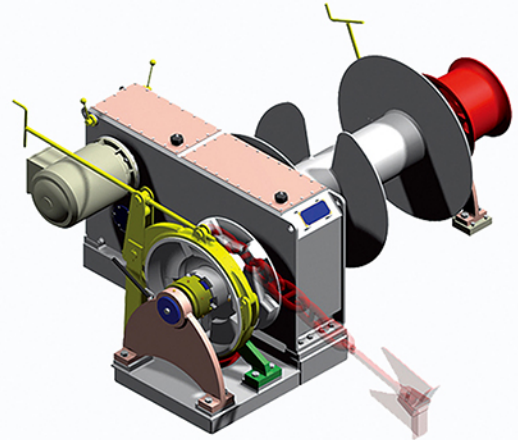




SECURING YOUR VISIONS

## ELECTRIC HYDRAULIC WINCH



Tel 86 21 6362 0321  
info@sec-shanghai.cn

SEC Ship's Equipment Centre Bremen (Shanghai) Co. Ltd.  
Room 807 No. 1218 Yong Sheng Road  
Jiading District Shanghai, China 201821

# ELECTRIC HYDRAULIC WINCH

## Structural features

- Pulls 30 - 250kN
- Chain diameters for 17 - 87 mm K3 stud link chains and roller stoppers
- Single, double or triple drum design
- Undivided or split-type drums
- With or without auto-tension device
- Automatic switch over for double drum mooring winches with auto-tension available
- Remote controlled electrical or hydraulic driven brake
- Design with fully enclosed gear
- With or without remotely controlled letting-go the anchor, with automatic speed limitation
- With or without chain length and speed indication
- With or without remote control from ships' sides or wheelhouse
- Material of brake rim for chain wheel and rope drum can be stainless steel or carbon steel
- Acc. ISO 3730 OCIMF recommendations
- Low temperature application down to -35°C

## Main advantage

- 1 All the hydraulic pump and hydraulic motor and control valve are integrated in the winch gear case.
- 2 There are no power pack unit installed below the deck. And shipyard no need arrange install the hydraulic power pack space below the deck.
- 3 Compare the traditional with hydraulic unit hydraulic winch, our integrated hydraulic winch, shipyard no need arrange the hydraulic pipe and joins between the winch and hydraulic power pack. And shipyard do not need flush the those hydraulic pipes and joins. For this reason it will save the cost for shipyard to buy hydraulic pipe and joins and save the labor cost for flushing those hydraulic pipes and joins on board.
- 4 Compare the traditional with open loop type hydraulic winch our enclosed loop type hydraulic winch. The enclosed loop hydraulic system the hydraulic pipe lengthen will be short than the open loop hydraulic system between hydraulic pump and hydraulic motor. So the our enclosed loop hydraulic winch will have small pressure drop along hydraulic pipe than open loop hydraulic winch. For same size winch our enclosed loop hydraulic winch electric motor power is smaller than traditional hydraulic winch about 15-20%.
- 5 Our integrated hydraulic winch all the hydraulic equipment are installed in the gear box so the hydraulic system cleanliness can be sure in our factory winch assemble line. But for the traditional hydraulic winch shipyard must be flushing the hydraulic pipes and joins between the hydraulic power pack and the all the winches. If shipyard flushing hydraulic pipe is not as well as requirements so the dirt can be run into control vale hydraulic motor and pump of hydraulic system. So the there are some fault of the hydraulic system.