

SCREW-TYPE COMPRESSORS



ACS SPECIAL screw-type compressor – For a continuous air supply

Just as mobile and compact as piston compressors, but with the huge advantage of being able to output compressed air continuously without any breaks for cooling

K-Tronic electronic control for reliability and efficiency

- ▶ Adjustment of switch-on and switch-off pressure
- ▶ Direction of rotation check
- ▶ Oil temperature monitoring
- ▶ Maintenance interval display

Efficient and integrated design of the compressor unit

- ▶ Enhanced compressor with greater efficiency despite compact design
- ▶ Works with a low volume of oil and therefore reaches operating temperature quickly
- ▶ Convenience and high operational safety through integration of and short connections between all essential parts
- ▶ Maintenance-free direct drive
- ▶ Freewheel valve for load-free post-run after reaching the set pressure

Optimised oil separator system

- ▶ Effective oil gravity pre-separation as the oil sump is at the lowest point
- ▶ Oil separator cartridge and oil filter cartridge easily accessible for maintenance



- 1) Suction filter
- 2) Oil separator cartridge
- 3) Oil filter cartridge
- 4) Minimum pressure/non-return valve
- 5) Oil filler screw
- 6) Oil heat exchanger
- 7) K-Tronic 5 electronic control
- 8) Electric motor

Lightweight, compact and quiet

- ▶ For mobile deployment or use in cramped conditions
- ▶ High-efficiency, low-noise fan
- ▶ Smooth-action compressor with low noise level



- 1) Suction filter
- 2) Priming valve
- 3) Compressor stage
- 4) Oil separator cartridge
- 5) Oil filter cartridge
- 6) Oil drain screw
- 7) Minimum pressure/non-return valve
- 8) Oil filler screw

ACS SPECIAL screw-type compressor without tank – For a continuous air supply - lightweight, compact and quiet

Applications

- ▶ Small footprint, ideal e.g. for car washes, biogas or fire extinguishing systems, small trade operations and mobile use
- ▶ Also ideal as a backup compressor to supplement existing systems, e.g., to cover the basic compressed air load



Very quiet



Model		ACS SPECIAL 2.7-10	ACS SPECIAL 3.0-10
Art. no.		2066091	2066093
Technical specifications			
Control		Electronic	
Oil heat exchanger		Yes	
Compressed air maintenance units		Oil separator cartridge	
Effective delivery volume approx.	l/min	270	290
Maximum pressure	bar	10	
Drive motor protection type		IP54	P55
Rotational speed	rpm	2800	2890
Rating	kW	3	3.3
Supply voltage	V	230	400
Air outlet	"	1/4	
Sound pressure level L _p ⁽¹⁾	dB(A)	65	
Dimensions (L x W x H)	mm	550 x 390 x 425	
Weight	kg	41	

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

ACS screw-type compressor – For a continuous air supply and frequent load cycles

- ▶ Just as mobile and compact as piston compressors, but with the huge advantage of being able to output compressed air continuously without any breaks for cooling
- ▶ Can also be used outdoors due to oil temperature control

Electronic temperature control for an optimum oil temperature

- ▶ Optimum viscosity of the oil due to constant temperature, thus also suitable for intermittent operation with frequent load cycles
- ▶ Oil temperature control avoids condensation and minimises wear and tear
- ▶ Better energy efficiency compared to a piston compressor with similar output capacity
- ▶ Additional oil heat exchanger for cooling

K-Tronic electronic control for reliability and efficiency

- ▶ Adjustment of switch-on and switch-off pressure
- ▶ Direction of rotation check
- ▶ Oil temperature monitoring
- ▶ Maintenance interval display

Optimised oil separator system

- ▶ Effective oil gravity pre-separation as the oil sump as at the lowest point
- ▶ Oil separator cartridge and oil filter cartridge easily accessible for maintenance

Integrated design of the compressor unit

- ▶ Convenience and high operational safety through integration of and short connections between all essential parts of the compressor unit
- ▶ Maintenance-free direct drive

