

Who we are

Since 1957 EW Hof engineers, produces and sales electric motors and generators for application-optimized drive solutions based on many years of experience and a sophisticated quality concept. As a producer of special motors in the field of plant and energy technology we focus on the individual requirements of our customers.

The range of EW Hof products matches the industrial diversity of our customers: The product portfolio covers dc-, torque- (direct drives), ac asynchronous-, ac synchronous-, stepper and servo motors as well as battery-powered drives and generators. Depending on the product the motors and generators are produced from a frame size of 63 to 650. Highly specialized engineers and technicians are able to find an optimal way to solve almost every drive task.

The EW Hof company group consists of two locations with the headquarter in Hof / Germany (north bavaria) and the subsidiary ESPO in Rožnov / Czech Republic.

DC-motors

- type series GV, GM, GO
- power band 0,2 – 380 kW
- full-laminated or solid
- various degrees of ventilation
- protection IP 21-P 65
- insulation class F or H
- range of armature voltage
150-600 V
- in combinationen with tachometer,
incremental encoder, brake or gear



Torque motors / direct drives and -generators

- type series SEC
- power band 32,5 – 377 kW
- alternatively as synchronous-
or asynchronous motor
- 500-50.000 Nm
- liquid- or air-cooled constructions
- optional for open or
half-open cooling systems
- speed 50 - 1.000 min⁻¹
- customer and application fitted
production machines, wind power
systems and hydro power plants



AC asynchronous motors

- type series DK, DA
- power band 0,67 – 600 kW
- high power density by compact design
- axial or radial ventilation
- water-cooled construction
- protection IP 23-IP 65
- special speed up to 12.000 min^{-1}
- in combination with incremental encoder,
absolute value encoder, sin-cos-encoder,
brake and gear



AC synchronous motors

- type series SEC
- power band 1,35 – 377 kW
- highest power density
- high overload factors
- axial or radial ventilation
- water-cooled construction
- protection IP 23-IP 55
- in combination with incremental encoder,
absolute value encoder, brake and gear



Battery-powered drives

- alternatively as AC- or DC-version
- type series GN / GM und DK / ASM
- power band 0,2 – 32 kW
- protection IP 00-IP 65
- various ventilation systems
- in combination with brake, impuls encoder, sensor bearing, tachometer, gear and pump
-  explosion-proofed constructions



Stepping motors / Servo motors

- type series KS 057, KS 060, KS 085, KS 110
- 2- or 3-phase motors
- step angle 0,036° - 1,8°
- 200 - 10.000 steps per revolution
- 0,1 - 20 Nm
- protection up to IP 65
- in combination with impuls encoder, brake and gear



Ex explosion-proofed motors

- alternatively as DC- or AC-drive
- type series GV, GN, GM, DK, ASM, SEC
- group of device I and II, category 1-3
- explosion protection for gas and dust
- temperatur class T3-T6
- types of protection d, de, e, pe, n, nA



Generators for CHP (Combined Heat and Power)

- type series DA, SP, SEC
- power band 2,5 – 90 kW
- asynchronous- or permanent-magnet synchronous generators
- liquid- or air-cooled construction
- highest efficiency rates
- compact design and maximum functionality
- single and dual bearing version or as stator/rotor set
- mains parallel and / or isolated operation
- optimized electrical configuration
- SAE flange or customer-specific assembling
- identical power rates at different generator frame sizes



"Special applications"

- shock resistant compressors and blower motors for railway applications
- auxiliary exciter for gas turbines
- permanent excited synchronous motors and generators
- pendular machines
- motors in sea-water-proofed quality
- dc-motors for pump drives in power plants
- high-speed motors for heavy-duty in the steel industry
- different special constructions and developments by customer requirement specification



Our customers...



KUKA



MOOG



SIEMENS

Atlas Copco



ASTES ASANSÖR SAN VE TİC. A.Ş.

ALSTOM



...and their products



pitch motors for wind power systems



traction and pump drives for platform systems



Ex-traction and pump drives for forklifts



gearless motors for lifts



generator for CHP



direct drives for shredder, pulper plants, OEM-solutions



diverse traction motors:
e.g. pantograph drives



drives for balancing machines



drives for flexo printing machines



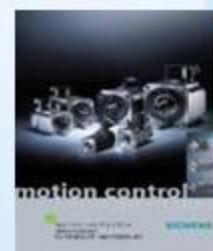
motors for emergency lube oil pumps



drives for chassis dynamometer



underwater generators for water courses



Ex-synchronous series of motors



positioning drives for glass production

Repair and Service

Your innovative provider for repair and service.

We are repairing dc- and ac-motors / generators of all brands.

Our services for you:

- worldwide mobile service
- burning out with care for the material in the pyrolysis oven
- collector overturning, balancing
- assessment of commutation, control of carbon brushes
- maintenance and servicing of motors
- winding repairs
- checking in accordance to EN 60034
- load test and measuring of the torque and, and, and ...

Figures and Facts

- 158 employees
- 13 Mio. Euro turn-over (2013)
- approx. 5.000 motors p.a.
- 2 locations – Hof (founded 1957) and
Rožnov pod Radhoštěm (founded 1994)
- ISO 9001/2000 certificated
- PTB-Certification for Ex-production
- Member of the **AdCapital** AG

Location Hof

Here are working for you 42 employees:

- Development and Construction
- Sales Department / Marketing
- Purchasing
- Accounting Department / Controlling
- Test bench / Diagnostic room
- Repair and Service
- Quality Management

Location Rožnov / CZ

Here are working for you 116 employees:

- Mechanical manufacturing (conventionally and CNC)
- Electrical manufacturing
- Impregnation
- Quality Management
- Test bench
- Forwarding Department
- Tool and device construction





Solutions to move

Business Group



Bavaria Digital Technik

