

Product Announcement

The Standard Drive That Matches
Any Application

**Extension of the CMP synchronous
servo gearmotor series
by sizes 71 - 100**





The basis for a successful automation solution: The tried and tested CMP servo gearmotor

Labeling or sealing tasks in the food and beverage industry with 1,200 cycles or stacking heavy loads weighing 1,200 kg in the construction, automotive or timber industry – almost always, there is a CMP servomotor from SEW-EURODRIVE behind it. The newly developed sizes 71*, 80* and 100* also open up the range up to 164 Nm peak torque. They combine all advantages of the known CMP servomotors with those of the proven DS/CM motors.

Overview of the CMP servomotor series

Together with gear units, MOVIAXIS® and MOVIDRIVE® servo inverters, prefabricated cables, controllers and operator panels from the modular SEW-EURODRIVE concept, a complete system is available for your automation solution.





- Very compact, convection-cooled motor
- Can be mounted directly to the helical [R], parallel-shaft helical [F], helical-bevel [K], helical-worm [S] and SPIROPLAN® right-angle gear units [W] as well as to the low-backlash planetary [PS.F and PS.C] and hypoid right-angle gear units [BS.F] with a positive connection
- Choice of highest dynamics or designed for heavy loads
- The formula $M = J \times \alpha$ has had a decisive influence on the construction of motors. The CMP achieves high angular accelerations while using very little energy. The CMPZ has the required intrinsic inertia for heavy loads and minimizes churning losses and gear unit ratios
- Resolver, or scalable Hiperface® encoder with electronic nameplate as an option
- A new freedom to select the brake that matches the travel cycle and the application. 2 different brake systems with scalable braking torque and a manual brake release option. The brake with a high working capacity is reliable and durable even in case of continuous braking work
- Meet the   standard and ATEX II2GD
- Highest level of reliability, availability and durability

Technical data overview

Type	Speed category [rpm]	M_0 [Nm]	M_{max} [Nm]	J_{mot} [kgcm ²]	
				CMP	CMPZ
CMP71S/ CMPZ71S	3000/ 4500/ 6000	5.8	18.3	2.4	10.4
CMP71M/ CMPZ71M	3000/ 4500/ 6000	8	27.5	3.3	11.3
CMP71L/ CMPZ71L	3000/ 4500/ 6000	12.5	45.8	5.3	13.3
CMP80S/ CMPZ80S	3000/ 4500/ 6000	12	40.6	6.5	28.5
CMP80M/ CMPZ80M	3000/ 4500/ 6000	17	61	9.5	31.5
CMP80L/ CMPZ80L	3000/ 4500/ 6000	26	102	15.1	37.1
CMP100S/ CMPZ100S	3000/ 4500	18.5	66	14.7	64.7
CMP100M/ CMPZ100M	3000/ 4500	27	98	21.1	71.1
CMP100L/ CMPZ100L	3000/ 4500	45	164	33.8	83.8

Overview of benefits

- Quick and reliable project planning for all system components with SEW Workbench
- Motor mounted to the gear unit and pre-fabricated cables for quick installation
- Electronic nameplate for quick and simple startup
- Low-inertia rotor of the CMP minimizes the percentage of energy required for motor acceleration
- High degree of flexibility for matching speeds and torques due to large variety of gear mounting options
- Powerful rotor of the CMPZ controls even extreme loads stiffly, safely and accurately
- Finely scaled and stepped motor range with 17 levels
- Powerful spring-loaded brake with working capacity suitable for hoist axes
- Can be used worldwide thanks to  
- Quick support by global assembly centers

* available as of 4th quarter 2008



How we're driving the world



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Driving the world

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