

AIRSTAR MOBILE SERIES

Our tip!

Only compress to the level you really need; after all, compressing just one “bar” more will cost 10% more energy.

Piston compressors are more economical than screw-type compressors in case of low and fluctuating compressed air requirements. Piston compressors support start/stop operation and do not have an idle mode.



Robust quality



- **Maintenance block** with fixed screw connectors and filter pressure regulator
- Two large pressure gauges for displaying the tank and working pressure



- **MDR CONDOR pressure switch** - fully-automated On/Off operation



- With **single-handed quick couplings**



- **Toothed drive belt**



- **Corrosion-free valve plates**



- **2-cylinder high-performance grey cast unit, slow running**
- Re-cooler with large cooling fins



- **Large impeller and one cooling air baffle** on the cylinder Stable metal belt guard grille



- **Transport handle** on the compressed air tank
- **Flexible armoured hose** with heat protection
- **Start-up relief valve**



- **Large, puncture-proof wheels**



- **Powder coating**
The AIRSTAR Series comes with a **10-year** guarantee against corrosion perforation on the pressure vessel.*

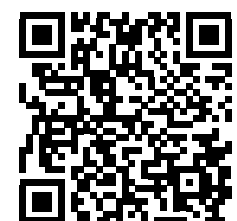


- **Steering chassis** with parking brake



- **400 volts models** equipped with phase inverter for easy manual inversion of the sense of rotation

Prepare to be fascinated!
For more information, check out our website



AIRSTAR Series - single-stage and two-stage

AIRSTAR series - rugged compressors for building and other trades with a proven belt-driven and twin-cylinder, high-performance grey cast iron motor, and professional accessories.

- ▶ Twin-cylinder high-performance grey cast iron motor for a long service life
- ▶ Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ A re-cooler with large-surface cooling fins ensures a low compressed air tank inlet temperature, thus reducing the moisture content of the compressed air.
- ▶ Stable metal belt guard grille
- ▶ A start-up capacitor and start-up relief valve ensure a soft start for 230 volt models
- ▶ 400 volt models are equipped with a phase inverter as a factory standard for easy manual changing of the direction of rotation
- ▶ Pressure tank equipped with a safety valve, tank pressure gauge and a condensate drain valve
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect
- ▶ Filter pressure regulator with a pressure gauge for controlled condensate-, dirt- and oil-free compressed air; second pressure gauge for the compressed air tank pressure.
- ▶ Powder-coated compressed air tank, ten-year warranty on the compressed air tank against corrosion perforation
- ▶ With **premium quick-action couplings** and a premium **CONDOR pressure switch**
- ▶ **With a flexible, heat protected armoured hose** for a long service life, as vibration breaks are ruled out
- ▶ Including an **ergonomic handle, rubberised grip and transport handle on the compressed air tank** for convenient transportation
- ▶ With a stable **steering chassis and parking brake in combination with large puncture-proof wheels** for convenient transportation



AIRSTAR 401/50
AIRSTAR 403/50



AIRSTAR 503/100

Model	AIRSTAR 401/50	AIRSTAR 403/50	AIRSTAR 503/50	AIRSTAR 503/100
Art. no.	2009410	2009430	2009530	2009531
Technical specifications				
Compressor system ⁽¹⁾	HOS	HOS	HOS	HOS
Intake capacity approx.	365 l/min	390 l/min	510 l/min	510 l/min
Fill capacity approx.	266 l/min	285 l/min	400 l/min	400 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Vessel capacity	50 l	50 l	50 l	100 l
Cylinders/stages	2/1	2/1	2/1	2/1
Rotational speed	1 360 rpm	1 470 rpm	1 310 rpm	1 310 rpm
Sound power level L _{WA} ⁽²⁾	96 dB(A)	96 dB(A)	94 dB(A)	94 dB(A)
Motor Power 50 Hz	2.2 kW / 230 V	2.2 kW / 400 V	3 kW / 400 V	3 kW / 400 V
Dimensions (L x W x H)	860 x 440 x 800 mm	860 x 440 x 800 mm	860 x 440 x 880 mm	1 125 x 480 x 925 mm
Weight	57.5 kg	57.5 kg	65 kg	75 kg

(1) For a description of the compressor systems refer to page 14 (2) Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

AIRSTAR 703/853 - two-stage compression

- ▶ The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action

- ▶ This ensures an even longer service life by reducing wear
- ▶ Additionally with intercooler and re-cooler



AIRSTAR 703/100



AIRSTAR 853/200

On
200l
vessel



Mobile AIRSTAR features

- The working pressure can be infinitely set via the pressure regulator to allow for reduced pressure compressed air take-off
- Two pressure gauges indicate the tank and working pressure
- With filter pressure regulator
- Equipped with a **composite safety coupling** and premium **CONDOR** pressure switch as standard



- A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air
- This is gentle on the connected compressed air tools.



