

STATIONARY COMPRESSORS - 10 BAR

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.

K = with refrigeration dryer

KK = with refrigeration dryer, condensate drain, condensate conditioning and pre-filter



Your benefits:

- Preinstalled and ready for action
- All-round protection
- Easily transported at any time
- Integrated catchment sump
- With condensate management
- Pre-filtered compressed air

Stationary compressors - central compressed air supply systems based on a modular assembly kit

► The modular assembly kit supports the flexible composition of a compressed air supply system.

Your benefits:

- Customisable
- Ability to implement a central, high-capacity compressed air supply
- Ability to design systems for handling peak loads
- Can be extended at any time

Compressed air system with piston compressor

- ① Piston compressor (e.g. Silent, auxiliary compressor, etc.)
- ② Water separator with condensate drain
- ③ Compressed air refrigeration dryer
- ④ Bypass line
- ⑤ Compressed air vessels
- ⑥ Condensate drain
- ⑦ Oil-water separator
- ⑧ Micro filter
- ⑨ Nanofilters
- ⑩ Activated carbon filter
- ⑪ Compressed air energy saver



As an alternative to the modular assembly kit, AIRCRAFT offers complete compressed air systems, integrated on a safety upright pallet.

Ideal for workshops where space is at a premium.

The water separator is directly downstream of the piston compressor for 99% water pre-separation. This relieves the load on the downstream devices.

99% separation of the precipitated condensate

Your benefits:

- Relieves the load on the downstream devices*
- Thus reducing energy consumption
- Better compressed air quality
- Less pressure drop (flow-optimised)

*e.g. Compressed air refrigeration dryer with optional bypass line

Compressed air system with screw-type compressor

- ① Screw-type compressor
- ② Water separator with condensate drain
- ③ Compressed air vessels
- ④ Automatic condensate drain
- ⑤ Condensate conditioner for oil-water separation
- ⑥ Fine filter
- ⑦ Compressed air refrigeration dryer
- ⑧ Bypass line
- ⑨ Nanofilters
- ⑩ Activated carbon filter
- ⑪ Compressed air energy saver
- ⑫ Peak load compressor



A cyclone water separator (2) is also located directly downstream of the screw-type compressor (1) for 99 % water pre-separation.

The compressed air then reaches the compressed air tank (3) which is equipped with a level-controlled condensate drain (4).

From the compressed air tank it flows through a microfilter (6) to the compressed air refrigerant type dryer (7). Depending on the requirements, a nanofilter (8), for separating micro particles, and an activated carbon filter (9), for separating oil vapours, odorants, and flavourings, then follow.

Screw-type and piston compressors can be combined in a single system to cope with peak loads.

We, or our sales partners in your region, will be glad to advise you on your options for a turn-key compressed air solution. We will develop the most economical and cost-efficient solution for you.

Stationary - 10 bar

AIRSTAR Series - rugged compressors for building and trade applications with proven belt drive and two-stage, twin-cylinder, high-performance grey cast iron motors

- 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
- Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor
- Re-cooler with cooling fins and intercooler for re-cooler ensure a low compressed air tank inlet temperature, thus reducing the moisture content of the compressed air.

- Premium electric motor with high torque
- Electric motor equipped with soft-start and motor protection switch
- Equipped with a premium **CONDOR pressure switch**
- Equipped with a pressure gauge for compressed air tank pressure and a ball valve on the compressed air tank
- The compressed air tank is equipped with a safety valve, tank pressure gauge and a condensate drain valve

- **Powder-coated compressed air tank, ten-year warranty on the compressed air tank against corrosion perforation**
- Equipped with all safety devices
- Complete and ready to connect
- Stable metal belt guard grille
- Including anti-vibration elements



STATIONARY MODELS *OPTIONALLY*
ACCORDING TO AD2000 OR
WITHOUT AD 2000 TANK!

