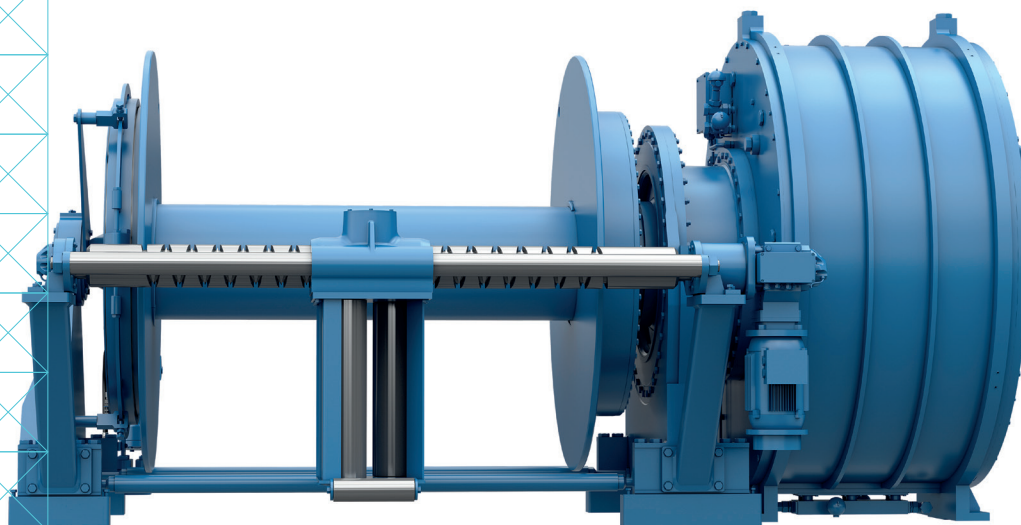




KONGSBERG

# ELECTRIC TRAWL WINCHES



## KONGSBERG DECK MACHINERY

### BRE XT140 - Electric Permanent Magnetic (PM) motor

New developed electric permanent magnetic (PM) motor from Kongsberg Maritime, XT140 - for dynamic operations on anchor handling vessels and trawlers designed for operation in arctic areas (minus 40 degrees), challenged water and rough sea bottom where dynamic properties are requested.

BRE XT140 motor is especially interesting for fishing vessel owners focused on maximum catch efficiency, fuel saving and safety. The BRE XT140 has unique functionality and possibilities on trawlers, today and for future challenges.

#### Good dynamic winch

- Keeps the trawl gear in best possible position to seabed.
- Best possible fishery efficiency in all type of weather and seabed conditions and in low fish density scenario.
- Minimum towing time - fuel saving.
- Minimum tension force and damages if trawl stuck in seabed.
- Minimum wear and tear on wire and trawl equipment.
- Minimum of tension peaks in wire gives smoother forward thrust on vessel.

#### MAIN FEATURES

- High torque motor with low rpm
- Unique dynamic properties on electric winch
- Direct drive up to 51 ton pull - without any gear box!
- High shooting speed with good brake holding force
- Silent in operation
- Water cooled / heated

## NOMINAL PULL

1st layer 51 tons at 40 m/min.

Top layer 18 tons at 130 m/min.

## MAX PULL

(BOOST FOR 5 MIN. PERIOD)

Top layer 22 tons at 98 m/min.

Calculation based on 3200 m of 34 mm wire.

