

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 compressed air tank hot-dip galvanised
- ▶ Fully automatic On/Off operation
- ▶ Completely ready for connection with all fittings



Duo 703/2x100/10 KK

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

Scope of delivery DUO:

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

Scope of delivery DUO K:

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

Scope of delivery DUO KK:

- › 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
- › Automatic condensate drain

Technical specifications	
Compressor system*	HOS
Highest flow rate	650 l/min
Fill capacity	520 l/min
Maximum pressure	10 bar
Tank capacity	2 x 100 l
Cylinders/stages	2/2
Speed	950 rpm
Motor output	4 kW**** / 400 V
Weight	235 kg
Dimensions (L x W x H)	1 200 x 900 x 1 250 mm
Sound pressure level L _{PA} ***	83 dB(A)
Air outlet on compressed air tank	3/4"
Air outlet on refrigeration dryer	1/2"

* For a description of the compressor systems, see page 18

*** Sound pressure level at 1 m distance as per DIN 45635 T 13

**** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW



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	
Compressor system*	HOS
Highest flow rate	850 l/min
Fill capacity	680 l/min
Maximum pressure	10 bar
Tank capacity	2 x 100 l
Cylinders/stages	2/2
Speed	1 240 rpm
Motor output	5.5 kW**** / 400 V
Weight	235 kg
Dimensions (L x W x H) in mm	1 200 x 900 x 1 140
Sound pressure level L _{PA} ***	83 dB(A)
Air outlet on compressed air tank	3/4"
Air outlet on refrigeration dryer	1/2"

Flexibility on top

- ▶ Enabling the second compressed air tank doubles the compressed air tank 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 tank volume helping to build up the pressure more quickly.

* For a description of the compressor systems, see page 18
 *** Sound pressure level at 1 m distance as per DIN 45635 T 13
 **** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW



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

- For separating condensate and solid contamination with particle sizes of up to 1 µm.
- 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 compressed air tank hot-dip galvanised
- ▶ 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



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	HOS	HOS
Compressor system*	HOS	HOS
Highest flow rate	650 l/min	960 l/min
Fill capacity 6-10 bar	520 l/min	750 l/min
Maximum pressure	10 bar	10 bar
Tank capacity	13 l	13 l
Cylinders/stages	2/2	2/2
Speed	950 rpm	1 060 rpm
Motor output	4 kW/ 400 V	5.5 kW****/400 V
Weight	55 kg	80 kg
Dimensions (L x W x H) in mm	685 x 745 x 675	685 x 790 x 745
Sound pressure level L _{PA} ***	83 dB(A)	83 dB(A)
Air outlet	3/4"	3/4"

* For a description of the compressor systems, see page 18

*** Sound pressure level at 1 m distance as per DIN 45635 T 13

**** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW



Recommended accessories

AIRCRAFT compressed air tank arrays as 2x or 4x arrays for up to 400 litres of addition air volume

See page 117 for more details