

# TFI

## TECHNICAL DATA

## PRICES

## OPTIONS/ EQUIPMENT



Model	Working pressure	Drive	FAD	Stages	Motor		Dryer system	Dimensions(cm)			Weight	Prices €
					kW	PS		L	W	H		
	<b>350 bar-420 bar</b>	<b>Voltage</b>	<b>l/min</b>				<b>Typ/ m³ @15 °C</b>					
TFI 220	350 bar	230 V 50 or 60Hz	220	3	4	5,5	FT 410/ 1400	110	72	90	180	<b>8'695,00</b>
TFI 220	350 bar	400 V 50/60 Hz	220	3	4	5,5	FT 410/ 1400	110	72	90	180	<b>8'695,00</b>
TFI 270	350 bar	400 V 50/60 Hz	270	3	5,5	7,5	FT 410/ 1400	110	72	90	190	<b>8'995,00</b>
TFI 320 TFI 320	350 bar 420 bar	400 V 50/60 Hz	320	3	5,5	7,5	FT 810/ 2700	110	72	90	205	<b>9'380,00</b> <b>9'965,00</b>
TFI 350 TFI 350	350 bar 420 bar	400 V 50/60 Hz	350	3	7,5	10	FT 810/ 2700	110	72	90	205	<b>10'180,00</b> <b>10'735,00</b>
TFI-T 380 TFI-T 380	350 bar 420 bar	400 V 50/60 Hz	380	4	7,5	10	FT 810/ 2700	110	72	90	210	<b>10'680,00</b> <b>11'240,00</b>



# IDE COMPRESSORS



Technical data, model	TFI
Filling capacity / Delivery: This is calculated from the time that is needed to fill a 10 l tank from 0 to 200 bar. The calculation is based on a barometric pressure of approximately 1013 mbar	TFI 220 = 220 L/Min - 13,2 m <sup>3</sup> = 7,78 cfm Filling time 9,09 min TFI 270 = 270 L/Min - 16,2 m <sup>3</sup> = 9,53 cfm Filling time 7,40 min TFI 320 = 320 L/Min - 19,2 m <sup>3</sup> = 11,30 cfm Filling time 6,25 min TFI 350 = 350 L/Min - 21,0 m <sup>3</sup> = 12,36 cfm Filling time 5,70 min TFI 380 = 380 L/Min - 22,8 m <sup>3</sup> = 13,42 cfm Filling time 5,26 min
Suction pressure, Operating pressure	Atmospheric (0,5-1,2 bar), 90 to 350 bar (1305 to 5076 PSI), with extra charge 420 bar (6091 PSI) version possible
Nos. stages / Cylinders	3 stages
Intermediate pressure safety valves	At each compression stage
Turn direction	Counter clock wise
Cooling, aircooled, needed cooling air	TFI 220/1440m <sup>3</sup> /h, TFI 270/1980m <sup>3</sup> /h, TFI 320-380/2700 m <sup>3</sup> /h
Lubrication	Low pressure oil pump (TFI 270-380 oil pump + additional splash lubrication)
Oil volume, Oil grade	TFI 220-380 ca. 2 Ltr., Special-synthetic with safety data sheet
Max. permissible ambient temperature	+5°C. — +45°C (+43°F...+113°F)
Motor: Three-phase current cage rotor 400 V, protection rating IP 55, IE3, 2850 rpm, 50Hz/60Hz	TFI 220 4kW single phase 230V-50 Hz or three phase 400V/50Hz, TFI 270-320 5,5 kW three phase 400V/ 50 Hz, TFI 350-380 7,5kW three phase
Compressor semi silent cabine, frame are edged, welded 3 mm steel sheets, Linings and closures are edged, welded 2mm steel sheets. Compressor frame with shock dampers, bare block and drive decoupled with silent blocks Bare block and drive decoupled with silent blocks	Powder coated RAL 9005, Silent bloc and anti Vibrations rubber bonded metal feets 50 x 40 mm Rubber bonded metal elements 45x50 mm
Compressor-measures: L x W x H, Weight, Noise dbA from 1,5 m distance	110 x 72 x 90 cm, approx. 2180-210 kg, 79-83 dbA
Intake filter	Micronic Superfine
Pressure indication	Highly accurate , Stainless steel, glycerine filled gauges class 1.6 up to 400 bar
IDE high ende Compressor control	Star-Delta soft start, start /stop button , main switch, Emergency -stop push button
Automatic Condensate drain with two-three condensate separators and silencer	Automatically every 15-20 minutes incl. 10 Ltr. tank
Unloader, Compressor start also Auto Stop at Final Pressure	Automatically
Pressure retaining valve/ Non return valves/ Final pressure valve ventable,	Adjusted to 120 bar/ 2 / 1 endpressure safety valve, ventable with type-certificate

