



Innovation News

WATER-COOLED MODEL RANGE WD71-WD315

There are situations in which **high performance in small construction spaces** is necessary, **noise and heat should be kept to a minimum** and a standard motor is not adequate. This is where BEN Buchele comes in:

The new model range of water-cooled three-phase current/induction motors has just been launched from our production plant based in Franconia.

Clear Benefits for You

In comparison with an air-cooled motor, the **same performance** can be achieved for **smaller construction spaces** without problems. By default, this is achieved for the efficiency class IE3 (S1).

With our WD model range, you can achieve significant reductions of the footprint on people and the environment through noise emissions and heat dissipa-

tion. As opposed to air-cooled motors, water-cooled motors do not cause swirling of dust or dirt, making them the ideal solution for **hygienically critical** areas.

Robust and Suitable for Multiple Uses

The longevity and reliability of our motors has gained a worldwide reputation, including our current water-cooled generation. The robust and enduring steel construction is suitable even for the most challenging conditions such as sea water, salty air and ambient temperatures of up to +60°C. At the same time, they can also withstand the toughest conditions in continental heavy industry. Using the **stained-steel op-**



tion, our WD model range can also be used in the food industry or in sectors with aggressive media coverage without causing risks.



Using high-quality, application-sensitive seals and sealants we can achieve protection levels according to IP56/66 and IP67 without compromising performance.

Using special care in the selection process and the application of the paint we can guarantee that BEN motors can reliably withstand any weather or environmental conditions.

As Specific as your Requirements

The unique design of the enclosing assemblies allows customisation of the motors according to your requirements and space conditions. Using the unique and variable **multi-foot attachment** and the thus adjustable position of the attachment casing, the shape of the construction can be modified any time, including on your premises.

The coolant supply openings are located on the non-driving side to allow for problem-free modification. By allowing for flexible adjustment of the casing length sizes, the performance range is from 0.75kW to 250kW with currents up to 690V, for operating modes of S1-S9. It does not make a difference whether your motor is then operated at 50/60Hz or using a frequency converter: All our motors are tailored to our customers' requirements.

Similarly, we can fit them with optional equipment

according to your requirements. Whether it is an added brake, a rotary encoder or non-return device, space heating system, stock controlling or power-insulated storage: The optional combinations of all additional equipment are almost unlimited.

Reliable Operation for You

You can use our latest motors with the type label WD71-WD315 for the operation of the following:

- Combined anchor/mooring winch
- Maritime hybrid engines
- Test facilities
- Printing devices, textile machines, injection machines

In areas

- which are air-conditioned
- that are affected by high room temperatures or radiant heat
- with the required low noise emissions
- in which the radiant motor heat should be used for heat recovery

... and many more modes of operation.

We Love Challenges

Please contact our sales team to learn more.



BEN Buchele
Elektromotorenwerke GmbH
Poppenreuther Straße 49a
90419 Nürnberg GERMANY

Tel. +49 911 3748-0
Fax +49 911 3748-138
info@benbuche.de
www.benbuche.de