



09

Ultra**Power** 2S

2-STAGE



compressoren

UltraPower 2S

THE TWO-STAGE RANGE REPRESENTS THE CUTTING EDGE OF OIL-INJECTED SCREW COMPRESSOR TECHNOLOGY, OFFERING EXCEPTIONAL RELIABILITY AND UNMATCHED PERFORMANCE IN A FULLY INTEGRATED, ADVANCED SOLUTION.

- Power range: **75 – 315 kW**
- Variable speed
- Two-stage direct drive
- Made in Europe

APPLICATIONS: provides high efficiency and reliability for production lines, ensuring a consistent and stable compressed air supply in demanding operations.

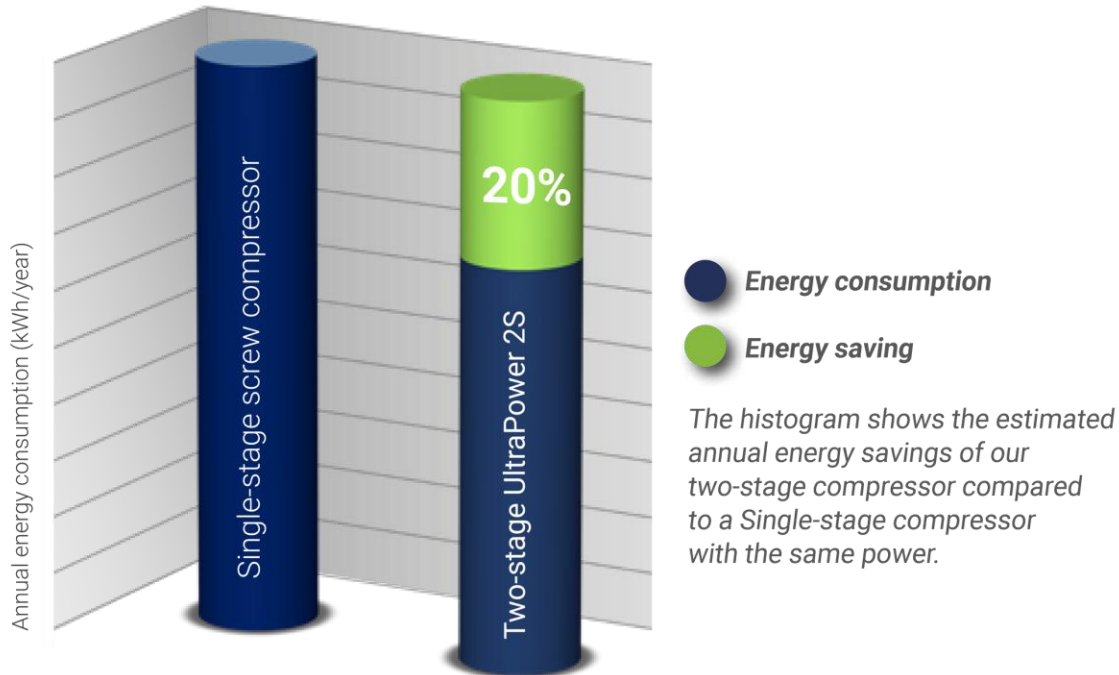




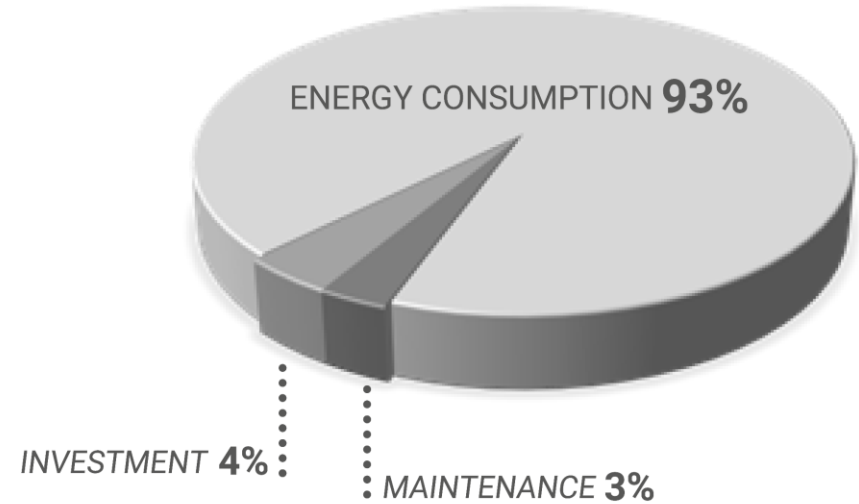
Why UltraPower 2S?

