

PRESS RELEASE

Aluminium three-phase 380V and 525V motors for industrial applications

***31 March 2016:** The Bauer range of aluminium three-phase 380V and 525V motors, available locally from leading supplier Bearings International (BI), are ideal for industrial applications such as fans, compressors, pumps, sanding machines, pedestal drilling machines, among other applications.*

The main benefit of the Bauer range of aluminium electric motors is that it is far more lightweight than its cast-iron equivalents due to the aluminium casing and end shield, **Lewis Hiepner**, product manager: electric motors at BI, comments.

“This MS range of aluminium three-phase 380 V and 525 V motors has been supplied successfully to the South African market for the past decade,” Hiepner points out. A main feature is the multi-mount design, with the added benefit of being able to change the feet on-site.

This gives the customer the option of having the terminal box on the top or on the left or right hand side, depending on the specific requirements. In addition, Bauer motors can be fitted with an external brake of either an AC or DC type.

The AC brake type is specifically for instant stopping when the power is switched off. Applications include bottling plants where accuracy in the stopping position is critical. DC brakes, on the other hand, are slower in reaction time.

This is due to the brake’s power going through a rectifier in order to convert AC to DC, with a resultant delay. Typical applications include overhead cranes, where stopping accuracy is not as critical.

All Bauer motors conform to the relevant IEC standards, as well as being designed for S1 duty. This means that the motors can run continuously for 24 hours under normal load conditions. Another feature is the Class F insulation, with a ‘B’ temperature rise (80°C plus a maximum ambient temperature of 40°C, giving a total of 120°C).

The manufacturing process use a vacuum pressure impregnation system in the insulation. The motors are also IP55 weather-proof, meaning that they can withstand normal weather conditions, provided that the cable termination to the terminal box is carried out correctly. The Bauer range is also water, dust and even vermin proof.

“It is part of our strategy of being a total solutions partner for our customers in stocking some of the best products and brands from around the world, and Bauer range definitely falls into this category,” **Ross Trevelyan**, Business Unit Head: Product and Engineering at BI, comments.

BI, part of the Hudaco Group, has consolidated its position as a leading distributor of bearings and power transmission products in Southern Africa by launching a new brand identity at the end of last year.

“Our aim is to become a proactive company providing excellent service to our customers to ensure we are the preferred supplier,” **Burtie Roberts**, CEO of BI, emphasises.

Ends

Notes to the Editor

To download hi-res images for this release, please visit <http://media.ngage.co.za> and click the Bearings International link to view the company’s press office.

About Bearings International

Bearings International (BI) is a member of the Hudaco Group. It is a leading distributor of bearings and power transmission products in Southern Africa. With its customer-focused approach, it is committed to delivering value to all stakeholders, offering quality solutions that make a real difference to optimising plant availability and turnaround time. With over 58 years' experience in the bearings industry, BI puts this expertise to good use. It goes to great lengths to ensure that its product range and service meet the changing needs of its clients, industry and business. Backed by an elite technical team, BI covers the full spectrum of customer requirements. It is able to ensure immediate availability of product through its nationwide network of branches.

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