- ▶ Freewheel valve for load-free post-run after reaching the set pressure

Lightweight, compact and quiet

- ▶ For mobile deployment or use in cramped conditions
- ▶ High-efficiency, low-noise fan
- ▶ Smooth-action compressor with low noise level



- | | |
|--------------------------------------|------------------------------------|
| 1) Suction filter | 7) Oil filler screw |
| 2) Priming valve | 8) Thermostatic oil volume control |
| 3) Oil separator cartridge | 9) Anti-condensate system |
| 4) Oil filter cartridge | 10) K-Tronic 5 electronic control |
| 5) Compressor stage | 11) Oil heat exchanger |
| 6) Minimum pressure/non-return valve | 12) Electric motor |

ACS screw-type compressor without tank –

For a continuous air supply - lightweight, compact and quiet

Area of application

- ▶ Small footprint, ideal e.g. for car washes, biogas or fire extinguishing systems, small trade operations and mobile use
- ▶ Also ideal as a backup compressor to

supplement existing systems, e.g., to cover the basic compressed air load, but also peaks

Model		ACS 3.5-10
Art. no.		2066200
Technical specifications		
Control		Electronic
Oil heat exchanger		Yes
Oil temperature control		Yes
Compressed air maintenance units		Oil separator cartridge
Effective delivery volume approx.	l/min	360
Maximum pressure	bar	10
Air outlet	"	3/8
Rotational speed	rpm	2 880
Rating	kW	4.2
Supply voltage	V	400
Sound pressure level L _p ⁽¹⁾	dB(A)	69
Dimensions (L x W x H)	mm	515 x 425 x 411
Weight	kg	44



MINI 230 VAC

- ▶ Suitable for capacitor motors
- ▶ Fully-electronic, i.e., no wear parts such as relays
- ▶ Potted design provides protection against knocks, vibrations, splash water and moisture
- ▶ Operating voltage 230 Volt / 50, 60 Hz
- ▶ Suitable for installation by a qualified electrician



Accessories	Art. no.	€ plus VAT
Start-up current limiter MINI 230 VAC	2509900	32.90

GE start

Function:

- ▶ Limits the start-up current and prevents fuses tripping

Technical details:

- ▶ For machines up to 3 500 W
- ▶ Built-in check/function indicator
- ▶ **2 sockets:**
- ▶ One for start-up current limiting – the other works like a domestic socket for less powerful machines, such as drills or inspection lamps
- ▶ Operating voltage: 230 Volt / 50, 60 Hz
- ▶ Fully-electronic, i.e., no wear parts such as relays
- ▶ Suitable for capacitor motors



Accessories	Art. no.	€ plus VAT
Start-up current limiter with soft start GE start	2509901	195.00

Screw-type compressor ACS B&S – With petrol engine

Just as mobile and compact as piston compressors, but with the huge advantage of being able to output compressed air continuously without any breaks for cooling

Autonomous compressed air supply in work areas without a power source

Optimised oil separator system

- ▶ Effective oil gravity pre-separation as the oil sump as at the lowest point
- ▶ Oil separator cartridge and oil filter cartridge easily accessible for maintenance

Integrated design of the compressor unit

- ▶ Convenience and high operational safety through integration of and short connections between all essential parts of the compressor unit
- ▶ Belt driven screw-type compressor
- ▶ Freewheel valve for load-free post-run after reaching the set pressure



- 1) Suction filter
2) Oil separator cartridge
3) Oil filter cartridge
4) Compressor stage
5) Compressed air outlet
6) Minimum pressure/non-return valve
- 7) Oil filler screw
8) Thermostatic oil volume control
9) Oil heat exchanger
10) Dipstick for engine oil
11) Petrol engine
12) Exhaust

- 1) Fuel tank
2) Priming valve
3) Compressor stage
4) Compressed air outlet
- 5) Temperature sensor
6) Oil drain screw
7) Oil heat exchanger

Screw-type compressor ACS B&S 3.7 - 10 – With petrol engine – compact and mobile

Area of application

- ▶ Perfectly suited for gardening and landscape gardening, for mobile tyre and breakdown recovery services and in agriculture and forestry

