

ORL 37 - 45



Screw compressors, the ORL type line, are designed for permanent operation with a fully automatic compressor operation control system depending the consumption of compressed air. These are compressors with a single-stage, oil-lubricated screw unit. The oil container is integrated directly in a compressor block. The block secures other functions: rough separation of oil from the box, fine separation, oil filtration, maintenance of minimal pressure, including the filtration and regulation of absorbed air. The compressor block and the electric engine are anchored on a frame that is flexibly placed in the body of the compressor by means of rubber springs. The body consists of a frame that is closed by removable soundproof panels.

Version	Max. overpressure (bar)	Capacity (m ³ /hod)	Motor power (kW)	Noise level (dB)	Oil filling (l)	Connection dimension (")	Weight (kg)
ORL 37 AX	8	335	37	74	22	G 1 ^{1/2}	770
ORL 37 BX	10	300	37	74	22	G 1 ^{1/2}	770
ORL 37 CX	13	246	37	74	22	G 1 ^{1/2}	770
ORL 45 AX	8	393	45	74	22	G 1 ^{1/2}	830
ORL 45 BX	10	351	45	74	22	G 1 ^{1/2}	830
ORL 45 CX	13	304	45	74	22	G 1 ^{1/2}	830

The capacity of the ORL compressor - the volume rate of flow of the air matter through the compressor discharge branch related to absolute pressure and temperature during suction, i.e. to 100 kPa and 20 °C. The maximal amount of the residual oil behind the compressor is 2 - 4 mg/m³.

ORLIK[®]

COMPRESSORS original

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ORLIK 900 microprocessor control unit



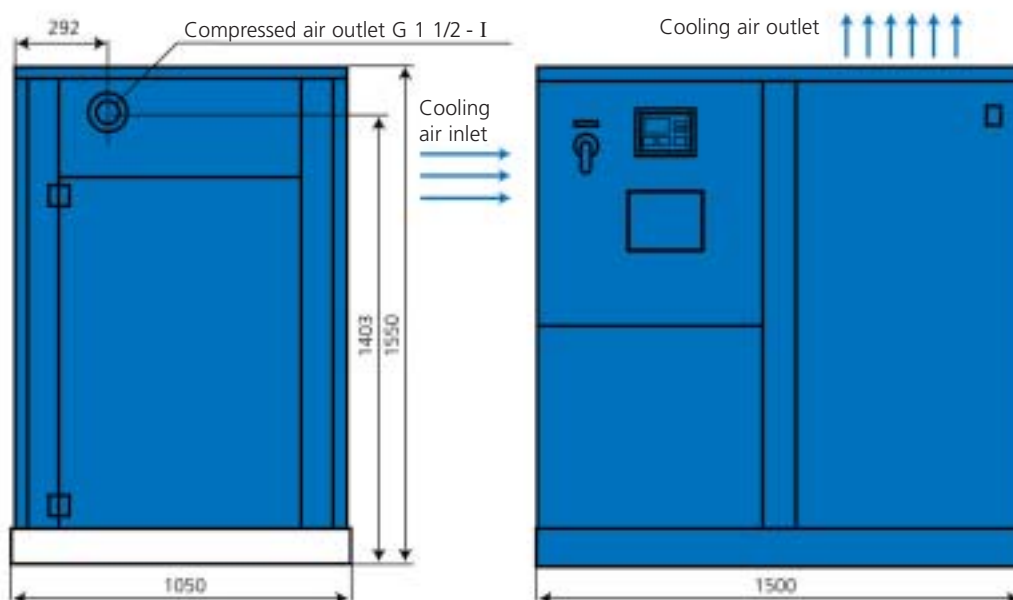
- inspection of operational cycles
- star-delta starter
- adjustable idle run time
- oil temperature check
- operational pressure setting check
- operational hours check
- possible control of 3 subordinated compressors controllable by electric signal without necessity to fit the same compressors with another control unit
- possible rotation of priorities
- communication with a master system on RS - 232, or on RS - 485
- visualization of compressor operational statuses with possibility of log on

Inspection equipment

- Minimal pressure valve secures a required pressure in the lubrication system
- Automatic lightening facilitates pressure reduction during compressor stoppage so that its restart does not take place during counter-pressure
- Filling and check-up stopper for the filling of oil and for the inspection of oil status (level height)
- Control panel containing:
 - the user interface of the control unit with controlling and regulating elements
 - main compressor switch
- Analog sensor of the output pressure of the compressed air

Safety equipment

- Safety valve on a machine body
- Overcurrent thermal relay protects the electric engine from overloading
- Thermal protection of electric engine winding
- Oil temperature analog sensor
- Relay for mains supply parameters inspection



Your distributor and professional adviser: