

S/V MINTROP

CALL SIGN:
"DFCX"



Geophysical survey vessel for all offshore areas. Redesigned and converted 1986 in Kiel, Federal Republic of Germany.

General:

Port of registration: Bremen
 Number of registration: 4479, Amtsgericht Bremen
 Classification (Germanischer Lloyd): ✱ 100 A4, ice strengthening E3, Research Vessel, ✱ MC-Aut
 Length o. a.: 91.86 m
 Beam o. a.: 15.00 m
 Draught, mean: 6.20 m
 Tonnage: 3180.11 GRT
 Main engine: 2 x 1765 kW (2399.73 hp), 6 cylinder MAK Diesel
 Propeller: 1 variable pitch propeller
 Shaft generator: 2 generators driven by propeller shaft gearbox
 Auxiliary engine: 1 x 520 kW MAK Diesel
 2 x 250 kW Deutz Diesel
 1 x 122 kW Deutz Diesel (emergency)

Total generator power without emergency: 3255 kVA, 3~ 231/400 V
 Bow thruster: 500 kW
 Speed: cruise/survey 15.6 knots/4-6 knots
 Cruising range, max: 24,500 nautical miles
 Seismic endurance, max: 90 days
 Bunker capacity, Marine Diesel Oil: 879 tons (metric)
 Freshwater evaporator: 30 tons/24 hours
 Accommodation (berths): 44
 Air compressors: 3 combined screw piston crankshaft-driven compressors, LEOBERSDORFER MASCHINENFABRIK AG

Compressed air capacity: (at 140 bar/2030 psi) litres/cu. in. per min: 519/31,645

Nautical equipment:

Gyro compass systems: Standard IV, ANSCHÜTZ; Navigat II, C. PLATH, north reference $\pm 0.12^\circ$
 Automatic pilot system: autopilot, ANSCHÜTZ; adaptive autopilot, C. PLATH
 Radar: 8600 ARPA, "S" band, ATLAS; 6500 "X" band, ATLAS
 Electromagnetic log: LHS, SAGEM
 Automatic direction finder: SFP 705 LNG, C. PLATH
 Echosounder: survey echograph LAZ 4700, ELAC; deep sea sounder LAZ 72, ELAC
 Satellite navigation: Transit/GPS dual channel, MX 1107 GPS, MAGNAVOX
 Non seismic radio navigation: Shipmate RX, RS 4000 C with colour course plotter TP-C14, TAIYO, and data recorder TP-R14, TAIYO

Ship's radio station:

2 VHF marine radio telephones, SAILOR, SKANTI; SSB radio station EMKS 2000, HAGENUK, with radio telex system, satellite communication: SATURN 3S, EB, with telephone, telex and telefax; weather chart receiver; Navtex receiver; Marinefax, ALDEN

PRAKLA-SEISMOS AG

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