AIRSTAR 703/270/10 H
Fig. shows the scope of delivery



AIRSTAR 703/270/10 V
Fig. shows the scope of delivery

Model		AIRSTAR 703/270/10 H	AIRSTAR 853/270/10 H	AIRSTAR 703/270/10 V	AIRSTAR 853/270/10 V
Art. no.		2028751	2028761	2028750	2028760

Model			AIRSTAR 703/270/10 H According to AD 2000	AIRSTAR 853/270/10 H According to AD 2000	AIRSTAR 703/270/10 V According to AD 2000	AIRSTAR 853/270/10 V According to AD 2000
Art. no.			2028753	2028763	2028752	2028762

Technical specifications					
Compressor system ⁽¹⁾		HOS	HOS	HOS	HOS
Intake capacity approx.		650 l/min	850 l/min	650 l/min	850 l/min
Fill capacity approx.		520 l/min	680 l/min	520 l/min	680 l/min
Maximum pressure		10 bar	10 bar	10 bar	10 bar
Vessel capacity		270 l	270 l	270 l	270 l
Cylinders/stages		2/2	2/2	2/2	2/2
Rotational speed		950 rpm	1 240 rpm	950 rpm	1 240 rpm
Sound pressure level L _p ⁽²⁾		83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)
Air outlet		3/4"	3/4"	3/4"	3/4"
Motor Power 50 Hz		4 kW / 400 V	5.5 kW/ 400 V	4 kW/ 400 V	5.5 kW/ 400 V
Dimensions (L x W x H)		1 950 x 600 x 1 250 mm	1 950 x 600 x 1 250 mm	720 x 720 x 1 770 mm	720 x 720 x 1 770 mm
Weight		160 kg	173 kg	160 kg	173 kg

Quality characteristics of the stationary AIRPROFI air compressors



- Quality electric motor with high torque
- Equipped with motor protection switch
- Equipped with a phase inverter as standard for easy manual inversion of the sense of rotation

- Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor



- 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

- Stable metal belt guard grille



- With premium CONDOR pressure switch
- Equipped with a safety valve, a pressure gauge for compressed air tank pressure and a ball valve on the compressed air tank



- Feet including anti-vibration elements and condensate drain valve



AIRSTAR 703/270/10 V
Fig. shows upright space-saving version



Warranty

- Interior and exterior of compressed air tank hot-dip galvanised; 15-year warranty against corrosion perforation of the tank
- **200, 270 and 500 l tanks as per AD 2000**



200, 270 and 500 l tanks as per AD 2000

- Tank built in compliance with AD2000 rules



AIRPROFI 1003/500/10 H
Fig. shows horizontal version

Stationary - 10 bar

AIRPROFI V Series 10 bar - stationary compressors with an upright 270 L compressed air tank. Maximum performance on a small footprint

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ The large impeller ensures optimum cooling.

- ▶ Fully automatic On/Off operation
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Flexible armoured hose line with heat protection avoids vibration fractures
- ▶ Three compressed air take-off points on the tank
- ▶ Interior and exterior of pressure vessel hot-dip

galvanised; 15-year warranty against corrosion perforation of the vessel

- ▶ Equipped with a premium **CONDOR pressure switch**
- ▶ Completely ready for connection with all fittings
- ▶ As of 7.5 kW, equipped with an automatic star delta switch as factory standard



Scope of delivery V
Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements

Scope of delivery VK
Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements
Safety pallet
Refrigeration dryer
Fine filter



AIRPROFI 853/270 VK

Model	AIRPROFI 703/270/10 V	AIRPROFI 853/270/10 V
Art. no.	2024712	2024812
Model	AIRPROFI 703/270/10 VK	AIRPROFI 853/270/10 VK
Art. no.	2024712 K	2024812 K
Model	AIRPROFI 703/270/10 VKK	AIRPROFI 853/270/10 VKK
Art. no.	2024712 KK	2024812 KK

Technical specifications		
Compressor system ⁽¹⁾	HOS	HOS
Intake capacity approx.	650 l/min	850 l/min
Fill capacity approx.	520 l/min	680 l/min
Maximum pressure	10 bar	10 bar
Vessel capacity	270 l (AD 2000)	270 l (AD 2000)
Cylinders/stages	2/2	2/2
Rotational speed	950 rpm	1 240 rpm
Sound pressure level L _p ⁽²⁾	83 dB(A)	83 dB(A)
Air outlet	3/4"	3/4"
Motor Power 50 Hz	4 kW/ 400 V	5.5 kW/ 400 V
Dimensions (L x W x H)	V: 780 x 680 x 1 870 mm VK: 1200 x 680 x 1970 mm VKK: 1 200 x 680 x 1 970 mm	V: 780 x 680 x 1 870 mm VK: 1 200 x 800 x 1 970 mm VKK: 1 200 x 800 x 1 970 mm
Weight	V: 152 / VK: 194 / VKK: 197 kg	V: 152 / VK: 201 / VKK: 204 kg

(1) For a description of the compressor systems to page 14
(2) Sound pressure level at 1 m distance as per DIN 45635 T 13
*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

The perfect compressed air full service station



- Automatic condensate drain on the compressed air tank
- No unnecessary loss of compressed air thanks to level control



- Condensate conditioner WOS 1 for oil-water separation
- You will also find important notes on condensate conditioning in the compressed air treatment chapter.



