

Oil-injected rotary screw compressors, 110-200 kW / 150-270 hp GR 110-200

Atlas Copco's GR 110-200 oil-injected rotary screw compressors are ideal for high-pressure applications requiring a reliable air supply of 13 and 20 bar. The installation, operation and maintenance of these robust and reliable machines is kept simple. Their two-stage design ensures the most efficient operation at higher pressure. Our GR 110-200 compressors will cut your costs and enable smooth, continuous operation right across your production processes. You can choose from air- or water-cooled versions.

CUSTOMER BENEFITS

- **High reliability** – The two-stage compression element features an asymmetric rotor profile you can rely on. Thanks to the extremely reduced load on bearings, rotors and gears, the element lifetime is long, ensuring low wear and tear and reliability at the lowest operating cost.
- **Advanced control monitoring** – To maximize efficiency and reliability, the Elektronikon® controls the main drive motor and regulates system pressure within a predefined and narrow pressure band. The Elektronikon® controller can be adapted to your specific needs with extra sensors, digital contacts, fieldbus, Internet and SMS communication functions. In combination with the ES multiple compressor controller, the operation of your complete compressor room is optimized.
- **Easy installation** – The GR 110-200 is truly plug-and-play. Simply put the machine on a flat floor, connect the power line and the compressed air outlet, and push the start button.
- **Minimal maintenance** – GR 110-200 compressors are designed for trouble-free maintenance, with easily accessible oil and air filters and simple cooler cleaning procedures.

50 Hz versions

Type	Max. working pressure				Capacity FAD*			Installed motor power		Noise level	Weight			
	Pack		Full feature		Pack/ Full feature			kW	hp		Pack		Full feature	
	bar(e)	psig	bar(e)	psig	l/s	m³/min	cfm			dB(A)	kg	lb	kg	lb
GA 315 VSD														
GA 315VSD	4	58	4	58	854	51.2	1810	290	390	75	6165	13563	6615	14553
	7	109	7	109	847	50.8	1795	290	390	75	6165	13563	6615	14553
	10	145	9.9	143	710	42.6	1505	290	390	75	6165	13563	6615	14553
GR 110 - 200 Two stage 13 bar														
GR 110	13	189	12.75	185	255	15.3	541	110	150	72	3140	6908	3470	7634
GR 132	13	189	12.75	185	308	18.5	653	132	175	75	3140	6908	3470	7634
GR 160	13	189	12.75	185	369	22.1	782	160	215	75	3547	7803	3877	8529
GR 200	13	189	12.75	185	437	26.2	926	200	270	76	3547	7803	3877	8529
GR 110 - 200 Two stage 20 bar														
GR 110	20	290	19.75	286	211	12.6	447	110	150	72	3140	6908	3470	7634
GR 200	20	290	19.75	286	385	23.1	816	200	270	75	3547	7803	3877	8529

* Unit performance measured according to ISO 1217, Annex C, Edition 4

Reference conditions:

- Absolute Inlet pressure, specify bar(a), (e) 1 bar (14.5 psi)
- Intake air temperature 20°C, 68°F

FAD is measured at the following working pressures:

- 5.5 bar versions at 5 bar
- 7.5 bar versions at 7 bar
- 8.5 bar versions at 8 bar
- 10 bar versions at 9.5 bar
- 14 bar versions at 13.5 bar
- 20 bar versions at 20 bar
- 75 psi variants at 73 psi
- 100 psi variants at 100 psi
- 125 psi variants at 125 psi
- 150 psi variants at 150 psi
- 200 psi variants at 200 psi
- 290 psi variants at 290 psi

** Noise level*

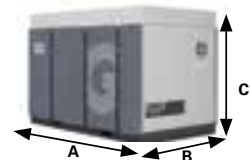
measured according to Pneurop/Cagi PN8NTC2.2 test code; tolerance ±3 dB(A)

Intergrated Dryer:

Pressure dewpoint of intergrated refrigerant dryer at reference conditions: 3 to 4°C

Intergrated Filter:

Partial removal down to 1 micron and maximum remaining oil aerosol of 0.1mg/m³



Type	Dimensions L x W x H					
	A		B		C	
	mm	inch	mm	inch	mm	inch
GA 160* - 315	3400	134	2000	79	2300	91
GA 315 - 500A*	5855	230.5	2120	83.4	2500	98.4
GA 315 - 500W*	4173	164.3	2120	83.4	2500	98.4
GA 315 VSD	4000	157.4	2120	83.4	2400	94.4
GR 110-200	2779	109.4	1886	74.3	1990	78.3

* W = Water-cooled

A = Air cooled

60 Hz versions

Type	Max. working pressure				Capacity FAD*			Installed motor power		Noise Level	Weight			
	Pack		Full feature		Pack/ Full feature						Pack		Full feature	
	bar(e)	psig	bar(e)	psig	l/s	m ³ /min	cfm	kW	hp	dB(A)	kg	lb	kg	lb
GA 315 VSD														
GA 315VSD	4	58	4	58	854	51.2	1810	290	390	75	6165	13563	6615	14553
	7	109	7	109	847	50.8	1795	290	390	75	6165	13563	6615	14553
	10	145	9.9	143	710	42.6	1505	290	390	75	6165	13563	6615	14553
GR 110 - 200 Two stage 13 bar														
GR 110-200	13.8	200	13.55	196	261	15.6	541	110	150	72	3140	6908	3470	7634
GR 160-200	13.8	200	13.55	196	350	21.0	782	150	200	75	3547	7803	3877	8529
GR 200-290	13.8	200	13.55	196	442	26.5	926	185	250	78	3547	7803	3877	8529
GR 110 - 200 Two stage 20 bar														
GR 110-290	20	290	19.75	286	224	13.4	475	110	150	72	3140	6908	3470	7634
GR 200-290	20	290	19.75	286	384	23.0	814	200	270	78	3547	7803	3877	8529

* Unit performance measured according to ISO 1217, Annex C, Edition 4

Reference conditions:

- Absolute Inlet pressure, specify bar(a), (e) 1 bar (14.5 psi)
- Intake air temperature 20°C, 68°F

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- 200 psi variants at 200 psi
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** Noise level*

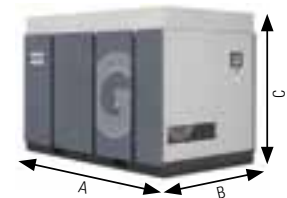
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