

AIRSAVE ULTIMATE SYSTEM FOR ABSOLUTE SAFETY

✓ HMI TCC-Control

In order to optimize the operational safety, the comfort, the disturbance monitoring and the quality of the air, a new compressor control for stationary plants was developed. The control HMI control unit has a 7" multi color touch screen. USB ports, a W-LAN connection for reading in software updates and read-outs as well as visualization are also implemented, as is another interface for a CAN bus for connecting a remote control module, MSR and other extensions. Via this interface, e.g. An external filling panel can be equipped with the same functions and possibilities.



✓ AIRSAVE ULTIMATE

Over the additionally integrated CO, CO₂, O₂, water in mg/m³, temperature, monitoring system the AIRSAVE-ULTIMATE unit supervises the legal standard limit for the compressor unit and switches off by exceeding these limit values. This function supervises the working reliability of the compressor and guarantees an optimal protection in a CO-CO₂ contaminated work surrounding field or irregular operating conditions of the compressor. The AIRSAVE ULTIMATE unit also supervises the service and oil change intervals. Optional also monitors the AIRSAVE - unit the CO₂, the temperature of the ambient air and the presence of flammable gases.



✓ AIRSAVE ULTIMATE OIL CONTROL (OPTIONAL)

From now on we also can measure VOC and the residual oil content in the compressed air permanently. A quantum leap! Filling with AIRSAVE ULTIMATE together with "AIRSCRUBBER" guarantee the compliance with the main parameters of the DIN EN 12021, DIN 8573 and intl. standards int. IDE defined with its integrated air monitoring AIRSAVE ULTIMATE OC the premium to the prior art.



IDE defined with AIRSAVE ULTIMATE and AIRSAVE ULTIMATE OIL CONTROL the state of the art

► Modellspecification

Model-Operating pressure	Drive motor	Delivery quantity	Cylinders	Rotation number	Engine		Dryer system	Dimensions (cm)			Netweight
					kW	PS		L	B	H	
350 bar-420 bar	Electricity	l/min		rpm	kW	PS	Stand alone	L	B	H	kg
TVCP 450 350 bar TVCP 450 420 bar	400V 50/60 Hz	450	4	1.250	7,5 9	10 12	FT 410 50x25x65	115	60	80	260
TVCP 550 350 bar TVCP 550 420 bar	400V 50/60 Hz	550	4	1.150	9 11	12 15	FT 810 50x25x65	115	60	80	275
TVCP 650 350 bar TVCP 650 420 bar	400V 50/60 Hz	650	4	1.100	11 11	15 15	FT 810 50x25x65	115	60	80	275
TVCP 720 350 bar TVCP 720 420 bar	400V 50/60 Hz	720	4	1.250	11 15	15 20	FT 810 50x25x65	115	60	80	275 285
TVCP-Twin 1440 350 bar TVCP-Twin 1440 420 bar	400V 50/60 Hz	1440	4	1.250	2x 11 2x 15	2x 15 2x 20	FT 910 50x25x75	2x115	2x60	2x80	550 560