- Microfilter for separating condensate and dirt with particle sizes of up to 1 micron.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer



- K-variant equipped with a refrigeration dryer and integrated automatic condensate drain as a factory standard
- Pressure dew point at 5 °C, ambient temperature 25 °C, atmospheric dew point at -22 °C

Scope of delivery VKK

Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements
Safety pallet
Refrigeration dryer
Fine filter
Condensate conditioner for oil-water separation WOS 1
Automatic condensate drain



- The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action
- The large impeller ensures optimum cooling
- The low speed ensures a highly efficient air delivery performance while reducing wear.
- The intercooler and re-cooler with a large cooling fin surface area ensure a low compressed air tank inlet temperature, thus reducing condensate build-up
- Flexible, heat protected armoured hose for a long service life, as vibration breaks are ruled out

Maximum feature set on a small footprint

- The KK variant houses your complete compressed air generation and processing needs on a footprint of approx. 1 m². Delivery including safety palette.

AIRPROFI 853/270 VKK

Accessories	Art. no.
1 anti-vibration element with single-sided thread 100 x 38 mm / M10	2505640
1 anti-vibration element with two-sided thread 70 x 38 mm / 2 x M10 (for SSP)	2505650
Safety stand pallet SSP upright stationary 1 200 x 800 x 140 mm	2030103



Accessories	Art. no.
Automatic star-delta switch with operation hour counter (Mandatory in some regions as of 5.5 kW)	2506010
Electromagnetic start-up relief 24 V AC closed when de-energised	2506015
Electromagnetic start-up relief 24 V AC open when de-energised	2506017



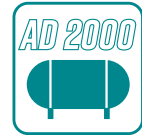
Stationary - 10 bar

AIRPROFI H series 10 bar - stationary compressors with a horizontal pressure vessel, for maximum compressed air availability.

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low compressed air tank inlet temperature, thus reducing condensate build-up
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ With premium CONDOR pressure switch
- ▶ Completely ready for connection with all fittings
- ▶ Flexible armoured hose with heat protection avoids vibration fractures
- ▶ Automatic star-delta switch with operation hour counter as of 7.5 kW models
- ▶ **200, 270 and 500 l tanks as per AD 2000**

ZÜS approved compressor

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



AIRPROFI 853/100/10 H

- ▶ A genuine space saver with a 100 litre tank



AIRPROFI 853/200/10 H

- ▶ 2-cylinder compressor with 200 litre compressed air tank



AIRPROFI 853/270/10 H

- ▶ 2-cylinder compressor with 270 litre compressed air tank

Model AIRPROFI	703/100/10 H	853/100/10 H	853/200/10 H	703/270/10 H	853/270/10 H
Art. no.	2022273	2022283	2022284	2025712	2025812
Technical specifications					
Compressor system ⁽¹⁾	HOS	HOS	HOS	HOS	HOS
Intake capacity approx.	650 l/min	850 l/min	850 l/min	650 l/min	850 l/min
Fill capacity approx.	520 l/min	680 l/min	680 l/min	520 l/min	680 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar
Vessel capacity	100 l	100 l	200 l (AD 2000)	270 l (AD 2000)	270 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	950 rpm	1 240 rpm
Sound pressure level L _p ⁽²⁾	83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)
Air outlet	1/2"	1/2"	3/4"	3/4"	3/4"
Motor Power 50 Hz	4 kW	5.5 kW	5.5 kW	4 kW	5.5 kW
Dimensions (L x W x H)	1 120 x 460 x 960 mm	1 120 x 460 x 960 mm	1 150 x 500 x 1 150 mm	1 190 x 600 x 1 250 mm	1 150 x 600 x 1 240 mm
Weight	98 kg	110 kg	122 kg	180 kg	195 kg



AIRPROFI 1003/500/10 H

- With 500 litre tank for maximum compressed air availability

Scope of delivery AIRPROFI H

- Start-up relief
- Anti-vibration elements
- Automatic star-delta switch with operation hour counter as of 7.5 kW models



- Automatic star-delta switch with operation hour counter as of 7.5 kW models



- Premium fin-type intake filter as of AIRPROFI 1003/500/10 H



AIRPROFI 853/500/10 H

- With 500 litre tank for maximum compressed air availability

Scope of delivery AIRPROFI Tandem

- Start-up relief
- Anti-vibration elements
- Tandem control

Model AIRPROFI	853/500/10 H	1003/500/10 H	1253/500/10 H
Art. no.	2025815	2025915	2026015
Technical specifications			
Compressor system*	HOS	HOS	HOS
Intake capacity approx.	850 l/min	950 l/min	1 200 l/min
Fill capacity approx.	680 l/min	750 l/min	900 l/min
Maximum pressure	10 bar	10 bar	10 bar
Vessel capacity	500 l (AD 2000)	500 l (AD 2000)	500 l (AD 2000)
Cylinders/stages	2/2	2/2	2/2
Rotational speed	1 240 rpm	960 rpm	1 220 rpm
Sound pressure level L _p (2)	83 dB(A)	82 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"	3/4"
Motor Power 50 Hz	5.5 kW	5.5 kW	7.5 kW
Dimensions (L x W x H)	2 020 x 570 x 1 300 mm	2 020 x 570 x 1 340 mm	2 020 x 570 x 1 340 mm
Weight	235 kg	245 kg	245 kg

(1) For a description of the compressor systems to page 14 (2) Sound pressure level at 1 m distance as per DIN 45635 T 13
*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

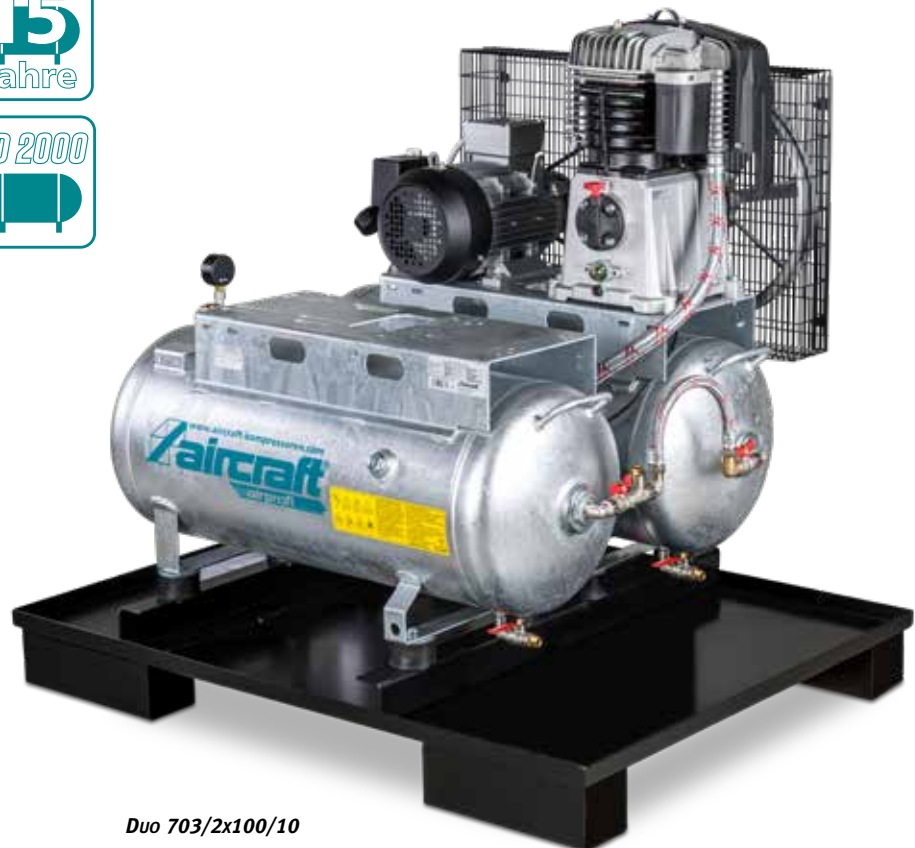
Stationary - twin systems - 10 bar

Airprofi DUO - universally deployable compressed air station with 2 x 100 l compressed air tanks, preassembled on a safety pallet, space-saving and transportable