RETURN ON INVESTMENT

Comparing a Single-stage compressor with our two-stage compressor, with the same volume flow, considering 6,000 working hours per year and with a 70% duty cycle, it is possible to estimate that the acquisition investment in our two-stage compressor can be recouped in less than 24 months from installation.



The histogram shows the estimated annual energy savings of our two-stage compressor compared to a Single-stage compressor with the same power.



The graph indicates the breakdown of the total costs during the life cycle of a Single-stage compressor appropriate to five years of use, considering 6000 working hours per year.



compressoren

OIL SEPARATOR VESSEL

The efficient design ensures excellent compressed air quality with low residual oil content (less than 2 parts per million by weight). The separator element is easily replaced due to the sliding lid (1-2), reducing downtime and maintenance.

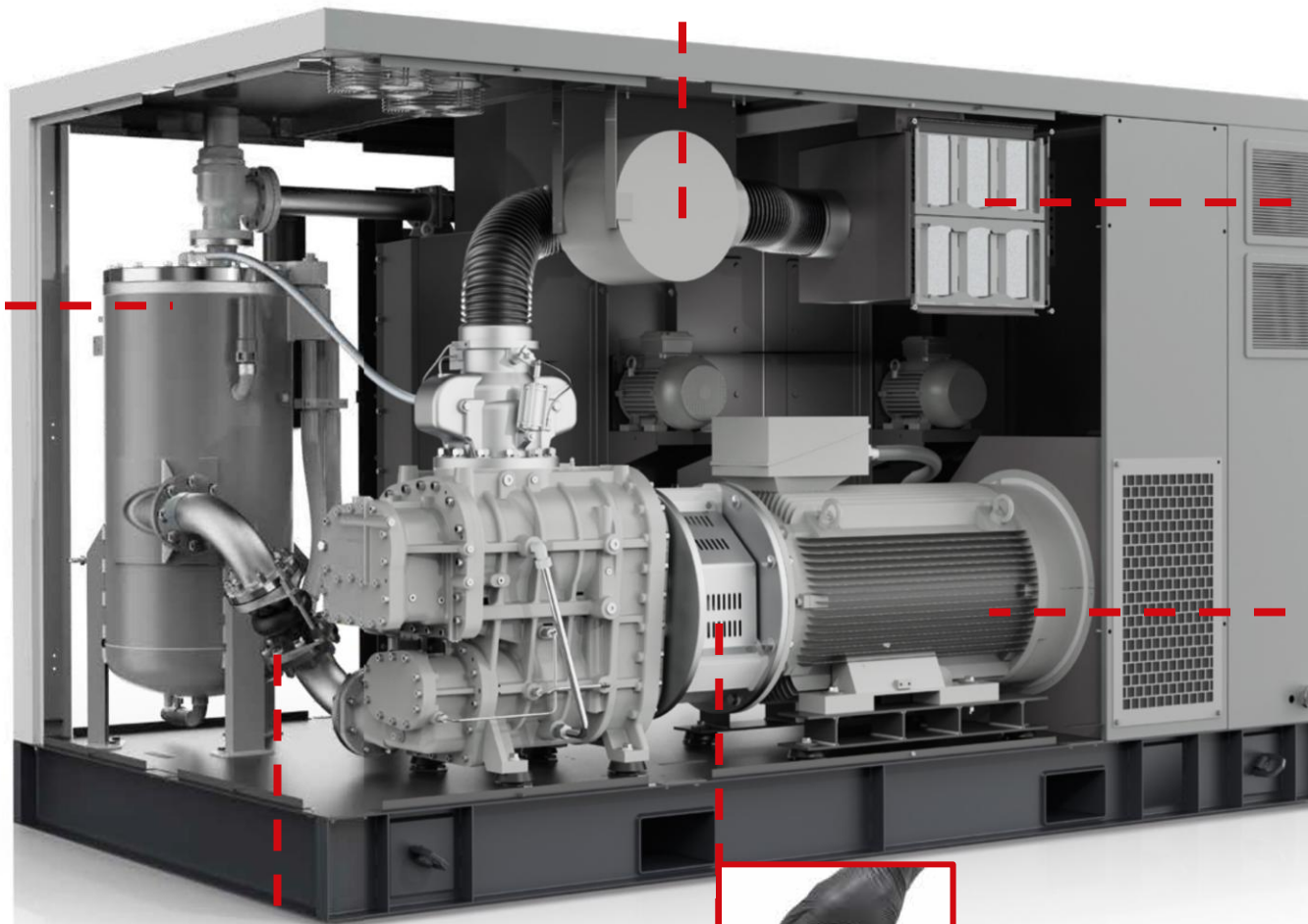


OIL FILTER HOUSING WITH THERMOSTATIC VALVE

The screw-on filter cartridges are easy to replace, reducing the risk of oil spillage. The thermostatic valve is conveniently accessible for maintenance, controlling oil flow to prevent temperature fluctuations and condensate buildup in the lubrication circuit. No need to remove oil from the radiator for replacement or service.

