

Synchronous Water Cooled Spindle Motors

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The HW servomotors are water-cooled brushless synchronous motors delivered as individual components (rotor, stator and resolver) to make a complete spindle unit. These motors are driven by AC890 or Compax3 Series servo drives.

- Permanent magnet cold rotor
- Compact size with low rotor inertia
- Stable balancing
- Speed range to 50000 RPM
- Reduced maintenance
- High torque at zero speed
- Positioning capability

EX Series Explosion Proof Servo Motors

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The EX Servo motors are designed to function in Category II, Group II explosive atmospheres in respect to the EN 50014 standard. These servo-motors are certified according to directive ATEX 94/9/CE and are available in a Gas or Gas-Dust version. The motors differ in that the Gas-Dust version is equipped with a special lip seal on the customer end shaft.

- Explosion-proof material “D” according to directive ATEX 94/9/CE
- Extremely compact
- High dynamics
- Integrated resolver does not require an additional encoder
- Bearings greased for life do not require maintenance

Series	EX300	EX400	EX600	EX800
Stall torque (Nm) (lb-in)	1.75 (15.5)	3.5 - 4.8 (31 - 42.6)	7 - 10 (62 - 89)	14 - 35 (124 - 311)
Stall current (Arms)	1.7-3.1	1.7 - 8.2	7.4 - 14.2	13.5 - 40
Rated speed (rpm)	Up to 4000	Up to 4000	Up to 4000	Up to 3600
Inertia (Kgmm ²)	79	290, 430	980, 1470	3200, 6200, 9200