- ▶ Two-cylinder, high-performance, two-stage compressor unit with a grey cast iron cylinder block
- ▶ Low speeds ensures a smooth, virtually vibration free action and a long service life
- ▶ The large impeller ensures optimum cooling
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Equipped with a phase inverter for easy manual inversion of the sense of rotation
- ▶ Intermediate and re-coolers reduce condensate build-up
- ▶ Maintenance block with two pressure gauges for the tank and working pressure, premium **CONDOR pressure switch**
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Fully automatic On/Off operation
- ▶ Completely ready for connection with all fittings



Fig. shows KK version



Duo 703/2x100/10

Model	Duo 703/2x100/10
Art. no.	2023072
Model	Duo 703/2x100/10 K
Art. no.	2023073
Model	Duo 703/2x100/10 KK
Art. no.	2023074

Technical specifications	
Compressor system ⁽¹⁾	HOS
Intake capacity approx.	650 l/min
Fill capacity approx.	520 l/min
Maximum pressure	10 bar
Vessel capacity	2 x 100 l (AD2000)
Cylinders/stages	2/2
Rotational speed	950 rpm
Sound pressure level L _p ⁽²⁾	83 dB(A)
Air outlet on compressed air tank	3/4"
Air outlet on refrigeration dryer	1/2"
Motor Power 50 Hz	4 kW / 400 V
Dimensions (L x W x H)	1 200 x 900 x 1 250 mm
Weight	235 kg

Equipment level	DUO	DUO K	DUO KK
Star-delta switch for models as of 7.5 kW motor	X	X	X
Start-up relief	X	X	X
Anti-vibration elements	X	X	X
Safety pallet		X	X
Refrigeration dryer		X	X
Fine filter		X	X
Condensate conditioner for oil-water separation			X
Automatic condensate drain			X

(1) For a description of the compressor systems to page 14

(2) Sound pressure level at 1 m distance as per DIN 45635 T 13

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

AD 2000

200 l, 270 l and 500 l
Vessel acc. to AD 2000
standard

- Tank built in compliance with AD2000 rules



Duo 853/2x100/10 KK

Model	Duo 853/2x100/10
Art. no.	2023085
Model	Duo 853/2x100/10 K
Art. no.	2023086
Model	Duo 853/2x100/10 KK
Art. no.	2023087

Technical specifications	HOS
Compressor system ⁽¹⁾	
Intake capacity approx.	850 l/min
Fill capacity approx.	680 l/min
Maximum pressure	10 bar
Vessel capacity	2 x 100 l
Cylinders/stages	2/2
Rotational speed	1 240 rpm
Sound pressure level L _p ⁽²⁾	83 dB(A)
Air outlet on compressed air tank	3/4"
Air outlet on refrigeration dryer	1/2"
Motor Power 50 Hz	5.5 kW / 400 V
Dimensions (L x W x H)	1 200 x 900 x 1 140 mm
Weight	235 kg

Flexibility on top

- Enabling the second compressed air vessel doubles the pressure vessel volume, thus creating a greater compressed air reserve. Helps to cover short-term peaks in compressed air requirements
- For, e.g., chisel, hammer or sandblasting work, the second vessel can be isolated from the compressed air supply. This halves the vessel volume helping to build up the pressure more quickly.

(1) For a description of the compressor systems to page 14
(2) Sound pressure level at 1 m distance as per DIN 45635 T 13
* Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH



K variant with refrigeration dryer

- With integrated automatic condensate drain
- Pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C

K version with fine filter

- Microfilter for separating condensate and dirt with particle sizes of up to 1 micron.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer



KK version with automatic condensate drain

- Mounted on the condensate drain of the compressed air tank
- This ensures condensate separation without unnecessary pressure loss



- Condensate conditioner for oil-water separation

You will also find important notes on condensate conditioning in the compressed air treatment chapter.

AIRPROFI BK Series - auxiliary compressors provide an attractively priced option for generating additional compressed air performance, ideal as peak load compressors

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low compressed air tank inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Ready to connect with all fittings, such as pressure

- switch for fully-automatic on/off switching operation, safety and non-return valves, condensate and air bleed valve for autonomous operation
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ With premium **CONDOR** pressure switch
- ▶ Completely ready for connection with all fittings



- High-performance grey cast iron motor, slow running
- A re-cooler with large-surface cooling fins ensures a low compressed air tank inlet temperature
- The flexible armoured hose line with heat protection avoids vibration fractures.



