

Kreuz Installer

DP 2 multipurpose diving and construction support vessel



Extremely versatile asset

Capable of performing construction, diving and SURF works

- DP 2
- 155 mt crane
- 70 mt aux crane
- 16-man single bell saturation in-built dive system + SPHL
- 1700 sq.m of deck space (10 mt/sq.m)
- 98 accommodation
- Low fuel consumption

Primary activities

- ◆ Subsea construction and installation work
- ◆ Diving support operations, saturation and air diving
- ◆ Subsea Umbilical, Risers & Flowlines (SURF) projects

GENERAL INFORMATION	
Classification	SUL, HELDK, IY, SYJ, DP (II), JUS
IMO number	800 7171
Build	1981 by Weft Nobiskrug GmbH
Flag state	Bahamas
Port of registry	Nassau

DIMENSIONS AND CAPACITIES	
Length overall	129.10 m
Breadth	24.60 m
Draught (min/max)	4.5 m-6 m, plus thruster projection of 3.1 m below hull
Deadweight	6257 t
Gross tonnage	8300 t
Net tonnage	2490 t

DYNAMIC POSITIONING SYSTEMS	
DP classification	DP 2
DP system	Kongsberg SDP 22
Reference systems	2 x Simrad high precision hydroacoustic HiPAP 351 and HiPAP 500 2 x taut wires 2 x DGPS 1 x laser fan beam

MACHINERY AND PROPULSION SYSTEMS	
Main engines/generators	5 x MAK diesel engines 1290 kW
Emergency generator	350 kVA
Thrusters	2 x fwd azimuth 1100 kW each 1 x fwd tunnel 590 kW 2 x aft azimuth 1650 kW each 1 x aft azimuth 1550 kW 1 x aft tunnel 600 kW

DECK CRANES	
Main lifting facility - Starboard side	
Pedestal crane - Hydralift at midship (1 off)	
Capacity: 155 t double fall @ 6.5 m radius; 34 t single fall @ 26 m radius	
Maximum wire length: 430 m	
Whip line capacity: 8 t at 36 m radius	
Pedestal Crane - Liebherr at aft (1 off)	
Capacity: 70 t @ 10 m radius, 20 t @ 25 m radius	
Maximum wire length: 400 m	
Whip line capacity: 10 t @ 33 m radius	
Provision crane (1 off)	
Capacity: 5 t @ 10 m radius	

SPEED	
Economical speed (approx)	8.5 knots

DIVING SYSTEM	
16-man saturation system with 3-man bell	
Depth rating: 300 msw	
Self-launched and self-driven SPHL with capacity of 16 divers and 3 crew	

COMMUNICATION SYSTEM	NAVIGATION SYSTEM
GMDSS - A3	Radar - 2
VHF	GYRO - 3
Walkie talkie	AIS - 1
Aero VHF	GPS - 2
V-SAT	Chart plotter - 2
SSAS	Autopilot
	NDB
	Novtex
	Echo sounder
	Wind-sensors - 3
	MRU - 2
	BNWAS
	LRIT
	S-VDR
	Magnetic compass

ACCOMMODATION	
Total capacity	98 pax in 50 cabins
1-man cabins	18
4-man cabins	7
Mess room	1
Recreation rooms	2 (smoking/non-smoking)
Office	1
Gymnasium	1
Workshops	3
Hospital	1
Prayer room	1
Treatment room	1

DECK	
Clear work area	1700 m ²
Deck strength	10 t/m ² (max overall)

TANK CAPACITIES	
Fuel oil	850 m ³
Freshwater	659 m ³
Ballast water	4108 m ³
Brine	Nil
Endurance	Steaming 30 days; on DP 75 days; standby 138 days

LIFE-SAVING APPLIANCES	
Lifeboats	2 x 48 persons 2 x 50 persons
Life rafts	8 x 25 persons

MOON POOLS	
Working moon pool	11.3 m x 2.7 m
Diving moon pool	3.9 m x 3.9 m

HELIDECK	
Diameter 22.2 m, capacity 9.3 t CAP 437 compliant	

ROV SYSTEMS	
Optional. The vessel is fitted with work-class ROV with top-hat tether management system.	