

LEV TWISTER - Offshore Support Vessel

Operational 24 h / 7 days



Ship

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Owner: LEV TWISTER GmbH & Co. KG, Aurich
Name: LEV TWISTER
Port of registry: Bremerhaven
Flag: German
Class: **LR 100A1 (AHTS suspended), Fire-Fighting Ship 1 (3000 M3/h) with Water Spray, Oil Recovery, RD(2.4), WDL(+), LMC, UMS, DP(AM)**
Accommodation: 8 crew + 12 guests (+ possible extension) Call sign: **DHXJ2** MMSI: **218862000**

Dimensions: Make:

LOA:	75.0 m	Building year:	1984
Moulded breadth:	16.0 m	Builder:	Th. Hellesøy Shipsbyggeri A/S, Løfallstrand, Norway
Draught:	5.81 m	Re-Fit:	2017
GT/NT:	2.295 / 688	Hull material:	Steel
Deadweight:	3.005 t	Deckhouse:	Steel

Deck capacity: Deck equipment:

Clear deck space:	approx. 600 m ²	Tugger winches:	2x 10 to
Deck strength:	6 to / m ²	Capstans:	2x 7 to
Deck load:	1.400 to		

Performance/Fuel consumption MGO: Tank capacities/Discharge rates:

Max Speed: 17 knots		MGO:	990 m ³ / 250 m ³ /h
Fuel consumption at transit speed (10-12 kn):	900 l/h	Freshwater:	645 m ³ / 2x 100 m ³ /h
Fuel consumption at high speed (15 kn):	1.400 l/h		
Fuel consumption at stand-by/port:	500 l/day		
Fuel consumption in DP mode:	300 - 900 l/h (depending on weather)		

Machinery and Propulsion:

Main Engines:	4x Wärtsilä Wichmann AS 7 AXAG	Generators:	3x Leroy Somer TA 3160 M7 (330 kVA)
Main Engine Power:	4x 2.310 kW	Shaft Generators:	2x Leroy Somer (1.600 kVA)
Auxiliary Engine:	3x CAT 3408 DITA	Propulsion:	2x Wichmann (3.600 mm/160 rpm)
Auxiliary Engine Power:	3x 298 kW		CPP in nozzle
Side Thrusters:	Bow Thrusters: 2x Liaaen Helix TT 60/47170 el 2x 1.000 hp Stern Thruster: 1x Liaaen Helix TT 60/47170 el 2x 1.000 hp		
Steering gear:	2x Flap rudder with synchronous or individual control / joystick control of propellers, thrusters and rudders		

Towing and Anchor handling equipment:

Towing and AH winch:	2x Brattvag M 22-02 with 1x towing drum and 2x AH drum: 1.400 m		
Towing wire:	1.100 m / ø 72 mm	Shark jaw:	Karmøy winch
Spare towing wire:	1.100 m / ø 72 mm	Towing pins:	Karmøy winch
Pennant reels:	2x 1.000 m / ø 64 mm capacity	Bollard pull:	142 to
Storage reel:	1x 1.250 m / ø 70 mm capacity	Stern roller:	L 3.650 x D 2.500 mm
		SWL:	350 to

Navigation and Communication Equipment:

Magnetic compass	1x J.C.Krohn & Son Type 10 modell 390, with refl.
Gyro compass	2x Robertson, RGC11
Auto Pilot	1x Robertson AP9 MK3

Joystick	1x Liaaen Helitron Poscon.222m, Kongsberg S
Speed log	1x JRC Doppler JLN-203
Radar ARPA	1x Furuno FR-2835 S
Radar ARPA	1x Kelvin Hughes, Nucleus.5000A
Echo Sounder	1x Furuno FE-881
Sat navigator	1x Magnavox, GPS Mx 200
VHF direction finder	1x Jotron Tron finder
HF/MF radiostation	1x Kelvin Hughes GMDSS
VHF Transceiver	1x Furuno F-18 and 2x Kelvin Hughes
Ground to air transceiver	1x Dittel FSG4
Emergency beacons	1x Copas Sarsat
Intercomm system	1x Stephans
Radar transponders	1x Tron Sart
Portable VHF	3x Tron VHF

DP System: DP1-redundant

Make:	Kongsberg / Simrad SDP 11	DGPS:	Seatex
HPR Simrad:	418	Fanbeam:	MK II
Taut wire:	LTW MK 8		

Electrical distribution network:

440 V, 3 PH 60 Hz
3x 330 kVA Generators

Accommodation/Facilities:

Crew	8
Charterer	12 (1-bed, 2-bed and 4-bed cabins)

Single cabins:	13
2-bed cabins:	2
4-bed cabin:	1

optional: accommodation extension for technicians in offshore accommodation containers

Survey room / Office:	several options
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Safety Equipment:

FRB:	Solas approved (incl. davit)
Liferafts:	4x Life raft Viking for 20 persons each
Lifejackets:	24
Survival suits:	22
Rescue crane Stb:	1x Hydramaskin HMC1400 LK 50-10
Rescue crane Ps:	1x SBC EHRSC 1.5 to
Rescue zones:	2x 15m (both sides)
Hospital:	15 m ² - 2 beds

Fire Fighting System:

FiFi
2x Kvaerner 3.000 m ³ /h
height: 130 m
wide: 160 m

Lifting Facilities / Cranes:

Deck crane Stb:	1x Hydramaskin HMC1400 LK 50-10 / SWL 5 to at 10m
Deck crane Ps:	1x SBC EHRSC / SWL 1.5 to