Model		ACS B&S 3.7-10
Art. no.		2066140
Technical specifications		
Effective delivery volume approx.	l/min	380
Maximum pressure	bar	10
Air outlet	"	1/4
Rotational speed	rpm	3 600
Sound pressure level L _p (1)	dB(A)	88
Output	kW	3.7
Motor type		Petrol
Tank volume	l	3
Running time at 100 % load	h/d	12
Consumption	l/h	1.7
Control		Pushbutton
Oil heat exchanger		Yes
Compressed air maintenance units		Oil separator cartridge
Dimensions (L x W x H)	mm	580 x 600 x 460
Weight approx.	kg	45



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

ACS Compact Air

ACS Compact Air – Compact and mobile, ideal for assembly - or deployment on building sites

Specially equipped for the building site

- Frame design provides all-round protection for all sensitive components
- Puncture-resistant PU foam wheels and broad wheelbase for convenient and safe transport
- One outlet each for unfiltered, filtered and filtered and oiled compressed air
- Practical tool tray with anti-slip mat
- Protected hose and cable hooks on inside
- Use possible at temperatures between 5 and 45 °C
- Splash water protection as per IP 54

Premium equipment

- Compressed air output via single-handed safety couplings
- One outlet each for unfiltered, filtered and filtered and oiled compressed air
- Powder-coated compressed air tank with ten-year guarantee against corrosion perforation
- Flexible armoured hose with heat protection prevents vibration breaks

ZÜS approved compressor

- Approval by an authorised expert also possible prior to commissioning



ACS Special Compact Air 2.7-10-24



ACS Special Compact Air 3.0-10-24



① Pressure gauge for displaying the vessel pressure

② One-handed safety couplings

③ Pressure gauge for displaying the working pressure

④ Filter pressure regulator

- The working pressure is continuously variable via the standard filter pressure regulator – with simultaneous separation of dirt, oil and condensate

⑤ K-Tronic 5 electronic control

Model		ACS Special Compact Air 2.7-10-24	ACS Special Compact Air 3.0-10-24
Art. no.		2066591	2066593
Technical specifications			
Effective delivery volume	l/min.	270	290
Maximum pressure	bar	10	10
Vessel capacity	l	24	24
Degree of protection		IP 54	IP 54
Rotational speed	rpm	2 800	2 890
Sound pressure level L _p ⁽¹⁾	dB(A)	65	65
Air outlet		One-handed safety couplings	
Output	kW	2.7	3.0
Supply voltage	V/Hz	230 / 50 ⁽²⁾	400/50
Dimensions (L x W x H)	mm	630 x 650 x 980	630 x 650 x 980
Weight	kg	69	69

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 (2) For 230 V models C16 circuit breakers are required as the mains fuse
*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

ACS AIRCAR – Compact and mobile, ideal for assembly work - or deployment on building sites

Specially equipped for the building site

- Frame design provides all-round protection for all sensitive components
- Puncture-resistant PU foam wheels and broad wheelbase for convenient and safe transport
- One outlet each for unfiltered, filtered and filtered and oiled compressed air
- Practical tool tray with anti-slip mat
- Protected hose hooks on inside
- Use possible at temperatures between 5 and 45 °C
- Splash water protection as per IP 54

Premium equipment

- Compressed air output via single-handed safety couplings
- One outlet each for unfiltered, filtered and filtered and oiled compressed air
- Powder-coated compressed air tank with ten-year guarantee against corrosion perforation
- Flexible armoured hose with heat protection prevents vibration breaks

ZÜS approved compressor

- Approval by an authorised expert also possible prior to commissioning



High quality pressure vessel

- Powder coated compressed air vessels
- Ten-year guarantee against corrosion perforation



Hose hook

- Supplied with a protected hose hook on the inside
- The hose is not included in the scope of delivery

Protection function

- The frame provides space for storing tools as well as all-round protection for the various sensitive components
- The tubular frame and the top-mounted tray provide perfect protection against damage to fittings.

