

## ORL 55 - 75 - 90



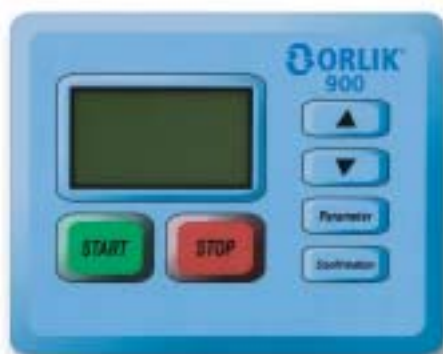
**ORL-type line screw compressors** are designed for permanent operation with a fully automatic control system regulating compressor operation depending on the intake of compressed air. These compressors have one-stage, oil-lubricated screw unit. An integrated oil tank is situated next to the screw unit. The tank secures the following functions: Rough oil separation, fine separation, oil filtering, and minimum pressure maintenance. The screw unit and the electromotor form a compact assembly that is flexibly seated inside the compressor body by means of rubber springs. The body consists of a frame that is closed by removable soundproof panels.

Version	Max. overpressure (bar)	Capacity (m <sup>3</sup> /hod)	Motor power (kW)	Noise level (dB)	Oil filling (l)	Connection dimension (")	Weight (kg)
ORL 55 AX	8	504	55	71	40	G 2 I	1400
ORL 55 BX	10	472	55	71	40	G 2 I	1400
ORL 55 CX	13	417	55	71	40	G 2 I	1400
ORL 75 AX	8	718	75	71	40	G 2 I	1510
ORL 75 BX	10	690	75	71	40	G 2 I	1510
ORL 75 CX	13	560	75	71	40	G 2 I	1510
ORL 90 AX	8	792	90	72,5	40	G 2 I	1550
ORL 90 BX	10	740	90	72,5	40	G 2 I	1550
ORL 90 CX	13	677	90	72,5	40	G 2 I	1550

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/m<sup>3</sup>.

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#### Mikroprocessor control unit ORLIK 900



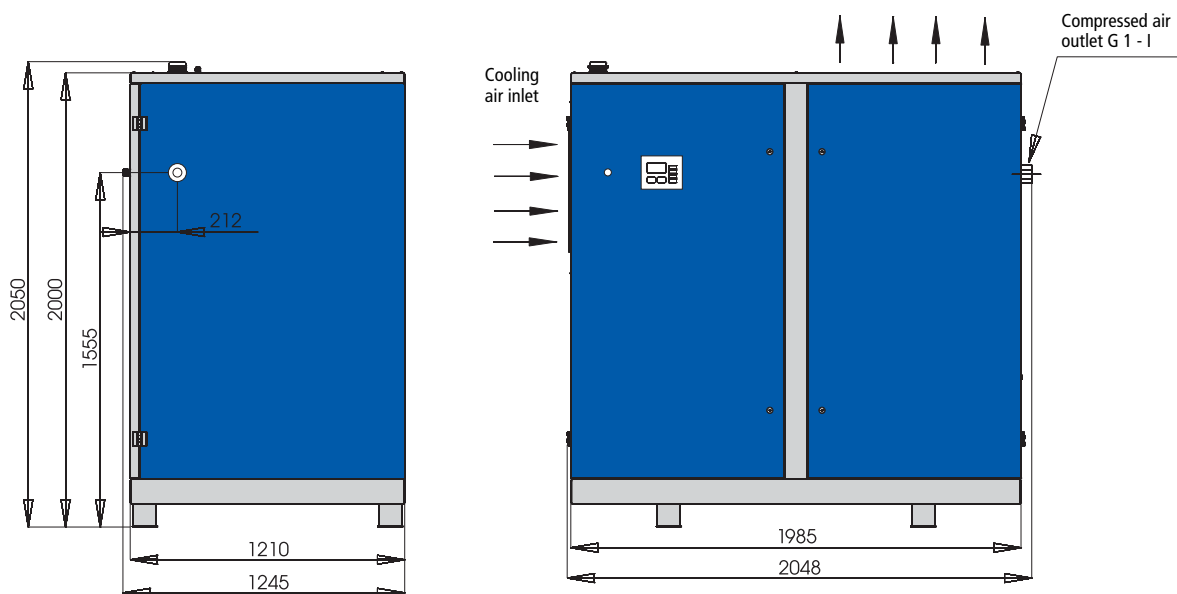
- inspection of operating cycles
- Y-delta starting
- adjustable idle run time
- oil temperature inspection
- operating pressure setting inspection
- operating hours inspection
- possible control of 3 subordinate controllable compressors by means of electric signal without having to equip these compressors with another control unit
- possible rotation of priorities
- communication with a superior system up to RS-232, or RS-485
- web interface enabled communication (Internet)

#### Equipment control

- Minimum pressure valve ensures required pressure within the lubrication system
- Automatic discharge of load facilitates pressure reduction during compressor stop while ensuring that restart will not run into counter pressure
- Filler plug and control for oil filling and height (level) oil control
- Control panel containing:
  - Control unit user interface with controlling and indication components
  - Main compressor switch
- Analog detector of compressed air outlet pressure

#### Safety equipment

- Relief valve on the machine body
- Overcurrent, thermal relay protecting the electromotor against overload
- Thermal protection of electromotor winding
- Analog oil temperature detector



Your distributor and professional adviser: