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Press Release

New brushless DC motor design.

maxon motor release 40mm 130W high torque DC motor.

Based on customer demand for specific torque points from brushless DC motors, maxon motor have released the HT version of the ECi series. With a 30W increase in power the new DC motor is able to deliver 340mNm at almost 4000rpm. The new motors length is 90.8mm. They are already available for ordering and can be coupled with the 42mm ceramic planetary gearbox and a range of digital encoders for speed and position control of the brushless motor. Key features include a stainless steel body and end flanges that are seam welded together to give a seal against dust and water, but this also provides a more robust and long lasting solution than traditional methods like through body bolting or flange pinning. The shaft is pressed and does not contain any clip groove giving a higher radial load strength and increased torsional stability for smooth operation. A maximum winding temperature of 155°C allows for use in tough ambient conditions from -40°C to +100°. The brushless motor is available in 4 standard voltages 18V, 24V, 36V and 48V DC allowing engineers to select speed and torque characteristics to suit gearbox ratios and controller speed ranges for the applications best fit. It is a 16 pole, 3 phase design which gives it the unique running features of both high torque and high maximum speeds of up to 8000rpm.

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The press release is available on the internet at: www.maxongroup.net.au



*40mm 130W high torque
DC motor © maxon
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The Swiss specialist for quality drives

maxon is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 3000 employees at nine production sites and is represented by sales companies in more than 30 countries.