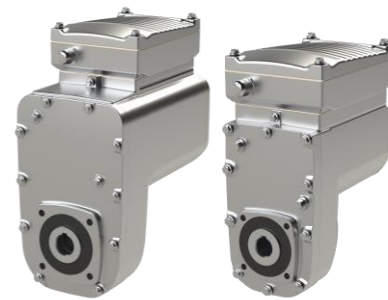


MOVIGEAR® classic

Stainless Steel Design



Potential Uses / Typical Applications



Meat processing:

belt conveyors, curved conveyors, and incline conveyors for transporting raw ingredients and finished products between processing and packaging machines.



Fish and seafood:

sorting of the catch by size, quality control, distribution to various processing or packaging stations



Frozen food sector:

cooling of freshly processed foods, freezing processes for frozen products.

The benefits at a glance



Robust!

Due to its hygienic design, MOVIGEAR® classic in stainless steel design is suitable for demanding environmental conditions involving high humidity and regular washdowns with aggressive cleaning agents.



Efficient!

High power density and energy efficiency combining helical gearing and permanent magnet motor efficiency ranging from IE5 to IE6 (according to IEC TS 60034-30-2)



Certified!

High-quality stainless-steel housing and FDA-compliant seals, sustainably meets the strict hygiene regulations and high standards of the food industry.

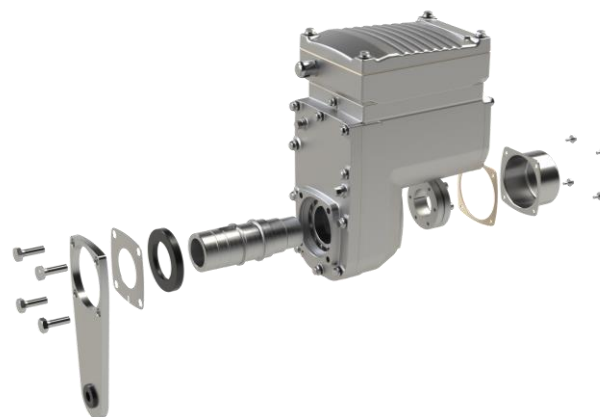


Consistent!

As part of the MOVI-C® modular automation system enables faster planning and commissioning with seamless integration for decentralized and centralized installations.

The technology at a glance

- **Compact, fully integrated drive unit**, consisting of a perfect combination of permanent-magnet motor and helical gear unit
- **High system efficiency**, across the entire load and speed range
- **IP66–IP69 protection ratings** for demanding environments
- **Ready for any mounting position out of the box**, enabled by an innovative pressure compensation system –
- **Easy Plug-and-Paly inverter integration** with the **MOVI-C® modular automation system**, either near the motor or in a control cabinet
- **Up to 300% overload capacity** for demanding applications
- **Wide operating temperature range** from -22°F to +68°F (-30°C to +20°C), extendable to +104°F (+40°C) with derating.
- **Fanless convection design, up to 75% quieter** than conventional AC gearmotors
- **Simplified mechanical install** with TorqLoc® option in imperial and metric
- **Flexible motor connection** via cable gland or stainless steel M23 connector



Size	MGF..2-DSM-C/ES	MGF..4-DSM-C/ES
Weight	50 lb / 23 kg	95 lb / 43 kg
Torque Class	1,770 lb.in / 200 Nm	3,540 lb.in / 400 Nm
Nominal Power	1.13 HP / 0.84 kW	2.8 HP / 2.1 kW
Output Speed Range (at n=2000 rpm)	36.5–593.5 rpm	35.4–566.6 rpm
Output shaft diameter	1.0, 1.25 , 1.4375 inches / 25, 30 , 35 mm	1.25, 1.4375, 1.5 inches / 30, 35, 40 mm
Motor Control	Open-Loop with ELSM®, Closed-Loop with CFC (<u>Absolute DDI Encoder: AZ1Z</u>)	
Housing Material	Stainless steel casting grade 1.4408 (equivalent to AISI 316, V4A)	