AIRPROFI BK 703/13/10

Auxiliary compressors are used:

- If the existing air supply volume is insufficient
- To cope with peak loads
- Wherever it is important to provide 100% reliability
- Where legacy equipment would require expensive repairs.

Model	AIRPROFI BK 703/13/10	AIRPROFI BK 1003/13/10
Art. no.	2029711	2029911
Technical specifications		
Compressor system ⁽¹⁾	HOS	HOS
Intake capacity approx.	650 l/min	960 l/min
Fill capacity approx.	520 l/min	750 l/min
Maximum pressure	10 bar	10 bar
Vessel capacity	13 l	13 l
Cylinders/stages	2/2	2/2
Rotational speed	950 rpm	1 060 rpm
Sound pressure level L _p ⁽²⁾	83 dB(A)	83 dB(A)
Air outlet	3/4"	3/4"
Motor Power 50 Hz	4 kW / 400 V	5.5 kW / 400 V
Dimensions (L x W x H)	685 x 745 x 675 mm	685 x 790 x 745 mm
Weight	55 kg	80 kg

(1) For a description of the compressor systems to page 14

(2) Sound pressure level at 1 m distance as per DIN 45635 T 13

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



Recommended accessories

AIRCRAFT pressure vessel arrays as 2x or 4x arrays for up to 400 litres of additional air supply

Installation testing to be performed by a specialist only.

See page 129 for more details

STATIONARY COMPRESSORS - 13-15 BAR

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.

K = with refrigeration dryer

KK = with refrigeration dryer, condensate drain, condensate conditioning and pre-filter



Stationary - 13 - 15 bar

AIRPROFI Series 13 and 15 bar - Stationary compressors with an upright or horizontal pressure vessel, for operating pressures above 10 bar

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Flexible armoured hose with heat protection avoids vibration fractures

- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Equipped with a premium **CONDOR pressure switch**
- ▶ Completely ready for connection with all fittings

AIRPROFI 703/75/13 H

- ▶ With 75 litre tank
- ▶ Professional compressor with 13 bar operating pressure

ZÜS approved compressor

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

Additional equipment for "K" type:

- ▶ Refrigeration dryer for dry compressed air ensuring a longer service life of compressed air tools and avoiding failure of pneumatic controls
- ▶ With an automatic condensate drain



Scope of delivery V	
Star-delta switch for models as of 7.5 kW motor	
Start-up relief	
Anti-vibration elements	

AIRPROFI 703/270/15 V

Scope of delivery VK	
Star-delta switch for models as of 7.5 kW motor	
Start-up relief	
Anti-vibration elements	
Safety pallet	
Refrigeration dryer	
Fine filter	



AIRPROFI 753/270/15 VK



Model	AIRPROFI 703/270/15 V	AIRPROFI 753/270/15 V
Art. no.	2024752	2024852

Model	AIRPROFI 703/270/15 VK	AIRPROFI 753/270/15 VK
Art. no.	2024752 K	2024852 K

Model	AIRPROFI F 703/270/15 VKK	AIRPROFI 753/270/15 VKK
Art. no.	2024752 KK	2024852 KK

Technical specifications		
Compressor system ⁽¹⁾	HOS	HOS
Intake capacity approx.	575 l/min	750 l/min
Fill capacity approx.	460 l/min	525 l/min
Maximum pressure ⁽³⁾	13(15) bar	13(15) bar
Vessel capacity	270 l (AD 2000)	270 l (AD 2000)
Cylinders/stages	2/2	2/2
Rotational speed	850 rpm	785 rpm
Sound pressure level L _{PA} ⁽²⁾	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"
Motor Power 50 Hz	4 kW / 400V	5.5 kW / 400V
Dimensions (L x W x H)	V: 780 x 680 x 1 870 mm	V: 780 x 680 x 1 870 mm
	VK: 1 200 x 800 x 1 970 mm	VK: 1 200 x 800 x 1 970 mm
	VKK: 1 200 x 800 x 1 970 mm	VKK: 1 200 x 800 x 1 970 mm
Weight	V: 152 / VK: 194 / VKK: 197 kg	V: 152 / VK: 194 / VKK: 204 kg

Scope of delivery VKK	
Star-delta switch for models as of 7.5 kW motor	
Start-up relief	
Anti-vibration elements	
Safety pallet	
Refrigeration dryer	
Fine filter	
Condensate conditioner for oil-water separation WOS 1	
Automatic condensate drain	



Maximum feature set on a small footprint

- The KK variant houses your complete compressed air generation and processing needs on a footprint of approx. 1 m².



