

ODEX V



Initially engineered to facilitate the precise deployment of sensitive oceanographic gear, the ODEX V series of electric winches has evolved into a rugged, high-performance solution for diverse marine operations. These versatile systems are tailor-made for supporting instrumentation such as CTD arrays, corers, side-scan sonar, and various towed underwater vehicles.

Functions

- Fully automated cable launch and recovery
- Servo-controlled spooling gear
- Automatic deviation detection and correction of spooling gear
- Cable drum with LEBUS cable groove
- E-Stop
- Close brake
- Hydraulic/manual band brake
- Wired/wireless remote control
- Information display: cable tension, speed, length device
- Low operating noise
- Cable / steel cable
- 10 major classification society certified
- Suitable for Sea State 5, emergency recovery under Sea State 6

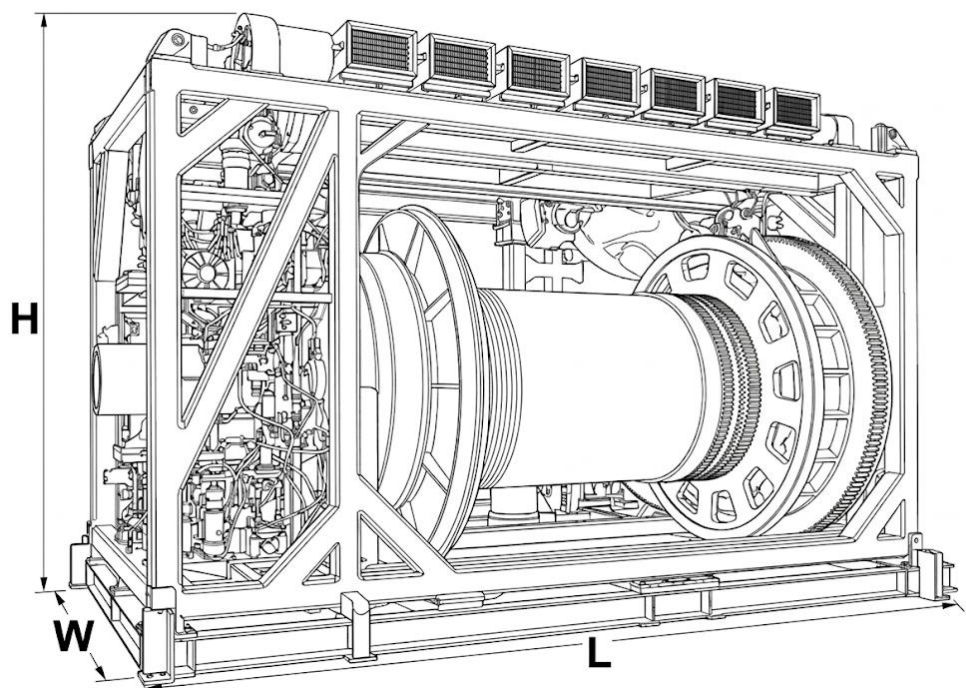
Options

- Integrated structure frame
- Traction device
- Active Heave Compensation (AHC)
- Passive heave compensation
- Active cable spooling
- Constant tension towing function
- Emergency release
- Fault diagnosis system
- Remote/video operation and monitoring
- Automatic cable cleaning and lubricating
- Armored optical fiber cable / coaxial
- Optical slip ring / electrical slip ring

Operational Cases

- **Acoustic Surveying:** Fully supports the operation of side scan sonar arrays and sub-bottom profiling technology.
- **Scientific Monitoring:** Ideal for managing CTD sensors and comprehensive oceanographic profiling suites.
- **Underwater Navigation:** Capable of handling remotely operated towed vehicles (ROTVs) for subsea exploration.
- **General Research:** Highly adaptable to meet the diverse handling requirements of standard marine instrumentation and various offshore research tasks.

Product Specifications



ODEX V			
Model	ODEX V10	ODEX V30	ODEX V50
Winch Dimensions (W x D x H) (mm)	3784 x 2850 x 2260	3950 x 2750 x 2710	4990 x 3175 x 2710
Drum Dimensions (Core/Flange x Length) (mm)	Ø1300/1900 x 1934	Ø1300/2400 x 1369	Ø1300/2400 x 2304
Cable OD (mm)	21 - 30	34.5 - 40	34.5 - 40
Cable Capacity (m)	6600 - 2400	3150 - 2125	5400 - 4050
Winch Weight (kg)	12000	17000	22000
Pull Force @ Layer 1 (kN)	70	195	195
Speed @ Layer 1 (m/min)	0-35	0-37	0-37
Motor Power (kW)	2x 22	6x 22	6x 22
Power Supply (V)	3x 400/440	3x 400/440	3x 400/440