Handles

- Equipped with fold-out carrying handles for lifting during transportation

Filter pressure regulator

- The working pressure is infinitely variable via the standard filter pressure regulator with simultaneous separation of dirt and condensate

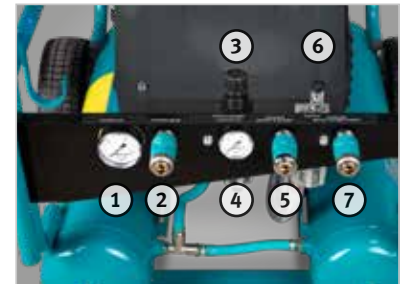
Oil mist lubricator

- The factory-standard oil mist lubricator ensures a sufficient supply of lubricant to tools

Base

- There are no fittings or switches in the base area that could suffer damage when tilting or transporting the compressor

ACS SPECIAL AIRCAR 3.0-10-22



Panel

Ergonomically positioned, clearly structured and self-explanatory

1. Pressure gauge for displaying the vessel pressure
2. Compressed air direct outlet with single-handed safety coupling from compressed air tank
3. Filter pressure regulator for adjusting the working pressure
4. Pressure gauge for displaying the configured working pressure
5. Compressed air outlet with single-handed safety coupling for filtered compressed air
6. Oil mist lubricator for a metred supply of lubricant to tools
7. Compressed air outlet with single-handed safety coupling for filtered and oiled compressed air

Model		ACS SPECIAL AIRCAR 2.7-10-22	ACS SPECIAL AIRCAR 3.0-10-22	ACS AIRCAR 3.5-10-22
Art. no.		2066391	2066393	2066320
Technical specifications				
Effective delivery volume	l/min	270	290	360
Maximum pressure	bar	10	10	10
Vessel capacity	l	22	22	22
Degree of protection		IP 54	IP 54	IP 54
Rotational speed	rpm	2 800	2 890	2 880
Sound pressure level L _p (1)	dB(A)	65	69	69
Air outlet		One-handed safety couplings		
Output	kW	3.0	3.0	4.0
Supply voltage	V/Hz	230 /50(2)	400/50	400/50
Dimensions (L x W x H)	mm	780 x 730 x 730	780 x 730 x 730	1 020 x 700 x 720
Weight	kg	81	81	88

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 (2) For 230 V models C16 circuit breakers are required as the mains fuse
*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

ACS mobile – For a continuous air supply – perfect for mobile deployment

Premium equipment

- Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel

- Mobile steering base with parking brakes and large, puncture-resistant PU foam wheels for comfortable transport without lifting
- Flexible armoured hose with heat protection prevents vibration breaks

ZÜS approved compressor

- Approval by an authorised expert also possible prior to commissioning



ACS Special 2.7-10-100



ACS 3.5-10-100

- With maintenance block and safety couplings



ACS Special 3.0-10-90 V



ACS 3.5-10-90 V

- Fully automatic On/Off operation
- Puncture-resistant PU foam wheels and a sturdy steering chassis with parking brake enable easy transport, as the compressor does not need to be lifted during transport.
- Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel

Maintenance block:

- High-quality CONDOR pressure switch
- Two single-handed safety couplings
- Filter pressure regulator
- Mist lubricator
- Two compressed air take-off points
- Two large pressure gauges for displaying the tank and working pressure
- Equipped with all safety devices
- Complete and ready to connect

Designation	Art. no.
5 litres of oil "High Performance Oil ISO 46"	2500019

Equipment level	ACS SPECIAL	ACS 3.5-10
Electronic control	X	X
Pushbutton		
Oil heat exchanger	X	X
Oil temperature control		X
Oil separator cartridge	X	X

Model		ACS Special 2.7-10-100	ACS Special 2.7-10-90 V	ACS Special 3.0-10-100	ACS Special 3.0-10-90 V	ACS 3.5-10-100	ACS 3.5-10-90 V
Art. no.		2066191	2066192	2066193	2066194	2066120	2066125

