

Atlas Copco

Oil-injected rotary screw compressors

Variable Speed Drive technology

GA 22-45 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 22-45 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 an iPM 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.
- iPM 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 IP66-protected drive train

- iPM motor equals IE5 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 iPM 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	Working pressure		Capacity FAD* min-max			Installed motor power		Noise level**	Weight (kg)	
	bar(e)	psig	l/s	m³/h	cfm	kW	hp	dB(A)	Pack	Full Feature
GA 22 VSD										
	4	58	13.3-75.1	48-270	28-159	22	30	68	387	516
	7	102	13.1-74.7	47-269	28-158	22	30	68	387	516
	9.5	138	12.9-63.4	47-228	27-134	22	30	68	387	516
	12.5	181	12.8-53.6	46-193	27-114	22	30	68	387	516
GA 26 VSD										
	4	58	13.3-77.9	48-280	28-165	26	35	71	392	533
	7	102	13.1-77.5	47-279	28-164	26	35	71	392	533
	9.5	138	12.9-71.6	47-258	27-152	26	35	71	392	533
	12.5	181	12.8-64.5	46-232	27-137	26	35	71	392	533
GA 30 VSD										
	4	58	13.3-97.8	48-352	28-207	30	40	71	405	545
	7	102	13.1-97.4	47-351	28-206	30	40	71	405	545
	9.5	138	12.9-85.6	47-308	27-181	30	40	71	405	545
	12.5	181	12.8-71.0	46-256	27-151	30	40	71	405	545
GA 37 VSD										
	4	58	13.3-115.8	48-417	28-245	37	50	71	409	550
	7	102	13.1-115.6	47-416	28-245	37	50	71	409	550
	9.5	138	12.9-102.8	47-370	27-218	37	50	71	409	550
	12.5	181	12.8-86.9	46-313	27-184	37	50	71	409	550
GA 45 VSD										
	4	58	25.0-148.8	90-536	53-315	45	60	73	495	625
	7	102	24.9-147.2	89-530	53-312	45	60	73	495	625
	9.5	138	25.0-132.6	90-477	53-281	45	60	73	495	625
	12.5	181	24.8-118.1	89-425	53-250	45	60	73	495	625

* Unit performance measured according to 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 22-45 VSD Pack	870 x 854 x 1725	34.25 x 33.22 x 67.91
GA 22-45 VSD FF	870 x 1330 x 1725	34.25 x 52.36 x 67.91



Options

- Energy recovery
- Dryer bypass
- Remote monitoring
- 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
- Potential-free contacts