

AIRSAVE UTIMATE SYSTEM FOR ABSOLUTE SAFETY

With the Airsave Ultimate and Airsave Ultimate Oil Control you can optionally purchase optional equipment for a maximum operational safety and cost efficiency.

✓ For filling we have different filling ramps available. These can be equipped with up to 8 filling connections in pressure ranges and configurations according to your requirements. Of course, IDE supplies these filling ramps also in stainless steel.

✓ AIRSAVE PRO E

Over a measuring sensor built in the dryer cartridge is recorded and sent to the AIRSAVE Pro E dryer cartridge saturation monitoring system. The condition of the cartridge is indicated by a simple traffic light system.

✓ AIRSAVE ULTIMATE (OPTIONAL)

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



External AIRSAVE ULTIMATE (with OIL CONTROL) wall-mounted version

► Model specification

Modell, Working Pressure	Voltage	Capacity l/min	rpm		Filter	Filter			Weight kg	
			rpm	kW		HP	L	W		H
225 or 330 bar ^{*)}	Three phase		rpm	kW	HP					
TMI 260- MARINE	400V 50/60 Hz	260	1.500	5,5	7,5	FT 310	60	60	95	210
TMI 310- MARINE	400V 50/60 Hz	310	1.450	5,5	7,5	FT 310	60	60	95	215
TMI 380- MARINE	400V 50/60 Hz	380	1.250	7,5	10	FT 410	60	60	95	225

Version/Date 24.01.2023 (AS)
 Technical specifications subject to change.
 Illustrations may include optional equipment



IDE COMPRESSORS
 Nussdorfer Str. 17 a
 D-83098 Brannenburg
 www.ide.de, office@ide.de

TMI-MARINE

MODEL DESCRIPTION

TECHNICAL DATA



IDE COMPRESSORS

JUST BREATHE WE TAKE CARE OF YOUR AIR

IDEAS AHEAD

✓ Designed for high delivery performance and ease of use, equipped with the world's most advanced compressor block generation, this system impresses with its features and compactness. Due to the frame made of stainless steel and the compressor block outside entirely in aluminum, the system can be safely used in humid environments and areas. All fittings and pipes are made of stainless steel V4A. This plant is almost predestined for use under the most adverse climatic conditions.



► MATERIAL

- ✓ Cylinders with special honed NICASIL plated sleeves.
- ✓ performance by interstage coolers of stainless steel.
- ✓ Low-maintenance stainless steel lever filling valves (option) with safety filling connections and/or highly flexible inflating tubes from Kevlar with safety filling connectors made of stainless steel with safety flow stop.

► SERVICE

- ✓ Service partners with spares supply in almost 20 countries.
- ✓ Large training and instruction offers for technical education.
- ✓ Project oriented and cost oriented consultation in close cooperation with the customer.

► SAFE? SAFE!

- ✓ Breathing air in accordance with international standards, under normal use and maintenance, according to the manual and Airscrubber CO2 filter for high CO2 concentration in the intake air.
- ✓ Screw connections on all pressurised components designed and laid out for at least x 1.5-4 times safety.

EQUIPMENT AND OPTIONALS TMI	Standard or Option
200 or 300 bar version	●
1 Main air outlet for connection of an external filling ramp	●
AIRSAVE PRO E Trochnerpatronen- Sättigungs-Überwachung	○
AIRSAVE ULTIMATE Airquality control for CO,CO ₂ ,O ₂ , humidity/water in mg/m ³ , temperature, dew point (integrated)	○
AIRSAVE ULTIMATE +OIL VOC * residual oil measuring with PID Sensor (not fulfilling DIN EN12021+DIN 8573)	○
AIRSAVE ULTIMATE OIL GUARD * residual oil and aerosoles measure fixed values 0,1 or 0,5 mg/m ³ acc. to DIN EN12021	○
AIRSAVE ULTIMATE OIL CONTROL * rest oil measurement down to 0,001 mg/m ³ acc. to DIN EN12021+DIN 8573	○
Activated carbon adsorber for removing all oil vapors and hydrocarbons for Aisave Oil Control	○
Dryer system FT 310= 1000 m ³ @ 20°C ; FT 410 = 1200 m ³ @ 20°C	●
Dryer system FT 410 additional price for TMI 260/330 models, further larger dryer systems optionally available	○
Dryer system FT 610 Airsave = 1.800 m ³ @ 20°C , additional price for an upgrade from models TSI 160/260/330	○
IDEHIGHEND Compressor Control Automatic Start/Delta control with motor protection relay also Automatic stop at Endpressure	●
CC- CONTROL electronic compressor control with 2,4" TFT display (*1)	○
HMI TCC-CONTROL, computer added on ANDROID based CAN-Bus compressor control with 7" Touch Screen(*1)	○
Temperature each compressor stage, additional costs each stage/sensor HMI TCC-Control	○
Temperature last compressor stage CC- CONTROL and HMI-TCC Control	○
Temperature Silent Cabine HMI TCC-Control	○
Oiltemperature control HMI TCC-CONTROL	○
Oilpressure control CC- CONTROL and HMI TCC-Control	○
Oilniveau level control HMI TCC-Control	●
Pressure of the intermediate stages HMI TCC-CONTROL	○
Pressure of the intermediate stages analog with gauges	○
Remote control max. 300 mtr. HMI TCC-CONTROL	○
HMI TCC-CONTROL-OM output management Filling speed control	○
Automatic condensate drain with silencer and 5 liter collecting tank (automatically every 15-20 minutes)	●
30 l collecting tank with niveau control and silencer	○
Condensate canister over fill control HMI TCC-CONTROL	○
Communication module HMI-TCC Control for sending Error announcement by SMS on two different phone numbers	○
Automatic flush out of CO ₂ from the dryer tower HMI TCC-Control	○
AIRSCRUBBER reduces CO ₂ concentration in the intake air up to -800 L/Min.	○
Air Hepa Filter at the 300 bar outlet with fine dust filtration up to 1 µ	○
Air Hepa Filter at the suction intake with a fine dust removal of up to 99,5%	○

● = Standard, ○ = optional, X = not available

► IDE AIRSCRUBBER

The new cost effective CO₂ prefilter up to 800 L/ Min. The unit is suitable for retrofitting on all compressors, regardless of the manufacturer. The very high efficiency, low maintenance work and low follow-up costs are the outstanding features of this new development from IDE think tank



► BREATHING AIR QUALITY

The TMI-series 260-360 offers the FT-310 dryer system with a dryer from a high-quality anodized aluminium alloy, dimensioned for approx. 1.000 m³ @ 20° C dryer tower temperature and final pressure up to 350 bar. The FT-410 dryer system of the TMI-series 380 is dimensioned for amounts of air up to 1.200 m³. The dryer cartridge change can be completed in shortest time.

