

Atlas Copco



# Oil-injected rotary screw compressors

## Variable Speed Drive technology

GA 22-37 VSD



### Important VSD savings and sustainability

Trust the pioneer in Variable Speed Drive compressors to always deliver powerful VSD savings and sustainability. The Atlas Copco GA 22-37 VSD matches your air demand by adjusting its motor speed, giving you energy savings of up to 50% and a reliable performance in the harshest conditions. Revolutionary new features such as the Neos Next inverter and a Ferrite-Assisted Synchronous Reluctance motor are built into a vertical, compact canopy to allow installation in the smallest room or at the point of use.



Up to 50% energy savings



### Energy savings

- Energy savings of up to 50% compared to fixed-speed GA models.
- FASR motor equals IE5 motor efficiency standards.
- Additional energy savings with up to 80% heat recovery.
- Advanced connectivity features maximize efficiency.



### Absolute reliability

- Robust performance in hot, dusty and dirty environments.
- Fewer components mean increased uptime and less maintenance.
- Maintenance notifications and machine status available via SMARTLINK messages.



### Strong performance

- 12% Free Air Delivery (FAD) increase compared to fixed-speed units.
- Small footprint thanks to vertical build.
- SMARTLINK real-time, app-controlled remote monitoring and optimization.



## The standard in Variable Speed Drive design

### 1 IP-66 protected drive train

- Ferrite-Assisted Synchronous Reluctance motor equals IES standards.
- Oil-cooled for maximum efficiency.
- No gears or belts means no transmission losses.

### 2 Neos Next inverter

- Combines the functionality of an entire electrical cubicle in one compact unit.
- IP54-protected from dust and dirt.
- Inverter and FASR motor exceed IES2 (EN 50598) requirements for power drive efficiency.

### 3 Elektronikon® Touch controller

- High-tech controller with warning indications, compressor shutdown and maintenance scheduling.
- Standard SMARTLINK remote monitoring to maximize air system performance and energy savings.

## Technical specifications

Compressor type	Max. working pressure		Capacity FAD* min-max			Installed motor power		Noise level**	Weight (kg)	
	bar(e)	psig	l/s	m <sup>3</sup> /h	cfm	kW	hp	dB(A)	kg	kg
<b>GA 22 VSD</b>										
	4	58	13.25-75.08	47.7-270.3	28.1-159.1	22	30	68	387	516
	7	102	13.06-74.73	47-269	27.7-158.3	22	30	68	387	516
	9.5	138	12.91-63.37	46.5-228.1	27.4-134.3	22	30	68	387	516
	13	189	12.75-53.63	45.9-193.1	27-113.6	22	30	68	387	516
<b>GA 26 VSD</b>										
	4	58	13.25-77.89	47.7-280.4	28.1-165	26	35	71	392	533
	7	102	13.06-77.52	47-279.1	27.7-164.3	26	35	71	392	533
	9.5	138	12.91-71.63	46.5-257.9	27.4-151.8	26	35	71	392	533
	13	189	12.75-64.47	45.9-232.1	27-136.6	26	35	71	392	533
<b>GA 30 VSD</b>										
	4	58	13.25-97.83	47.7-352.2	28.1-207.3	30	40	71	405	545
	7	102	13.06-97.43	47-350.7	27.7-206.4	30	40	71	405	545
	9.5	138	12.91-85.62	46.5-308.2	27.4-181.4	30	40	71	405	545
	13	189	12.75-71.04	45.9-255.7	27-150.5	30	40	71	405	545
<b>GA 37 VSD</b>										
	4	58	13.25-115.8	47.7-416.9	28.1-245.4	37	50	71	409	550
	7	102	13.06-115.58	47-416.1	27.7-244.9	37	50	71	409	550
	9.5	138	12.91-102.84	46.5-370.2	27.4-217.9	37	50	71	409	550
	13	189	12.75-86.94	45.9-313	27-184.2	37	50	71	409	550

\* Unit performance measured according ISO 1217 ed. 4 2009, annex E, latest edition.

\*\* Mean noise level measured at a distance of 1 m at max. working pressure according to ISO 2151:2004 using ISO 9614/2 (sound intensity method); tolerance 3 dB(A).

**FAD is measured at the following effective working pressures:**

- 4 bar(e)
- 7 bar(e)
- 9.5 bar(e)
- 12.5 bar(e)

**Maximum working pressure:**

13 bar(e) (191 psig).

**Reference conditions:**

- Absolute inlet pressure 1 bar (14.5 psi).
- Intake air temperature 20°C/68°F.

## Dimensions

	Dimensions (A x B x C)	
	mm	in
GA 22-37 VSD Pack	870 x 854 x 1725	34.25 x 33.22 x 67.91
GA 22-37 VSD FF	870 x 1330 x 1725	34.25 x 52.36 x 67.91



## Options

- Energy recovery
- Dryer bypass
- Main switch
- Freeze protection
- Heavy duty inlet filter
- Pre-filter
- IT ancillaries
- DD filter
- FoodGrade ultra oil
- UD+ filter
- Roto Synthetic Xtend oil
- EQ2i/EQ4i/EQ6i
- High ambient version
- Tropical thermostat