



TOTAL STAINLESS MOTOR/GEARBOX PACKAGE ENSURES EASY CLEANING AND CORROSION ELIMINATION

A complete stainless steel bodied motor/gearbox solution is now available from Marlin Stainless. It has been developed specially for industries that make heavy demands on hygienic, easy-to-clean designs that are free from potential contamination hazards, like flaking paint and rusty surfaces.



The worm gearboxes are designed with smooth, acid-resistant stainless steel bodies and hollow shafts with life lubricated gears. They are available with centre distances of 31, 42 and 61mm with ratios from 5:1 to 75:1. Torques range from 0.9Nm to 208Nm and options include gears with torque pins, food spec lubricants and various output shaft designs. Other adaptations can be offered upon request.

This worm gearbox and IP66 rated Marlin AC 3-phase IEC all stainless steel electric motor package is ideal for both OEMs and end-users as retro-fit replacements, offering compatible metric dimensions to standard alternatives.

The corrosion resistance and hygienic characteristics of the motor are enhanced by its smooth exterior, having no cooling fins or nameplates (data is etched into motor body) to harbour germs

and dirt. Complementing these hygienic design features are an NTN Blue double lip seal and a GAMMA seal fitted on the shaft to guard against any risk of ingress to the motor.

For internal protection against moisture, and provide compatibility with inverter control, the motor stator windings are double vacuum and pressure impregnated and phases are insulated.

To overcome the inherent condensation problem associated with electric motors exposed to internal and external temperature differences, the Marlin motors have four quadrant drain ports in each end shield that will accept 'T' drain plugs on removal of grub screws. This ensures that there will always be a drain plug at the lowest point of the motor.

They are offered in power ratings from 0.18 to 7.5 kW in metric frame sizes up to 132 as TEFC machines. Smaller units (up to 0.75 kW) are also available from 63 frame size as TENV machines.

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