Technical specifications							
Effective delivery volume	l/min	270	270	290	360	360	360
Maximum pressure	bar	10	10	10	10	10	11
Vessel capacity	l	100	90	100	90	100	90
Degree of protection		IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Rotational speed	rpm	2800	2800	2890	2880	2880	2880
Sound pressure level Lp ⁽¹⁾	dB(A)	65	65	65	69	69	69
Air outlet		1/2" ball valve	1/2" ball valve	1/2" ball valve	1/2" ball valve	1/2" ball valve	1/2" ball valve
Output	kW	2.7	2.7	3.0	3.0	4.0	4.0
Supply voltage	V/Hz	230 /50 ⁽²⁾	230 /50 ⁽²⁾	400/50	400/50	400/50	400/50
Dimensions (L x W x H)	mm	1 360 x 520 x 960	600x600x1 070	1 360 x 520 x 960	600x600x1 070	1 400x450x1 000	650x620x1 228
Weight	kg	86	93	86	93	97	98

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 (2) For 230 V models C16 circuit breakers are required as the mains fuse

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

ACS screw-type compressor with 200 litre tank – For a continuous air supply and frequent load cycles - stationary with horizontal tank for high compressed air supply requirements

Premium equipment

- ▶ Interior and exterior of compressed air tank hot galvanised with 15-year guarantee against corrosion perforation
- ▶ Compressed air tank as per AD 2000
- ▶ Splash water protection as per IP 54
- ▶ Flexible armoured hoses with heat protection avoid vibration fractures
- ▶ With phase inverter on connector as factory standard
- ▶ Completely ready for connection with all fittings
- ▶ Also available with refrigeration dryer and pre-filter



ACS Special 2.7-10-200



ACS Special 3.0-10-200 K



ACS K

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



ACS K

- Fine filter as prefilter upstream of the refrigeration dryer for separating condensate and solid contamination with a particle size of up to 1 µm (compressed air quality as per ISO 8573-1)

Equipment level	ACS SPECIAL	ACS 3.5-10	ACS SPECIAL K	ACS 3.5-10K
Anti-vibration elements	X	X	X	X
Refrigeration dryer			X	X
Fine filter			X	X
Electronic control	X	X	X	X
Oil heat exchanger	X	X	X	X
Oil temperature control		X		X
Oil separator cartridge	X	X	X	X

Model		ACS Special 2.7-10-200	ACS Special 2.7-10-200 K	ACS Special 3.0-10-200	ACS Special 3.0-10-200 K	ACS 3.5-10-200	ACS 3.5-10-200 K
Art. no.		2066291	2066292	2066293	2066294	2066220	2066221

Technical specifications							
Effective delivery volume	l/min	270	270	290	290	360	360
Maximum pressure	bar	10	10	10	10	10	10
Vessel capacity	l	200	200	200	200	200	200
Degree of protection		IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Rotational speed	rpm	2 800	2 800	2 890	2 890	2 880	2 880
Sound pressure level Lp (1)	dB(A)	65	65	65	65	69	69
Air outlet		3/4" ball valve	3/4" ball valve	3/4" ball valve	3/4" ball valve	3/4" ball valve	3/4" ball valve
Output	kW	2.7	2.7	3	3	4	4
Supply voltage	V/Hz	230 /50 (2)	230 /50 (2)	400/50	400/50	400/50	400/50
Dimensions (L x W x H)	mm	1 200 x 520 x 1 070	1 200 x 680 x 1 080	1 200 x 530 x 1 050	1 200 x 680 x 1 080	1 180 x 680 x 1 090	1 180 x 680 x 1 090
Weight	kg	122	141	122	141	122	146

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 (2) For 230 V models C16 circuit breakers are required as the mains fuse
*Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

ACS DUO screw-type compressor – For a continuous air supply and frequent load cycles - compressed air unit for flexible deployment, transportable

Flexibility on top thanks to two compressed air tanks

- ▶ Two 100-litre compressed air tanks pre-assembled on a safety pallet
- ▶ Double the available air supply by enabling the second compressed air vessel – this helps to cover short-term peaks in compressed air requirements
- ▶ Halve the tank volume by disconnecting the second compressed air tank – this enables rapid pressure build-up, e.g., for chiseling or sandblasting work

