

# SPECIFICATION SHEET

## BCE-001 Bow Cable Engine



### DESCRIPTION:

Oceanteam Cable Solutions builds and owns a large pool of cable handling equipment including equipment such as bow cable engines and linear cable engines.

The operating principles of a Bow Cable Engine (BCE) are similar to a Linear Cable Engine. However, the BCE is mainly used during cable loading (shore-vessel) and transpooling operations. The BCE is lifted by a crane and pulls the cable from the (temporary) storage facility, cable coil or turntable, and feeds the cable in the other direction.

This electrically powered BCE is fitted with 2 hydraulic pumps in tandem (enclosed), of which one is a variable displacement closed loop pump and the other is a fixed displacement open loop pump.

The pump is fully adjustable in constant tension mode due to a selector potential meter. The open loop pumps work through a pressure controlled system and delivers oil to a 4/2-way and 4/3-way valve block. As a result of this, the BCE has a compact shape and relatively low weight, which are both favourable for transport, lifting and operations.

### GENERAL SPECIFICATIONS:

Max pulling force: 25 kN | Operating Speed: 0 – 50 m/min | WLL: 15.5 t  
 MBR: 5m | Working Pressure: 200 bar | Load cell:  $\pm 4$  t bi-directional

Footprint without arms (l x b x h): 1.70m x 1.41m x 2.15m  
 Weight incl. arms: 5.5mT

Wheels: 4x Ø650mm hydraulically driven by internal HPU  
 Monitoring: Tyre pressure monitoring, Encoder for speed and distance  
 Power: 380V, 50Hz, 32A OR 440V, 60Hz, 32A / C Characteristic  
 Star Configuration

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