Full-System Solutions for **Deck Cranes**

Deck cranes - cranes installed on the deck of a ship - come in a wide variety of types and sizes, and are often classified by the specific application for which they are designed. All deck cranes share similar basic functions - lifting, lowering, and positioning a load from one site to another. However, functionality varies greatly depending on where the crane is being used.

Deck cranes designed to move loads when a ship is docked in the quay handle much smaller loads than deck cranes for offshore International Association of Classification Societies (IACS).

applications, which need to manage several hundred tons, often while ships are floating in a stormy sea.

Customizable design options include hydraulic and electric drivelines; telescopic, knuckle, or lattice booms; a range of control system features to improve accuracy; and environmental features to optimize performance based on worksite conditions. Dana works with customers to ensure that all local standards are met, as well as regulations set by the



Brevini® Axial Piston Pumps

Displacement up to 226 cc Medium- and high-pressure options Fixed and variable displacement available Open or closed loop circuit ATEX certification

Environmentally Acceptable Lubricants (EAL fluids

Suitable for working in harsh and aggressive environments



Brevini® Proportional **Directional Valves**

Oil flow up to 1,000 lt/min High modularity ATEX certification Remote control, electronic operation Smooth control co improve operation functionality and accuracy



Brevini[®] Industrial Planetary Gearboxes – S Series

Main winch drives Ratio range up to 5.000:1 Modular design Input flange for hydraulic or electric prime motor Compact, light solutions for a perfect fit on machine frames Marine painting cycle Third-parties marine certification available



Brevini[®] Winch Drives

Winch drive for auxiliary hoist system Ratio range up to 6.000:1 Maximum torque up to 850 kNm Third-parties marine certification available Inline and right angle configuration versions available Electric motor connection available ATEX certification Integrated hydraulic failsafe negative brake and electromagnetic brake available Safety devices available as back stop, torque limiter, and sensors



Brevini[®] Axial Piston Motors

Main hoist drive motors Marine painting cycle Fixed and variable displacement displacement up to 216 cc/rev Seven or nine piston options technologies Wide range of control valves Third-parties marine and ATEX certification Environmentally acceptable lubricants (EAL fluids) Suitable for working in harsh and aggressive environments



Brevini[®] Evolution [™] Series Winches

Winches for auxiliary hoist system Line pull up to 30 tons Third-parties marine certification available Wide range of safety controls Equipped with Brevini® high speed axial piston motor Man-lifting capabilities



Brevini[®] Planetary Gearboxes -**Slewing Drives**

Torque range up to 370 kNm Modular design, inline or right angle configuration

Range of output support configurations (low angle, long and short support with eccentricity)

Failsafe negative brakes

Input flange for hydraulic and electric prime motor

Compact, light solutions for a perfect fit on machine frames

Flexible output pinion to meet customer needs

Product marine/offshore class certification available Special solutions to meet requirements for low climate and ATEX certifications









Active Heat Compensation Main Hoist Drive