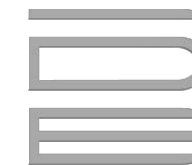
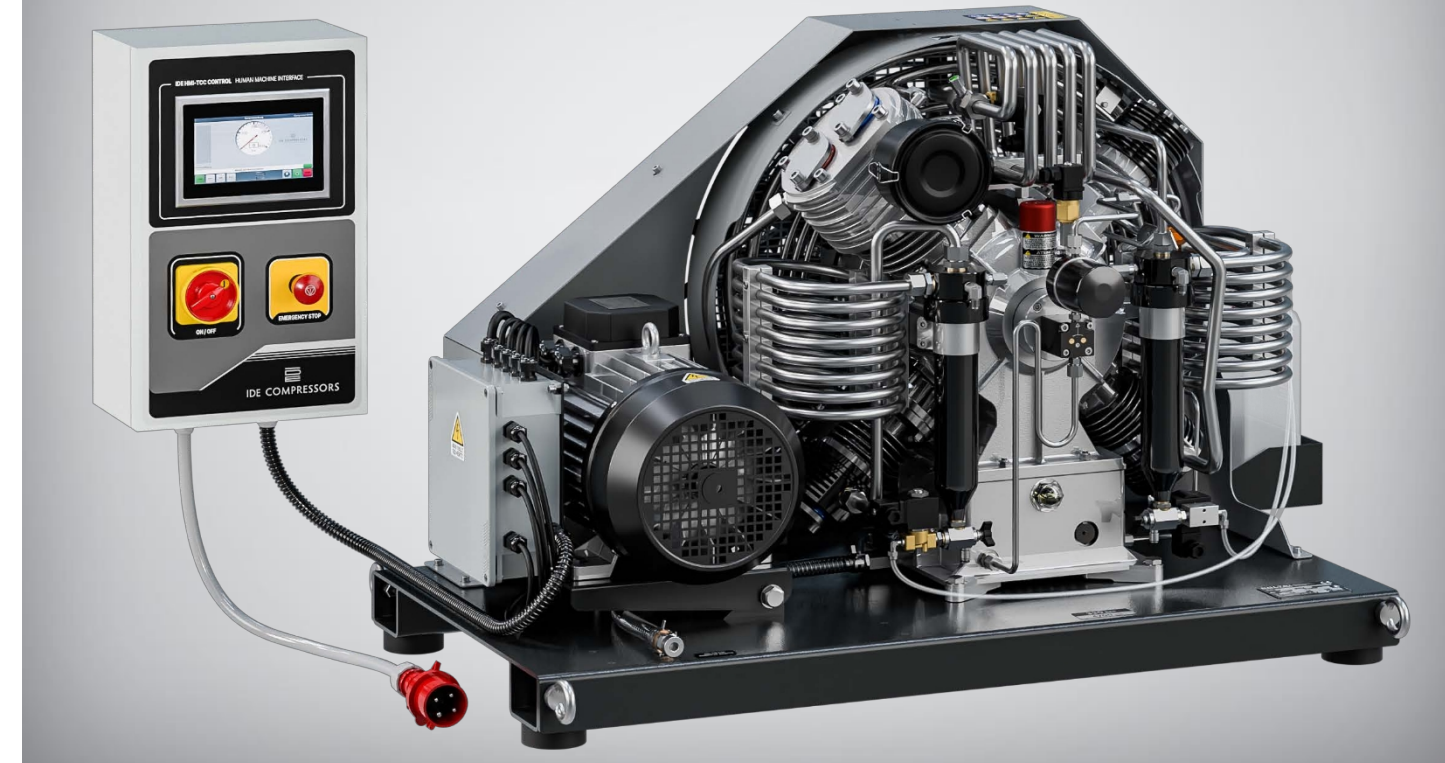
IDE COMPRESSORS

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Subject to technical changes
Illustrations may show optional extras.

TVCP-HEAVY DUTY

Model description Technical data



IDE COMPRESSORS

ATMEN SIE WIR KÜMMERN UNS UM DIE LUFT

► TVCP-HEAVY DUTY the new industrial compressor series from IDE-COMPRESSORS.

Consistently designed for continuous operation 7/24, powerful, low-maintenance with over-proportionally reinforced cooling. Extended intercoolers ensure good cooling and thus high air delivery performance even under the most adverse climatic conditions. Free-floating pistons in the 3rd and 4th stages significantly reduce friction and thus also the heat development of the highly stressed compressor stages. The extremely small design, the low centre of gravity and the small space requirement ensure a wide range of possible applications. A special feature of the new compressor series from IDE is the significantly lower power consumption compared to all other compressors of this performance level on the market. 11 kW for 720 LpM **WOW!** that's quite a word.

ENERGY EFFICIENCY

is one of the most important requirements for manufacturers of machines and electrical devices today. IDE has taken this task very seriously and has therefore developed the HMI-TCC CONTROL, currently the most modern control system for high-pressure breathing air compressors. This allows the systems to be controlled and monitored so that they are always operated under optimum conditions at all times.