SILENCER

The unique soundproof chamber is designed for maximum noise reduction while maintaining high suction efficiency.



SUCTION FILTER

The pocket type filtering element is designed to ensure minimum pressure drop and maximum filtration efficiency. Maintenance is facilitated through the easily accessible and removable external panel, with no need to enter the main machine.

ELECTRIC MOTOR

Electric motor with energy efficiency class IE4 'Super Premium Efficiency'.

DAMPING JOINT

The damping joint helps suppress stresses and enables the use of rigid pipes, reducing the risk of failure. Maintenance is simplified as the pipe can be disconnected without causing flange misalignment.



FLEXIBLE COUPLING

With elastic insert that is both easily accessible and simply removed during longer term maintenance.



SOUNDPROOF CABINET

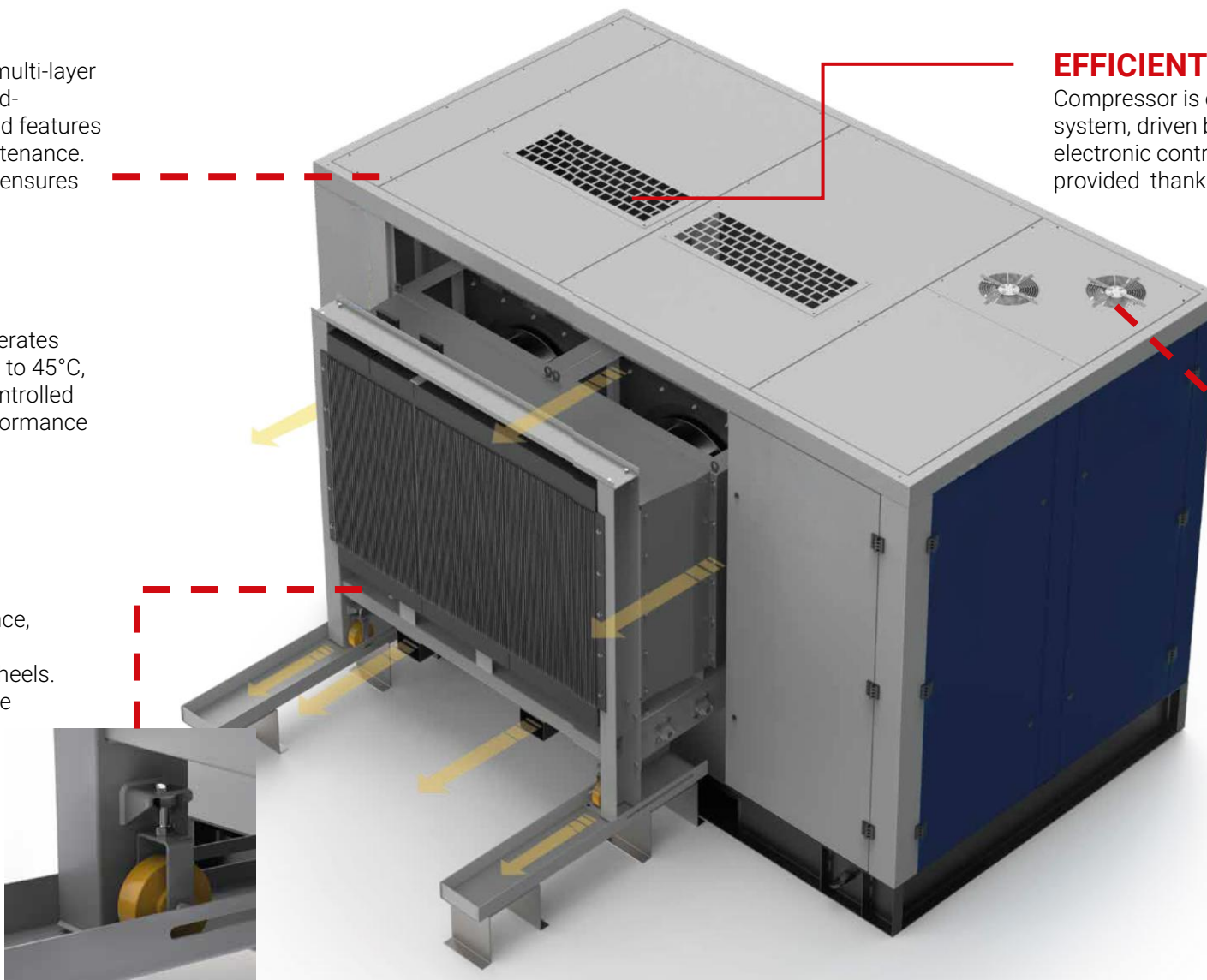
Made from heavy-gauge steel with a multi-layer protective coating. It's lined with sound-absorbing material to reduce noise and features easy-to-remove panels for quick maintenance. Securely mounted on a steel frame, it ensures safe lifting and positioning.