- Rugged, puncture-proof tyres
- Avoids flat tyres without compromising on convenience



- Rugged steering chassis with parking brake

Model	AIRSTAR 703/100	AIRSTAR 853/100	AIRSTAR 853/200
Art. no.	2009731	2009831	2009832
Technical specifications			
Compressor system ⁽¹⁾	HOS	HOS	HOS
Intake capacity approx.	650 l/min	850 l/min	850 l/min
Fill capacity approx.	520 l/min	680 l/min	680 l/min
Maximum pressure	10 bar	10 bar	10 bar
Vessel capacity	100 l	100 l	200 l
Cylinders/stages	2/2	2/2	2/2
Rotational speed	950 rpm	1 240 rpm	1 240 rpm
Sound power level L _{WA} ⁽²⁾	93 dB(A)	95 dB(A)	95 dB(A)
Motor Power 50 Hz	4 kW / 400 V	5.5 kW / 400 V	5.5 kW / 400 V
Dimensions (L x W x H)	1 125 x 480 x 1 015 mm	1 125 x 480 x 1 015 mm	1 190 x 680 x 1 150 mm
Weight	99 kg	112 kg	153 kg

(1) For a description of the compressor systems refer to page 14 (2) Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

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AIRPROFI MOBILE SERIES

Our tip!

Only compress to the level you really need; after all, compressing just one “bar” more will cost 10% more energy.

Piston compressors are more economical than screw-type compressors in case of low and fluctuating compressed air requirements. Piston compressors support start/stop operation and do not have an idle mode.



Maximum equipment level, best quality and an attractive price!



- ▶ Controls integrated into **high-quality control panel**
- ▶ **Maintenance block** with fixed screw connectors and filter pressure regulator
- ▶ **Two air take-off points**
- ▶ Two large pressure gauges for displaying the tank and working pressure



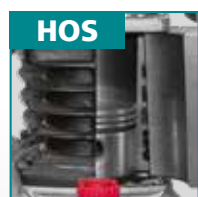
- ▶ **MDR CONDOR pressure switch** - fully-automated On/Off operation



- ▶ **Toothed drive belt**



- ▶ **Corrosion-free valve plates**



HOS

- ▶ **2-cylinder high-performance grey cast unit, slow running**
- ▶ Re-cooler with large cooling fins

- ▶ **Large impeller and one cooling air baffle** on the cylinder Stable metal belt guard grille



- ▶ **Transport handle** on the compressed air tank

- ▶ **Flexible armoured hose** with heat protection
- ▶ **Start-up relief valve**



- ▶ **Puncture-proof wheels**



- ▶ **Ball valve installed** as standard 3/8 inch female

- ▶ **The quality electric motor** with high torque

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- ▶ **400 volts models** equipped with phase inverter for easy manual inversion of the sense of rotation



- ▶ **Steering chassis** with parking brake

- ▶ **With single-handed quick couplings**

- ▶ **Ergonomic handle extension**

- ▶ **Third compressed air take-off point** via direct outlet with ball valve on the vessel



- ▶ **Compressed air tank** hot galvanised inside and out as standard
- ▶ The AIRPROFI series comes with a **15-year guarantee against corrosion perforation** on the compressed air tank

AIRPROFI Series - single-stage and two-stage

New

AIRPROFI Series - Professional compressors with a twin-cylinder, high-performance grey cast iron motor and a maximum equipment level

- ▶ The high-performance grey cast iron motor and the low speed guarantee smooth action and a long compressor service life
- ▶ A re-cooler with large cooling fins ensures a low compressed air tank inlet temperature, thus reducing the moisture content of the compressed air
- ▶ The large fan wheel and a cooling air baffle on the cylinder provide for optimum cooling of the compressor
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ A start-up capacitor and start-up relief valve ensure a smooth start-up.
- ▶ 400 volt models are equipped with a phase inverter as a factory standard for easy manual changing of the direction of rotation
- ▶ Flexible armoured hose with heat protection avoids vibration fractures.
- ▶ The toothed drive belt facilitates starting.
- ▶ Stable metal belt guard grille
- ▶ Fully automatic On/Off operation
- ▶ Handle extension
- ▶ Large, puncture-resistant wheels and a sturdy steering chassis with parking brake enable easy transport, as the compressor does not need to be lifted to move it.
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ With **premium quick-action couplings and a premium CONDOR pressure switch**
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect

ZÜS approved compressor

- ▶ Approval by an authorised expert also possible prior to commissioning



AIRPROFI 403/50



AIRPROFI 503/100

Model	AIRPROFI 401/50	AIRPROFI 403/50	AIRPROFI 503/50	AIRPROFI 503/100
Art. no.	2018410	2018430	2018530	2018531
Technical specifications				
Compressor system ⁽¹⁾	HOS	HOS	HOS	HOS
Intake capacity approx.	365 l/min	390 l/min	510 l/min	510 l/min
Fill capacity approx.	266 l/min	285 l/min	400 l/min	400 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Vessel capacity	50 l	50 l	50 l	100 l
Cylinders/stages	2/1	2/1	2/1	2/1
Rotational speed	1 360 rpm	1 470 rpm	1 310 rpm	1 310 rpm
Sound power level L _{WA} ⁽²⁾	96 dB(A)	96 dB(A)	95 dB(A)	93 dB(A)
Motor Power 50 Hz	2.2 kW/ 230 V	2.2 kW/ 400 V	3 kW/ 400 V	3 kW/ 400 V
Dimensions (L x W x H)	810 x 430 x 790 mm	810 x 430 x 790 mm	860 x 440 x 880 mm	1 275 x 480 x 925 mm
Weight	56 kg	56 kg	66 kg	76 kg

(1) For a description of the compressor systems refer to page 14 (2) Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

AIRPROFI 703/853 - two-stage compression

- The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action
- This ensures an even longer service life by reducing wear
- Additionally with intercooler and re-cooler

AIRPROFI 703/75/13 - 13 bar operating pressure

- Professional compressor with 13 bar operating pressure on a 75 l compressed air tank
- ZÜS approved compressor**
- Approval by an authorised expert also possible prior to commissioning



AIRCRAFT is the first manufacturer to use **single-handed safety couplings** as per DIN EN 983 as **standard**

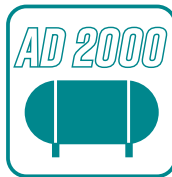


Single-handed safety couplings

- Two separate locking systems for maximum working safety
- Avoiding hose line backlash



AIRPROFI 703/75/13



AIRPROFI 853/200

On
200l
vessel



- Filter pressure regulator for continuous adjustment of the working pressure, with simultaneous dirt, oil and condensate separation
- Two pressure gauges indicate the tank and working pressure
- Three compressed air outlets for filtered compressed air, filtered and lubricated compressed air and a direct compressed air outlet from the tank
- Air take-off with **convenient quick-action safety couplings**
- Equipped as a factory standard with a premium **CONDOR pressure switch** (Fig. 230 volts)

	New	New	New	New	
	AIRPROFI 703/100	AIRPROFI 853/100	AIRPROFI 853/200	AIRPROFI 703/75/13	AIRPROFI 703/100/15
Model	2018731	2018831	2018832	2018734	2018735
Art. no.					
Technical specifications					
Compressor system ⁽¹⁾	HOS	HOS	HOS	HOS	HOS
Intake capacity approx.	650 l/min	850 l/min	850 l/min	575 l/min	575 l/min
Fill capacity approx.	520 l/min	680 l/min	680 l/min	460 l/min	460 l/min
Maximum pressure	10 bar	10 bar	10 bar	13 bar	13(15) bar
Vessel capacity	100 l	100 l	200 l	75 l	100 l (AD 2000)
Cylinders/stages	2/2	2/2	2/2	2/2	2/2
Rotational speed	950 rpm	1 240 rpm	1 240 rpm	850 rpm	850 rpm
Sound power level L _{WA} ⁽²⁾	93 dB(A)	95 dB(A)	95 dB(A)	93 dB(A)	94 dB(A)
Motor Power 50 Hz	4 kW / 400 V	5.5 kW / 400 V	5.5 kW / 400 V	4 kW / 400 V	4 kW / 400 V
Dimensions (L x W x H)	1 275 x 480 x 1 015 mm	1 275 x 480 x 1 015 mm	1 190 x 680 x 1 150 mm	1 020 x 440 x 1 015 mm	1 275 x 480 x 1 015 mm
Weight	99 kg	112 kg	139 kg	103 kg	109 kg