EQUIPMENT and OPTIONALS for TFI	220/270	320/380	Prices €, excl. VAT
200 or 300 bar version	1	1	
2 filling hoses additional hoses as option possible	●	●	159,00
AIRSAVE PRO E Trochnerpatronen- Sättigungs-Überwachung	○	○	359,00
AIRSAVE ULTIMATE Airquality control for CO,CO <sub>2</sub> ,O <sub>2</sub> , humidity/water in mg/m <sup>3</sup> , temperature, dew point (integrated)	○	○	3'950,00
AIRSAVE ULTIMATE OIL GUARD * residual oil and aerosoles measure fixed values 0,1 or 0,5 mg/m <sup>3</sup> acc. to DIN EN12021	○	○	1'650,00
AIRSAVE ULTIMATE OIL CONTROL* rest oil measurement down to 0,001 mg/m <sup>3</sup> acc. to DIN EN12021+DIN 8573	○	○	3'450,00
additional Activated carbon adsorber for removing all oil vapors and hydrocarbons for Aisave Oil Control	○	○	998,00
Dryer system FT 410= 1000 m <sup>3</sup> @ 20°C; FT 410 A = 1200 m <sup>3</sup> @ 20°C	●	○	
Dryer system FT 810 additional price for TFI 220/270 models, further larger dryer systems optionally available	○	●	1'280,00
Dryer system FT 810 Airsave = 2200 m <sup>3</sup> @ 20°C,	○	●	1'280,00
IDE HIGH-END Compressor Control/Automatic Start/Delta control with motor protection relay also Automatic stop at Endpressure	●	●	
HMI TCC-CONTROL, computer added on ANDROID based CAN-Bus compressor control with 7" Touch Screen (*1)	○	○	2'390,00
Temperature each compressor stage, additional costs each stage/sensor HMI TCC-Control	○	○	235,00
Temperature last compressor stage HMI-TCC Control	○	○	235,00
Oiltemperature control HMI TCC-CONTROL	○	○	235,00
Oilpressure control CC- CONTROL and HMI TCC-Control	○	○	235,00
Oilniveau level control HMI TCC-Control	○	○	235,00
Pressure of the intermediate stages HMI TCC-CONTROL	○	○	235,00
Pressure of the intermediate stages analog with gauges	●	●	198,00
Remote control max. 300 mtr. HMI TCC-CONTROL	○	○	996,00
Automatic condensate drain with collecting tank 10L	○	○	
30 l collecting tank with niveau control and silencer	○	○	435,00
Condensate canister over fill control HMI TCC-CONTROL	○	○	235,00
Automatic flush out of CO <sub>2</sub> from the dryer tower HMI TCC-Control	○	○	360,00
AIRSCRUBBER reduces CO <sub>2</sub> concentration in the intake air up to -800L/Min.	○	○	685,00
Air Hepa Filter at the 300 bar outlet with fine dust filtration up to 1 µ	○	○	1'8055,00

● = Standard, ○ = optional, X = not possible \* only available with Airsave Ultimate



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Technical specifications subject to change  
Illustrations may include optional equipment  
All Prices without VAT, packing and transportation

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