COOLING SYSTEM

The UltraPower 2S cooling system operates efficiently in ambient temperatures up to 45°C, with variable flow rate cooling fans controlled electronically to maintain optimal performance and extend lubricant life.

HEAT EXCHANGER AND VENTILATION UNIT

The design allows for easy maintenance, with the unit removable vertically or horizontally using a lifting device or wheels. Optional tracks for easy movement are available.



EFFICIENT VENTILATION

Compressor is equipped with a radial ventilation system, driven by an inverter and managed by the electronic controller. Quieter operation is also provided thanks to the use of soundproofing.

COMPRESSOR COMPARTMENT VENTILATION

Fans installed for the extraction of heated air from the compressor compartment.



compressoren

Advanced control **with Login Controller**

INTELLIGENT CONTROL

All of UltraPower' functions are entirely managed by the centralised Login electronic controller, which constantly monitors the compressors operation ensuring efficient and reliable operation of the machine in all conditions with customized functions to suit any application.

ALWAYS CONNECTED

During an irregular event within the machine, Login reports the presence of such and incident by creating an alert for the user, allowing for prompt operator intervention. The integrated connectivity with remote monitoring (optional), makes it possible to obtain complete information on the compressor status remotely.

COMPRESSOR ROTATION MANAGEMENT

Thanks to the "ISC" system it is possible to simultaneously connect up to 8 different compressors (fixed and/or variable speed combinations), with "master-slave" logic.



EXCLUSIVE DESIGN

MEMORY CARD SLOT

MULTILANGUAGE
MANAGEMENT

REMOTE CONTROL

MULTICOLOR DISPLAY



compressoren

Technical **specification**

CODE	MODEL	FAD (M3/MIN)				MOTOR		SOUND LEVEL	AIR OUTLET	NET WEIGHT	NET DIMENSIONS
		MIN.	AT 7 BAR	AT 8 BAR	AT 9,5 BAR	KW	HP	DB(A)	DN	KG	MM
364100-2IVR	ULTRAPOWER 100 2S	4,65	16,60	15,70	14,10	75	100	73	DN50	3260	3000 x 2000 x 2200
364120-2IVR	ULTRAPOWER 120 2S	5,61	19,20	19,10	17,00	90	120	73	DN50	3500	3000 x 2000 x 2200
364132-2IVR	ULTRAPOWER 132 2S	6,99	24,90	22,52	21,19	110	132	76	DN80	5300	3600 x 2000 x 2250
364160-2IVR	ULTRAPOWER 160 2S	8,56	28,00	27,00	25,94	132	160	76	DN80	5500	3600 x 2000 x 2250
364220-2IVR	ULTRAPOWER 220 2S	9,90	34,65	33,00	30,00	160	220	76	DN80	5730	3600 x 2000 x 2250
364270-2IVR	ULTRAPOWER 270 2S	12,21	43,50	40,70	37,00	200	270	79	DN100	7310	4350 x 2250 x 2450
364340-2IVR	ULTRAPOWER 340 2S	14,88	53,50	51,05	45,10	250	340	79	DN100	8440	4350 x 2250 x 2450
364420-2IVR	ULTRAPOWER 420 2S	18,48	63,00	61,50	56,00	315	420	79	DN100	8500	4350 x 2250 x 2450

Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).

Air flow was measured in the following operative pressures: 6.5 bar for models at 7 bar - 7.5 bar for models at 8 bar - 9.5 bar for models at 10 bar.

The data and results were measured in accordance with standard ISO 1217. The sound level was measured in accordance with ISO 2151, with a tolerance of ± 3 dB(A).



compressoren

Advanced **configuration**

- Max. pressure 13 bar on request
- **HEAT RECOVERY SYSTEM** - for improved:
 - **Energy Efficiency:** Up to 75% of the energy used in compression is recoverable as heat from the lubrication and cooling systems.
 - **Heat Recovery:** The heat is transferred to water via an oil-water plate exchanger, usable in heating or production processes.
 - **Sustainability:** With two-stage air-end and 75% energy recovery, the UltraPower 2S reduces energy use and CO2 emissions, enhancing sustainability.

**THE ULTRAPOWER 2S IS THE IDEAL CHOICE FOR EFFICIENT,
ECO-FRIENDLY COMPRESSED AIR GENERATION.**