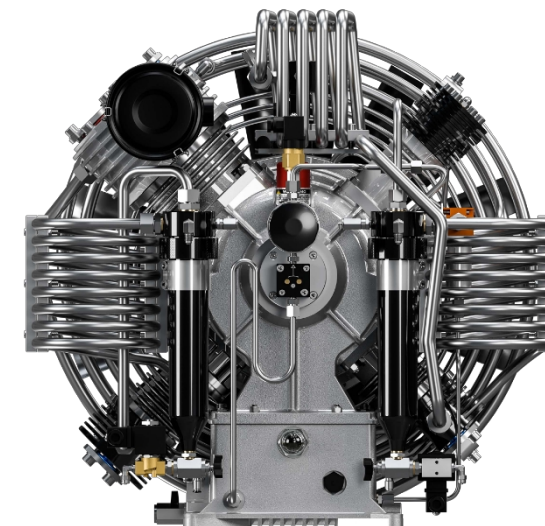
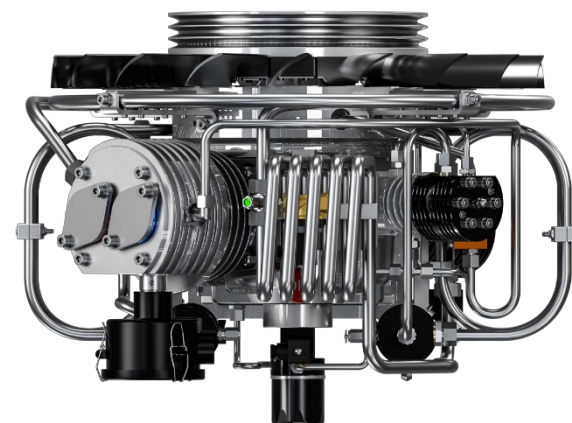
All maintenance and service intervals are displayed, including the spare and maintenance parts required for the respective process, including order numbers.

DRYER UNITS

Stand-alone dryer units together with the Airscrubber - (optional) ensure the purest and driest breathing air at all times in accordance with DIN EN 12021:2014 and DIN 8573 and DIN EN ISO 7396-1:2007 Medical air. Optionally with HEPA post-filter against fine dust, all viruses and bacteria.

SERVICE

- ✓ Service and contract partner with spare parts supply in 20 countries.
- ✓ Extensive training and education programmes for your technical training and further education.
- ✓ Project-related, cost-orientated consulting in close cooperation with Cooperation with the customer.



Equipment details - Technical data	450/550	650/720
200 or 300 bar version optional 420 bar	•	•
1 main air outlet for connecting an external filling ramp or storage unit	•	•
AIRSAVE PRO E Monitoring the saturation of the dryer cartridges		
AIRSAVE ULTIMATE air quality control for CO ₂ , humidity/water in mg/m ³ , temperature, dew point (integrated)		
AIRSAVE ULTIMATE OIL GUARD* Residual oil and aerosols measure fixed values 0.1 or 0.5 mg/m ³ in accordance with DIN EN12021		
AIRSAVE ULTIMATE OIL CONTROL* Residual oil measurement up to 0.001 mg/m ³ in accordance with DIN EN12021+DIN 8573		
Activated carbon adsorber for removing all oil vapours and hydrocarbons for Aisave Oil Control		
FT 410 dryer system, other larger dryer systems optionally available	•	
Dryer system FT 810 Airsave = 2200 m ³ @ 20°C ,		•
FT 910 Airsave dryer system = 4200 m ³ @ 20°C , other larger dryer systems optionally available		• TWIN
HMI TCC-CONTROL, ANDROID-based CAN bus compressor control with 7" touch screen (*1)	•	•
Temperature per compressor intermediate stages, additional costs per stage/sensor HMI TCC-Control		
Temperature of last compressor stage CC- CONTROL and HMI-TCC Control		
Oil temperature monitoring HMI TCC-CONTROL		
Oil pressure monitoring CC- CONTROL and HMI TCC-Control		
Oil level control HMI TCC-Control	•	•
Pressure of the individual compressor stages Intermediate stages HMI TCC-CONTROL per stage		
Pressure control of the intermediate stages analogue with pressure gauges per stage		
Remote control max. 300 mtr. HMI TCC CONTROL		
Communication module for sending SMS error messages to two different phone numbers		
Automatic condensate drain with timed opening times for the individual separators,	•	•
30 litre collection container with level monitoring and silencer		
Condensate container overflow protection HMI TCC-CONTROL		
Automatic flushing of accumulated CO ₂ from the dryer housing when the compressor starts	•	•
AIRSCRUBBER reduces the CO ₂ concentration in the intake air to up to - 800 litres/min.		
Air Hepa filter at 300 bar outlet with fine dust separation down to 1 µ		

• as standard | ◦ optionally | X not possible

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IDE AIRSCRUBBER

Effectively removes CO₂ from the air you breathe. New low-cost pre-filter. Space-saving. Low purchase price. Low maintenance costs. Removes CO₂ up to a flow rate of 800 litres/min. The pre-filter is suitable for retrofitting to all compressors, regardless of manufacturer.