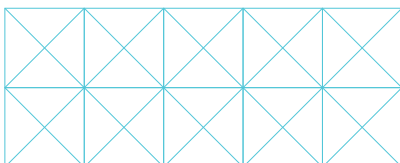
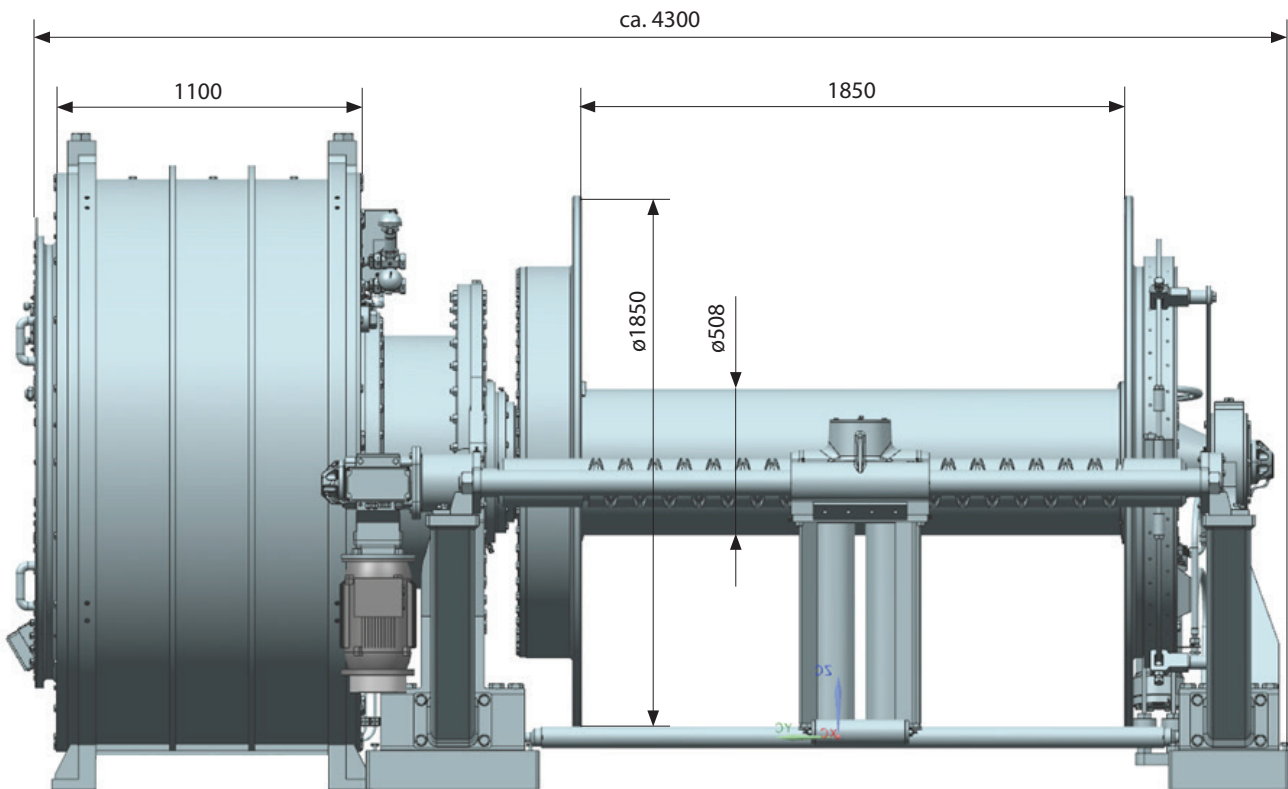
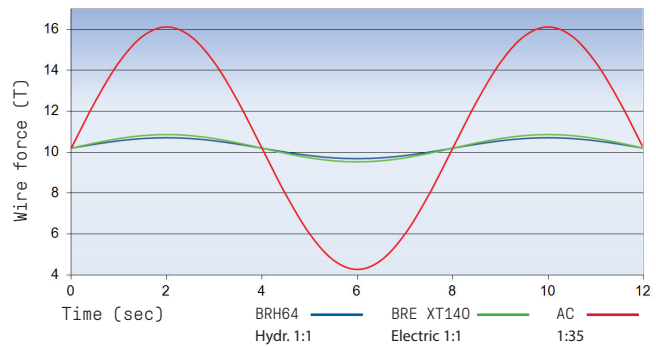
## Regenerative

Using our BRE XT140 electric motors, you create regenerative power which can be feed directly to the ships consumers and/or power the propeller, which reduce fuel consumption (provided electric power system is designed for this).

## Enviromentlly

Good dynamic properties give the possibility to perform using semi-pelagic trawling. When using pelagic trawl doors without seabed contact you minimize damage on bottom fauna and reduce vessels fuel consumption.

Load variation in wire, based on stuck wire and nominal load on 10T  
(Wave height/period: 2 m/8 sec.)



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