Searchlight Zetfon, type Fonomat
Electronic Chart Alphatron, type Alphachart
Wind Measuring System 250W, remote controlled
Several Communication Alphatron, type Alphachart
Type BOS