Goodbye to corrosion:
Geared motors
for wet areas

Advantages at a glance

- Integrated and highly cost-effective solutions for all drive tasks from standard to high-feature applications
- Optimum design for extreme environmental conditions indoors and out
- Selective surface treatment
- Special, corrosion-resistant materials
- Many options thanks to modular extension concept

Typical applications

- Food and beverage industry, e.g. in bottling plants or bottle-washing machines
- Water/wastewater
- Outdoor cranes or conveyor belts
- Chemical industry
- Saline environments
- And many other applications

geared motors

Whether saline water, jet water spray, oil or dirt, nothing much bothers our geared motors. Thanks to a selective surface treatment technique and the use of special corrosion-resistant materials, these motors defy rough and moist environmental conditions with absolute reliability, both indoors and out. And just so that you can completely fulfill your particular demands, our concept offers you an infinite range of options.

SIEMENS

Options for wet areas

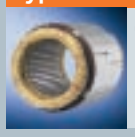
Protective top cover

Option K33
Additional protective cover for vertical designs

Rustproof rating plate

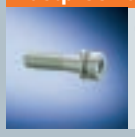
Standard
Rating plate of rustproof and acid-resistant material
Laser-machined rating plate data

Type for use in 100% humidity



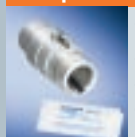
Option P65
Motor winding humidity rating 2 (double enamelled wire (2K wire), double impregnation, soldered joint insulation)

Rustproof bolts

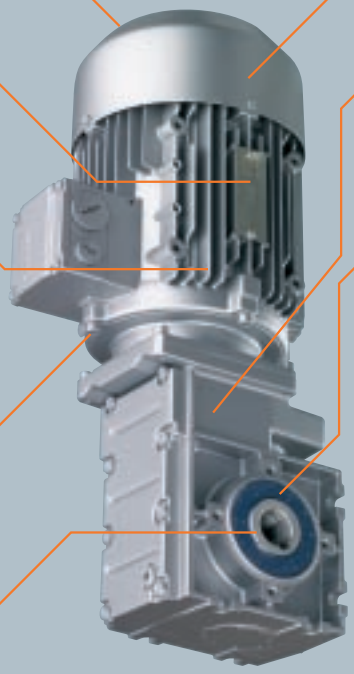


Option M27
Bolts of rustproof and acid-resistant material

Rustproof drive shafts



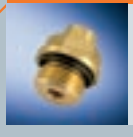
Specially designed drive shafts of acid-resistant and rustproof material, in addition Tectyl paste to stop frictional corrosion



Brake with enhanced corrosion protection

Option P11
Brake with chrome-plated armature disk and friction plate, brake secured with high-grade steel bolts

Pressure vent



Option S19
Rustproof vent plug for gearing size 4 and larger; no additional venting required for gearing up to size 3

Encased shaft sealing ring

Option S35
Decoupled sealing system prevents ingress on shaft caused by corrosion or dirt

Bore holes for condensate

Option L12
Bore holes for condensed water in the deepest point of the motor, depending on design

Modular sensor design

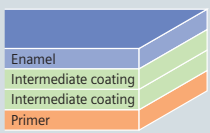
Options P57–58, P30–37
All sensors have IP66 protection

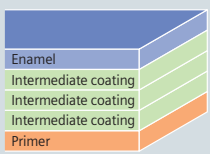
IP56 protection

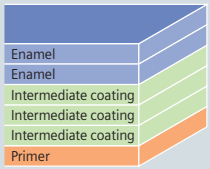
Option K52
Protection against strong jet water from any direction

Protective coatings

Version	Option P66	Option P67	Option P68
Primer	1 x immersion primer Layer thickness 30–40 µm	1 x immersion primer Layer thickness 30–40 µm	1 x immersion primer Layer thickness 30–40 µm
Intermediate layer	2 x two-component epoxy resin Layer thickness 80 µm	3 x two-component epoxy resin Layer thickness 150 µm	3 x two-component epoxy resin Layer thickness 150 µm
Enamel or	1 x two-component epoxy resin Layer thickness >30 µm	1 x two-component epoxy resin Layer thickness >30 µm	2 x two-component epoxy resin Layer thickness >70 µm
"UV-resistant" enamel (also order Option P69)	1 x two-component polyurethane Layer thickness >30 µm	1 x two-component polyurethane Layer thickness >30 µm	2 x two-component polyurethane Layer thickness >70 µm
Additional measures	Protective cover inside >50 µm two-component epoxy resin protective coloring; BS bearing shield >50 µm two-component epoxy resin		
Standard layer thickness, approx.	110–150 µm	180–220 µm	220–260 µm
	4 layers of enamel	**5 layers of enamel**	**6 layers of enamel**







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