

Now even more power in a small space

SPIROPLAN® right-angle gear units
in sizes 10, 20 and 30



SPIROPLAN® right-angle gear units in sizes 10, 20 and 30 – quiet, lightweight solutions

SPIROPLAN® right-angle gearmotors are reliable and quiet, delivering output torques up to 70 Nm in the power range from 0.09 to 1.1 kW. At the heart of the gear units is the unique, wear-free, efficient and exceptionally low-noise SPIROPLAN® gearing. Coupled with a compact design and aluminum housing, SPIROPLAN® right-angle gear units are both lightweight and outstandingly cost-efficient.



Higher torques deliver even better performance

Calculation

The combination of new lubricants and new calculation methods that have been tested and certified in comprehensive and highly intensive procedures means we can offer you higher permitted torques for our small right-angle gear units in the SPIROPLAN® series. Our W..10, W..20 and W..30 sizes benefit from the higher torques, particularly in the small gear ratio range. The increases in torque extend from +4% to +115%.

Lubrication

Besides lubricating the gearing, gear oils also play a significant role in heat dissipation in gear units. Our new lubricants in the SEW GearOil series boost gear unit performance by reducing friction in the gearing and enhancing heat dissipation. SEW GearOil forms a highly effective lubrication film on the gear wheels, which increases the service life of both the lubricant itself and wear parts such as sealing rings and bearings.

More power or more reserves

The increased torques mean you can ideally opt for a smaller size, as you can now absorb higher torques in a smaller space or, if you cannot vary the gear unit size, you have greater safety/reserves in your drive.

Efficiency

It goes without saying that the increases in torque do not change any other factors. Even when applied to gearmotors, the SPIROPLAN® design achieves greater efficiency while continuing to offer the low-noise operation you're familiar with. Combined with our new, small DRN.. motors (DRN63, DRN71 and DRN80), here, too, they enable you to achieve energy efficiency class IE3 easily and cost-effectively.



As the oil fill is independent of the mounting position, SPIROPLAN® right-angle gear units/gearmotors can be used in any application and are virtually maintenance-free. The gear ratio range offers the highest output speeds, together with optimized mechanical efficiency.



W.. series / sizes 10, 20, 30

W..10			W..20			W..30		
Gear ratio i	M _{amax} Nm	Motor power kW	Gear ratio i	M _{amax} Nm	Motor power kW	Gear ratio i	M _{amax} Nm	Motor power kW
6.57 – 75.00	Up to 30	0.09 – 0.55	6.57 – 75.00	Up to 45	0.12 – 0.75	6.57 – 75.00	Up to 70	0.12 – 1.1

Overview of increases in torque

W..10			W..20			W..30		
Gear ratio i	M _{amax} NEW Nm	Increase %	Gear ratio i	M _{amax} NEW Nm	Increase %	Gear ratio i	M _{amax} NEW Nm	Increase %
6.57	19	+58	6.57	24	+20	6.57	62	+55
8.20	23	+92	8.20	29	+45	8.20	65	+63
10.25	28	+115	10.25	36	+44	10.25	63	+26
14.33	24	+9	14.33	45	+50	14.33	69	+15
16.50	27	+35	16.50	38	+27	16.33	68	+13
19.50	30	+20	19.50	42	+20			
27.50	27	+13						
35.50	28	+12						
39.00	26	+4						



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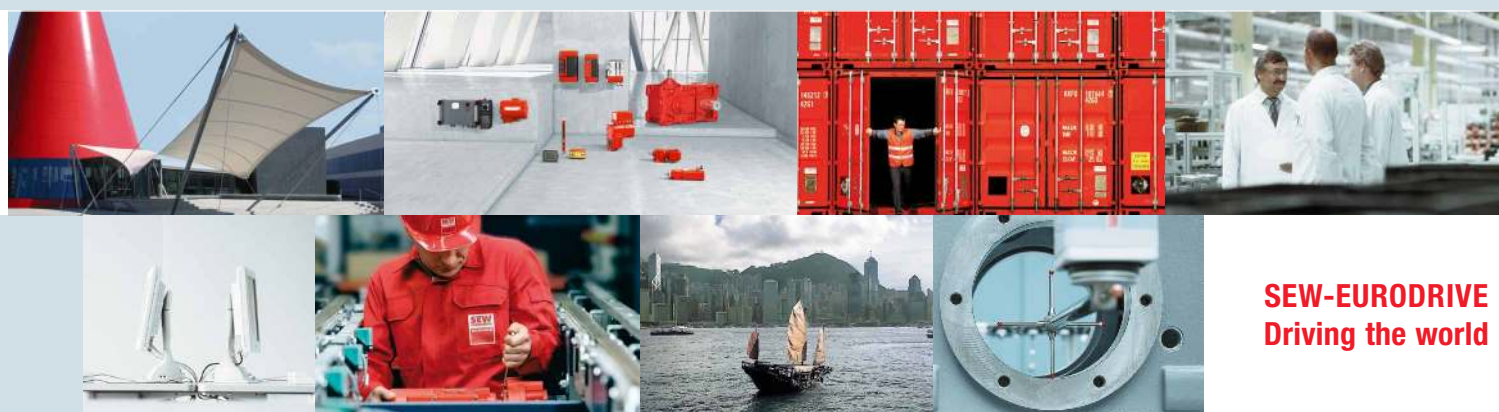
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