

ORLIK®

COMPRESSORS original

ORL 5,5 - 7,5



ORL series screw compressors are designed for permanent operation with fully automatic compressor operation control depending on the consumption of compressed air. These compressors have an oil-lubricated, single-stage screw unit. The oil reservoir is integrated directly in the compressor block. The block secures two functions: rough oil separation in the cabinet, fine separation, oil filtration, minimum pressure maintenance, including the filtration and regulation of absorbed air. The compressor block and electromotor are anchored on the frame that is flexibly mounted in the compressor body by means of rubber springs. The body consists of the frame that is closed by two removable soundproof panels.

Type	Max. overpressure (bar)	Capacity (m ³ /hour)	Motor power (kW)	Noise level (dB)	Oil filling (l)	Connection dimension (")	Weight (kg)
ORL 5,5 AX	8	44	5,5	58	4	G 1	207
ORL 5,5 BX	10	40	5,5	58	4	G 1	207
ORL 5,5 CX	13	25	5,5	58	4	G 1	207
ORL 7,5 AX	8	63	7,5	58	4	G 1	240
ORL 7,5 BX	10	57	7,5	58	4	G 1	240
ORL 7,5 CX	13	41	7,5	58	4	G 1	240

ORL compressor capacity – i.e. the volume flow rate of the air mass through the compressor discharge branch related to absolute pressure and suction temperature, i.e. to 100 kPa and to 20 °C. Maximum amount of residual oil behind the compressor is 2–4 mg/m³. The compressors in the economical series without a control unit (AE, BE, CE) have the parameters identical with the control unit (AX, BX, CX).

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Microprocessor control unit ORLIK 900



- inspection of operational cycles
- star-delta activation
- adjustable time of idling
- oil temperature check
- operational pressure setting check
- operational hours check
- possible control of 3 subordinate compressors controlled by electric signal; these compressors do not have to be fitted with another control unit
- possible rotation of priorities
- communication with a master system via RS – 232, or via RS – 485
- possible remote report and supervision (TCP/IP protocol or by means of GSM network)
- local or remote visualization of the operating statuses of a compressor with logging

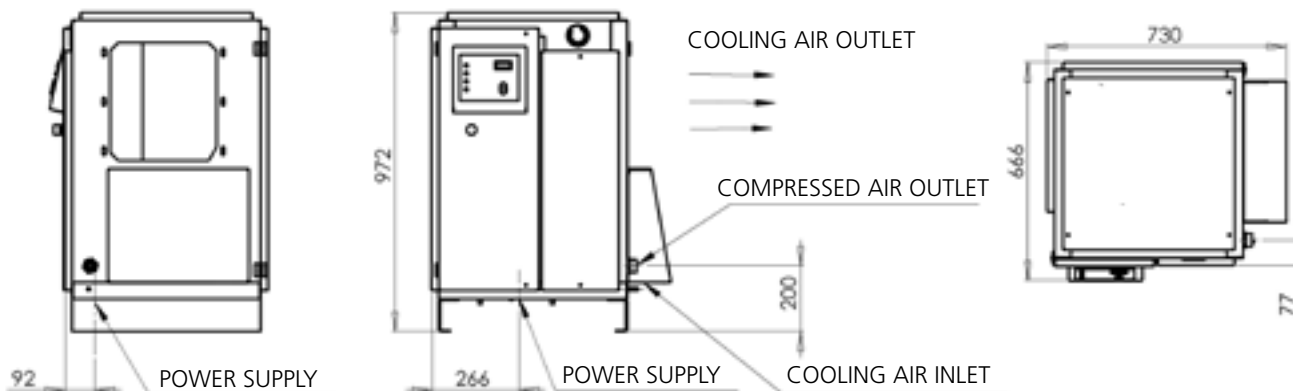
An economical version without a control unit and with relay control is available. Other available manufacturing versions come with a 300 l or 500 l pressure vessel, or with a condensation drier with a dew point of 3°C and create a complete station.

Inspection devices

- Minimum pressure valve ensures required pressure inside the lubrication system
- Automatic relief facilitates pressure reduction upon compressor stop this preventing restart in counter-pressure
- Filling and check-up plug for proper oil filling and oil level (level height) inspection
- Control panel containing:
 - Emergency machine stop button
 - Control unit user interface with controlling and indication components
 - Possible automatic restart and remote control by a master system
- Equipment available only with the 'X' manufacturing line
- Intelligent control algorithm enabling the automatic adjustment of compressor parameters depending on the current course of compressed air intake
- Analog sensors of compressed air outlet pressure and of oil temperature

Safety devices

- Check valve on the machine body
 - Thermal over-current relay protecting electromotor from overload
 - Thermal protection of electromotor winding
- Equipment available only with the 'X' manufacturing line
- Starts-per-hour check
 - Oil temperature analog sensor



Your technical consultant:



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