MERMAC S

Multi purpose winch series

First introduced for handling delicate oceanographic equipment, MacArtney MERMAC S electric driven winches are advanced and robust systems suited for numerous general marine applications. MERMAC S winces are available with several purpose dedicated features and options which make them ideal for use with side scan sonars, corers, CTD systems, towed vehicles and other instrument and equipment types.

MacArtney MERMAC S winches combine reliability with controllability and are supplied with variable speed, tension read-out and control via an integrated load cell. A PLC on the winch controls the electric driven level wind and transmits encoder and load cell data to a display showing winch speed, paid out cable length and alarms. The PLC can also interface to other control systems. Optional PC software offers fully automated profiling capabilities.

The winches can be adapted to suit various cable diameters and are also available with interchangeable drums. Spare drums can be spooled with different cable sizes and swapped as needed for swift change of winch application.

MacArtney MERMAC S winches often form part of complete vessel winch and handling solutions.

Features and benefits

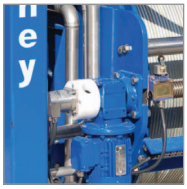
- Compact and modular design using standardised and exchangable components
- All structural components in painted carbon steel
- Electric driven level wind
- Integrated load cell
- Adaptable to suit various cable diameters
- Exchangeable cable drums
- Designed according to DNV's Standard for Lifting Appliances Certification note 2.22
- Long and proven track record

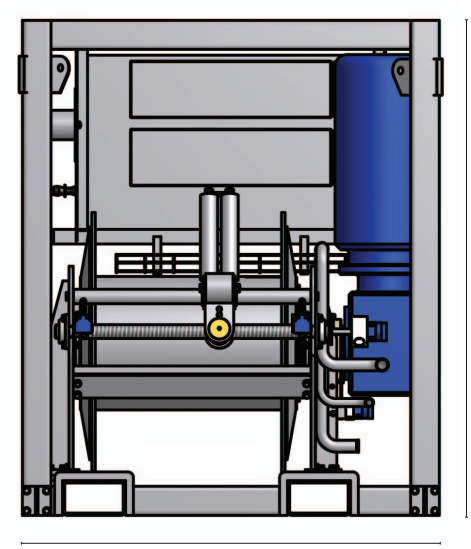
Applications

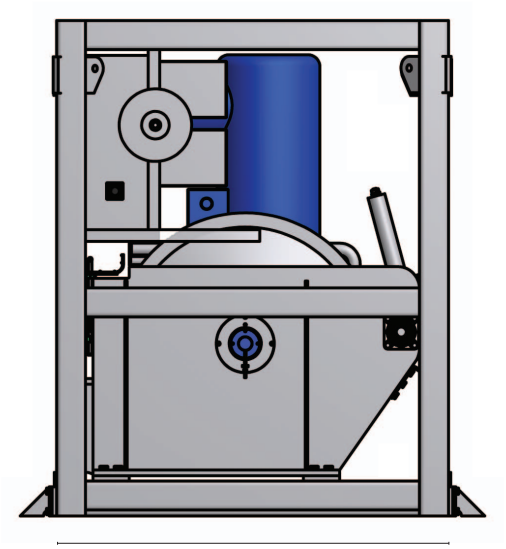
- Side scan sonar systems
- Sub bottom profiler systems
- Oceanographic profiling and CTD systems
- Remotely Operated Towed Vehicles (ROTV)
- General oceanographic instrumentation and applications

System options

- Service and maintenance programme
- Spare parts package
- Ancillary cable drums
- Remote control with joystick and emergency stop
- Wireless remote control with joystick and emergency stop
- Remote control with display for indication of deployed cable length and speed
- Cable status indicator (speed and length)
- PC control software including software for fully automated profiling capabilities
- A-frame, davit or deck crane
- Cable sheave
- Vibration absorbing installation brackets
- Focal electric/electro-optical slip ring model 180
- CE marking (if cable and termination is supplied)
- Can be designed to 46 CFR 189.35 of Federal Requirements for Wet Weight Handling Gear
- Fork lift pockets
- Tarpaulin cover







Specifications

	Winch dimensions (Width/depth/height)	Drum dimensions (Core/flange x length)	Cable OD	Cable capacity (Length)	Winch weight	Pull (Layer 1)	Speed (Layer 1)	Motor size	Power supply
model	mm	mm	mm	m	kg	kN	m/min	kW	V
MERMAC S10	1,475/1,275/1,600	ø460/ø680 x 650	8.18 - 15	1,575 - 415	1,700	15	0 - 50	15	3x400/440
MERMAC S20	1,476/1,366/1,705	ø460/ø900 x 650	8.18 - 17.3	4,250 - 875	1,800	23	0 - 50	22	3x400/440
MERMAC S30	2,350/1,500/2,025	ø560/ø1,085 x 1,070	8.18 - 17.3	10,000 - 2,000	2,800	28	0 - 39	22	3x400/440
MERMAC S40	2,600/2,000/2,400	ø600/ø1,150 x 1,110	8.18 - 20	12,000 - 1,800	4,500	53	0 - 44	55	3x400/440
MERMAC RA S40	3,047/2,430/1,900	ø600/ø1,150 x 1,110	8.18 - 20	12,000 - 1,800	7,000	53	0 - 44	2 x 30	3x400/440
MERMAC S50	2,925/2,100/2,700	ø720/ø1,525 x 1,530	15 - 25.4	9,000 - 2,850	6,250	78	0 - 41	75	3x400/440