



Dana Introduces New Series of Brevini™ Heavy-Duty Winch Drives for Marine, Offshore Applications at SMM 2018

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HAMBURG, Germany, Sept. 4, 2018 /PRNewswire/ -- Dana Incorporated (NYSE: DAN) today announced a new series of Brevini™ heavy-duty winch drives for marine and offshore applications. This new series includes five different sizes to support output torque from 80 to 850 kNm, and a ratio range of up to 6.000:1 with hydraulic or electric motor options.



Currently in the final validation phase of pre-production testing, this new series of winch drives will be available in the first quarter of 2019 and is on display as part of Dana's full-system solution for deck cranes at SMM, Sept. 4-7, in hall A3, stand 301 at the Hamburg Messe exhibition hall.

This series is designed to operate as the winch drive for an auxiliary hoist system on ship loaders, deck cranes, cable and pipe-laying tensioners, rubber-tyred gantry cranes, and other maritime equipment. Engineered for personnel lifting applications in the marine industry, these winch drives have been designed to meet third-party marine certifications, including API 2C and ATEX standards.

"The marine industry includes both onshore port applications and offshore marine settings. With such an extensive assortment of machines and environments, original-equipment manufacturers often require custom specifications," said Aziz Aghili, executive vice president of Dana and president of Dana Off-Highway Drive and Motion Technologies. "Dana has more than 30 localized service and assembly centers across the globe to support our customers, and is a turnkey provider of design, engineering, manufacturing, and support for motion systems for a wide range of marine applications."

These new, lightweight winch drives have been engineered with a comprehensive range of features, including:

- a sealing system designed to withstand harsh marine environments;
- improved power density;
- housing made from either cast iron or steel;
- high-radial load bearings to deliver reliable lifting performance for heavy loads;
- an integrated hydraulic failsafe negative brake or an electromagnetic brake;
- additional safety features including a back stop, torque limiter and sensors; and
- inline and right-angle configurations.

In addition to winch drives, Dana offers Brevini-brand axial piston motors, axial piston pumps, planetary gearboxes, slewing drives, proportional directional valves, winches, industrial planetary gearboxes, wheel drives, and other motion products for the marine and offshore industry. To learn more, visit www.dana.com/offhighway.

About Dana Incorporated

Dana is a world leader in highly engineered solutions for improving the efficiency, performance, and sustainability of powered vehicles and machinery. Dana supports the passenger vehicle, commercial truck, and off-highway markets, as well as industrial and stationary equipment applications. Founded in 1904, Dana employs more than 30,000 people in 33 countries on six continents who are committed to delivering long-term value to customers. Based in Maumee, Ohio, USA, the company reported sales of \$7.2 billion in 2017. Dana is ranked among the Drucker Institute's listing of the 250 most effectively managed companies. For more information, please visit dana.com.

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