(1) For a description of the compressor systems refer to page 14 (2) Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

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AIRPROFI Series - single-stage

AIRPROFI Series - Professional compressors with a twin-cylinder, high-performance grey cast iron motor and a maximum equipment level

- ▶ The high-performance grey cast iron power unit and the low speed guarantee smooth action and a long service life
- ▶ A re-cooler with large cooling fins ensures a low compressed air tank inlet temperature, thus reducing the moisture content of the compressed air
- ▶ The large fan wheel and a cooling air baffle on the cylinder provide for optimum cooling of the compressor
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ A start-up capacitor and start-up relief valve ensure a smooth start-up.
- ▶ 400 volt models are equipped with a phase inverter as a factory standard for easy manual changing of the direction of rotation
- ▶ Flexible armoured hose with heat protection avoids vibration fractures.
- ▶ The toothed drive belt facilitates starting.
- ▶ Stable metal belt guard grille
- ▶ Fully automatic On/Off operation
- ▶ Handle extension

- ▶ Large, puncture-resistant wheels and a sturdy steering chassis with parking brake enable easy transport, as the compressor does not need to be lifted to move it.
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ With **premium quick-action couplings and a premium CONDOR pressure switch**
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect

ZÜS approved compressor

- ▶ Approval by an authorised expert also possible prior to commissioning



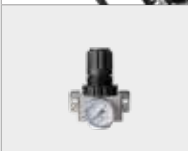
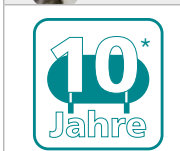
AIRPROFI 503/90 V



Model	AIRPROFI 401/90 V	AIRPROFI 403/90 V	AIRPROFI 503/90 V
Art. no.	2018414	2018434	2018533
Technical specifications			
Compressor system ⁽¹⁾	HOS	HOS	HOS
Intake capacity approx.	365 l/min	390 l/min	510 l/min
Fill capacity approx.	266 l/min	285 l/min	400 l/min
Maximum pressure	10 bar	10 bar	10 bar
Vessel capacity	90 l	90 l	90 l
Cylinders/stages	2/1	2/1	2/1
Rotational speed	1 360 rpm	1 470 rpm	1 310 rpm
Sound power level L _{WA} ⁽²⁾	96 dB(A)	96 dB(A)	95 dB(A)
Motor Power 50 Hz	2.2 kW/ 230 V	2.2 kW/ 400 V	3 kW/ 400 V
Dimensions (L x W x H)	600 x 600 x 1 070 mm	600 x 600 x 1 070 mm	600 x 600 x 1 070 mm
Weight	66 kg	66 kg	76 kg

(1) For a description of the compressor systems refer to page 14 (2) Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

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	Arguments that speak for themselves.	AIRSTAR E Series	AIRSTAR Series	AIRPROFI Series		Arguments that speak for themselves.	AIRSTAR E Series	AIRSTAR Series	AIRPROFI Series
	Automatic pressure switch	✓				Two compressed air outlets for filtered compressed air			✓
	- High quality MDR CONDOR pressure switch - Fully automatic On/Off operation		✓	✓		Third compressed air outlet via direct outlet on tank with ball valve			✓
	- Power connection cable with plug - For easy manual inversion of the sense of rotation	✓	✓	✓		- Toothed drive belt - Large impeller and one cooling air baffle		✓	✓
	Simple transport handle	✓	✓			Twin-cylinder high-performance motor in grey cast iron and low speed with HOS compressor	✓	✓	✓
	Transport handle extension			✓		Flexible armoured hose with heat protection		✓	✓
	Pressure controller	✓				- Powder coated - Ten-year guarantee against corrosion perforation		✓	
	Filter pressure regulator		✓			- Hot-dip galvanised tank on interior and exterior 15-year guarantee against corrosion perforation			✓
	Filter pressure regulator with oil mist lubricator			✓		With two plastic wheels at the back and two damping elements at the front	✓		
	Single-handed quick-release coupling	✓				- Rugged steering chassis with parking brake - Large, puncture-proof wheels		✓	✓
	Composite safety coupling		✓			Features a practical transport handle on the compressed air tank		✓	✓
	Single-handed quick-action safety couplings as per DIN EN 983			✓		Ball valve 3/8 inch inside thread for draining condensate			✓