AIRPROFI 753/270/15 VKK

(1) For a description of the compressor systems, to page 14

(2) Sound pressure level at 1 m distance as per DIN 45635 T 13

(3) Set to 13 bar switch-off pressure as a factory standard; maximum pressure of 15 bar configurable via pressure switch

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

VKK models



- Automatic condensate drain on the compressed air tank
- No unnecessary loss of compressed air thanks to level control

VKK models



- Condensate conditioner WOS 1 for oil-water separation
- You will also find important notes on condensate conditioning in the compressed air treatment chapter.

VK/VKK models



- Microfilter for separating condensate and dirt with particle sizes of up to 1 micron.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer

VK/VKK models



- K/KK-variant equipped with a refrigeration dryer and integrated automatic condensate drain as a factory standard
- Pressure dew point at 5 °C, ambient temperature 25 °C, atmospheric dew point at -22 °C



- Automatic star-delta switch with operation hour counter as of 7.5 kW models



AIRPROFI 703/75/13 H



AIRPROFI 903/500/15 H

- ▶ With 500 litre tank
- ▶ For maximum compressed air availability

Scope of delivery AIRPROFI H

- Start-up relief
- Anti-vibration elements
- Automatic star-delta switch with operation hour counter as of 7.5 kW models

Model	AIRPROFI 703/75/13 H	AIRPROFI 703/270/15 H	AIRPROFI 753/270/15 H	AIRPROFI 903/500/15 H
Art. no.	2022275	2025752	2025852	2025955

Technical specifications

Compressor system ⁽¹⁾	HOS	HOS	HOS	HOS
Intake capacity approx.	575 l/min	575 l/min	750 l/min	1030 l/min
Fill capacity approx.	460 l/min	460 l/min	525 l/min	765 l/min
Maximum pressure	13 bar	13 (15) bar ⁽³⁾	13 (15) bar ⁽³⁾	13 (15) bar ⁽³⁾
Vessel capacity	75 l	270 l (AD 2000)	270 l (AD 2000)	500 l (AD 2000)
Cylinders/stages	2/2	2/2	2/2	2/2
Rotational speed	850 rpm	850 rpm	785 rpm	1 050 rpm
Sound pressure level L _p ⁽²⁾	79 dB(A)	83 dB(A)	82 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"
Motor Power 50 Hz	4 kW / 400V	4 kW / 400V	5.5 kW / 400V	7.5 kW / 400V
Dimensions (L x W x H)	850 x 460 x 960 mm	1 190 x 600 x 1 250 mm	1 190 x 600 x 1 320 mm	2 020 x 570 x 1 340 mm
Weight	103 kg	210 kg	215 kg	300 kg

(1) For a description of the compressor systems see to page 14 (2) Sound pressure level at a distance of 1 m as per DIN 45635 T 13 (3) Set to 13 bar switch-off pressure as factory standard; maximum pressure of 15 bar configurable via the pressure switch

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

Stationary - 13 bar

Airprofi DUO - universally deployable compressed air station with 2 x 75 litre compressed air compressed air tanks, preassembled on a safety pallet, space-saving and mobile

- ▶ Two-cylinder, high-performance, two-stage compressor unit with a grey cast iron cylinder block
- ▶ Low speeds ensures a smooth, virtually vibration free action and a long service life
- ▶ The large impeller ensures optimum cooling
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Equipped with a phase inverter for easy manual inversion of the sense of rotation
- ▶ Intermediate and re-coolers reduce condensate build-up
- ▶ Maintenance block with two pressure gauges for the tank and working pressure, premium **CONDOR pressure switch**
- ▶ Fully automatic On/Off operation
- ▶ Completely ready for connection with all fittings
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel

ZÜS approved compressor

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



DUO 703/2X75/13

Bracket for retrofitting already in place

Model	Duo 703/2x75/13
Art. no.	2023185
Model	Duo 703/2 x 75/13 K
Art. no.	2023186
Model	Duo 703/2x75/13 KK
Art. no.	2023187
Technical specifications	
Compressor system ⁽¹⁾	HOS
Intake capacity approx.	575 l/min
Fill capacity approx.	460 l/min
Maximum pressure	13 bar
Vessel capacity	2 x 75 L
Cylinders/stages	2/2
Rotational speed	850 rpm
Sound pressure level L _p ⁽²⁾	79 dB(A)
Air outlet on compressed air tank	3/4"
Air outlet on refrigeration dryer	1/2"
Motor Power 50 Hz	4 kW / 400 V
Dimensions (L x W x H)	1 200 x 900 x 1 140 mm
Weight	230 kg

Equipment level	DUO	DUO K	DUO KK
Star-delta switch for models as of 7.5 kW motor	X	X	X
Start-up relief	X	X	X
Anti-vibration elements	X	X	X
Safety pallet		X	X
Refrigeration dryer		X	X
Fine filter		X	X
Condensate conditioner for oil-water separation			X
Automatic condensate drain			X

(1) For a description of the compressor systems, to page 14

(2) Sound pressure level at 1 m distance as per DIN 45635 T 13

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



DUO 703/2 X 75/10 KK



Duo 703/2 x 75/10 KK

Flexibility on top

- ▶ Enabling the second compressed air vessel doubles the pressure vessel volume, thus creating a greater compressed air reserve
- ▶ Helps to cover short-term peaks in compressed air requirements
- ▶ For, e.g., chisel, hammer or sandblasting work, the second tank can be isolated from the compressed air supply. This halves the vessel volume helping to build up the pressure more quickly.



K variant with refrigeration dryer

- With integrated automatic condensate drain
- Pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C

K version with fine filter

- Microfilter for separating condensate and dirt with particle sizes of up to 1 micron.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer



KK version with automatic condensate drain

- Mounted on the condensate drain of the compressed air tank
- This ensures condensate separation without unnecessary pressure loss



- Condensate conditioner for oil-water separation

You will also find important notes on condensate conditioning in the compressed air treatment chapter.

AIRPROFI BK Series - auxiliary compressors provide an attractively priced option for generating additional compressed air performance, ideal as peak load compressors

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low compressed air tank inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Ready to connect with all fittings, such as pressure switch for fully-automatic on/off switching operation, safety and non-return valves, condensate and air bleed valve for autonomous operation
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel



AIRPROFI BK 703/13/15



① High-performance grey cast iron motor, slow running
② With premium CONDOR pressure switch for fully-automated on/off operation

③ Interior and exterior of compressed air tank hot-dip galvanised; 15-year warranty against corrosion perforation of the tank
④ Flexible armoured hose line with heat protection avoids vibration fractures

Auxiliary compressors are used:

- ▶ If the existing air supply volume is insufficient
- ▶ To cope with peak requirements
- ▶ Wherever it is important to provide 100% reliability
- ▶ Where legacy equipment would require expensive repairs.

Model	AIRPROFI BK 703/13/15	AIRPROFI BK 753/13/15
Art. no.	2029751	2029851
Technical specifications		
Compressor system ⁽¹⁾	HOS	HOS
Intake capacity approx.	575 l/min	750 l/min
Fill capacity approx.	460 l/min	525 l/min
Maximum pressure ⁽³⁾	13(15) bar	13(15) bar
Vessel capacity	13 l	13 l
Cylinders/stages	2/2	2/2
Rotational speed	850 rpm	785 rpm
Sound pressure level L _p ⁽²⁾	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"
Motor Power 50 Hz	4 kW / 400 V	5.5 kW / 400 V
Dimensions (L x W x H)	685 x 745 x 675 mm	685 x 790 x 745 mm
Weight	55 kg	75 kg

(1) For a description of the compressor systems see ,to page 14 (3) Set to 13 bar switch-off pressure as factory standard; maximum pressure of 15 bar configurable via the pressure switch (2) Sound pressure level at a distance of 1 m as per DIN 45635 T 13

(3) We help you save - 13 bar instead of 15!

Our 15 bar compressors are preset to 13 bar switch-off pressure as a factory standard.

The reason for this is that 90 % of all users only require a max. operating pressure of 13 bar.

Any pressure generated above this value means additional energy consumption of about 8 % per bar.

But if you do require the maximum pressure of 15 bar, you can set it via the pressure switch at any time.