Media Release

Motor of the week – DC gearmotor with the “three P’s”

This DC gearmotor has the advantage of the three P’s - Power, Precision and Price.

One of the most interesting motors delivered this week was a combination of a powerful DC servo motor from KAG with the robust quality of the Apex Dynamics gearhead. This gearmotor combination is also fitted with a DC holding brake. The application is a commercial marine cable winch. The customer initially only had rough requirements for a 24V DC Gearmotor with an inline planetary gearbox at 80:1 reduction and dimensions from an existing gearhead that he would like to replace. After consultation with Apex dynamics application engineers the closest match found was the AE120 – 80 (high reduction 80:1) This gearbox is two stage with a 416 stainless steel construction that is particularly suitable for the marine environment. The gearhead torque rating is 260Nm. After the gearhead was approved by the customer then came the task of selecting a suitable motor. As there was no application data for torque requirements or exact speed requirements, the only option was to offer the largest 24V brushed DC motor available for the gearhead and the application enclosure. The customer also requested a holding brake at 24V as a safety mechanism. The KAG DC motor at 80mm diameter and 250w offers a great price performance ratio whilst still maintaining high end German quality. The resulting combination of motor, gearhead and brake has unrivalled power for price and is manufactured with the highest possible material specifications and precision.

Contact maxon motor Australia in our Sydney office for assistance with quality DC gearmotors.
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The media release is available on the internet at: www.maxonmotor.com.au

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