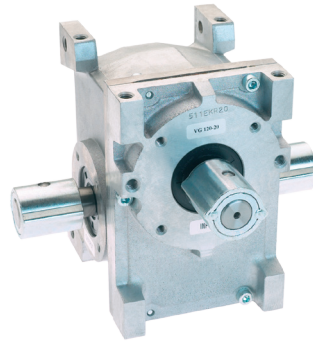




VG120 ANGLE GEAR



For use wherever reduced speed is required

Highlights

- Gearing for reduced speed
- Gearing is mounted as a gearing down

Senmatic produced the first gear motors for opening of windows in greenhouses already in 1953. Since then development has been constant. Senmatic's gear motors are produced from modern materials: aluminium, high alloy steel and bronze. The production takes place on our own computer-controlled tooling machines, under constant quality control.

VG120 is constructed to be combined directly with the Senmatic MultiVent system. However, the 1:20 gearing means the angle gear is useful everywhere a gearing for reduced speed is required.

The angle gear is produced with a simple worm gear. VG120 is a quality gear with all shafts supported in ball bearings, to obtain the best support with a minimum of friction loss together with a comparatively noiseless running.

The shafts are made in high quality steel, the worm gear in bronze. The gear box has been made in light alloy (aluminium). Shaft sealings are EPDM labial rings. There is a through-going output shaft Ø20 mounted with profile coupling pieces. The gearing is mounted as a gearing-down, meaning that 20 rotations on the input shaft gives 1 rotation on the output shaft. There is a single input shaft supplied with a profile pipe piece for profile pipe coupling. The gear motor is filled with oil and completely closed which means that the gear needs no maintenance.

The VG120 is also available with crank.

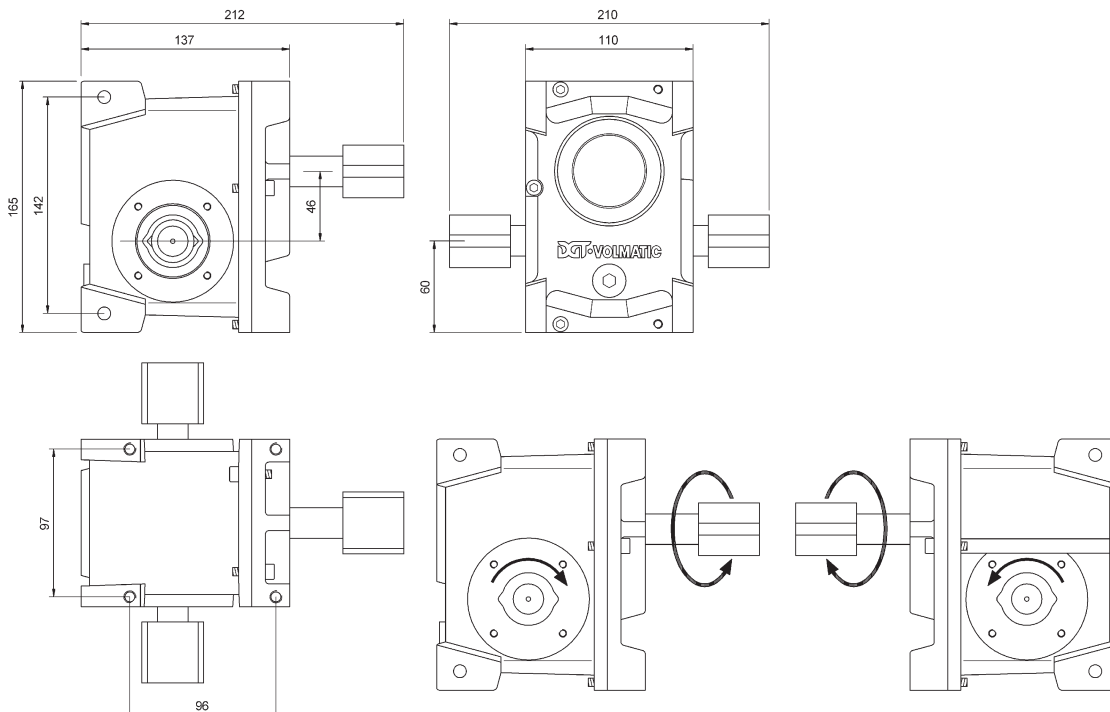


SPECIFICATIONS / VG120 ANGLE GEAR

Technical specifications

Max. load, output shaft	Please study table below
Gearing N2:N1	Please study table below
Effect	0.5
Oil contents	0.8 L
Oil type	BP-GR XP 220, mineral oil
Weight	5.5 kg

Item	Ration	Torque max.	Efficiency	Self-locking	Max. rev.
<i>Type</i>	<i>N2:N1</i>	<i>Nm</i>	<i>η</i>		<i>N1 rev. / max.</i>
VG120-1H	1:1	95	0.70	No	565
VG120-1V	1:1	95	0.70	No	565
VG120-2H	1:2	95	0.70	No	450
VG120-2V	1:2	95	0.70	No	450
VG120-20H	1:20	195	0.50	Yes	1190



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