Small DC servo gearmotor for irrigation application.

The DCX servo gearmotor – iconic exterior, custom interior.

For irrigation and agriculture applications DC motors require specific features to achieve long lasting results. Efficiency is key. Solar applications in remote locations cannot afford any compromise on efficiency. The self-supporting, rhombic, ironless winding of the DCX motor is at the core of the motors capability. They achieve power density levels that are simply not possible with traditional laminated stack iron cored motors. It is also worth considering that the efficiency of many DC motors is based on peak levels and the ability of the motor to operate with reasonable current consumption across the range is something that must be evaluated at the design phase. The DC servo gearmotor pictured here has a standard -40 to +85 degree operating range and the planetary gearhead itself has been specifically modified with a custom spec Petamo lubrication and 50% increased fill levels to operate at high ambient temps for long periods. The external surface finish is clearly a more suitable option over zinc passivated surfaces which have a tendency to oxidise even in mild operating environments. Scaled gearing of the GPX gearheads allows for quiet operation and all steel construction. It is possible now to custom specify almost any feature of the motor and gearbox combinations and still have them shipped out to you in 11 days.

Contact a sales engineer at maxon motor Australia for application assistance +61 2 9476 4777.

Length of this press release: 244 words

The media release is available on the internet at: www.maxonmotor.com.au