Premium equipment

- ▶ Interior and exterior of compressed air tanks hot galvanised with 15-year guarantee against corrosion perforation
- ▶ Splash water protection as per IP 54
- ▶ Flexible armoured hoses with heat protection avoid vibration fractures
- ▶ With phase inverter on connector as factory standard
- ▶ Completely ready for connection with all fittings
- ▶ Additional equipment available for compressed air treatment and discharge

ZÜS approved compressor

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



ACS DUO 3.5-10 2 x 100



Model		ACS DUO 3.5-10 2 x 100	ACS DUO 3.5-10 2 x 100 K	ACS DUO 3.5-10 2 x 100 KK
Art. no.		2066420	2066421	2066422
Technical specifications				
Effective delivery volume	l/min	360	360	360
Maximum pressure	bar	10	10	10
Vessel capacity	l	2 x 100 (AD 2000)	2 x 100 (AD 2000)	2 x 100 (AD 2000)
Degree of protection		IP 54	IP 54	IP 54
Sound pressure level L _P ⁽¹⁾	dB(A)	69	69	69
Output	kW	4	4	4
Supply voltage	V	400	400	400
Dimensions (L x W x H)	mm	1 200 x 900 x 1 100	1 200 x 900 x 1 120	1 200 x 900 x 1 250
Weight	kg	176	200	201

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 *Warranty terms on www.stuermer-maschinen.de or on request from Stürmer Maschinen GmbH



ACS DUO 3.5-10 2 x 100 K



ACS DUO 3.5-10 2 x 100 KK



DUO equipment

1. Anti-vibration elements
2. Safety pallet



Equipment DUO K, additionally features:

1. **Refrigeration dryer** with integrated automatic condensate drain, pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C
2. **Fine filter** as prefilter upstream of the refrigeration dryer for separating condensate and solid contamination with a particle size of up to 1 µm (compressed air quality as per ISO 8573-1)



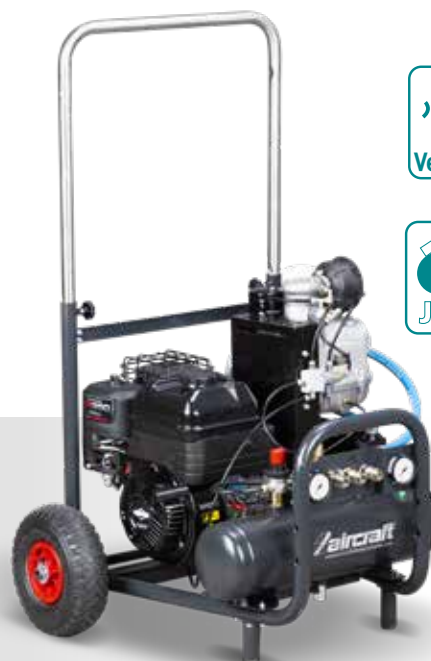
Equipment DUO K, additionally features:

1. **Condensate conditioner** for oil-water separation
2. **Automatic condensate drain** installed on the pressure vessel, condensate drainage without unnecessary pressure loss

Equipment level	DUO	DUO K	DUO KK
Start-up relief	X	X	X
Anti-vibration elements	X	X	X
Safety pallet	X	X	X
Refrigeration dryer		X	X
Fine filter		X	X
Condensate conditioner for oil-water separation			X
Automatic condensate drain			X

ACS B&S – With petrol engine – for mobile deployment

- ▶ Suitable for continuous operations
- ▶ perfectly suited for gardening and landscape gardening, for mobile tyre and breakdown recovery services and in agriculture and forestry
- ▶ Directly driven screw-type compressor
- ▶ Complete and ready to connect
- ▶ Pressure regulator for continuously variable setting of the desired working pressure
- ▶ One pressure gauge each for displaying the tank and working pressure



ACS B&S Trolley 3.7-10-7:

Specially designed for use outdoors

- ▶ Perfectly suited for gardening and landscape gardening, for mobile tyre and breakdown recovery services and in agriculture and forestry
- ▶ Puncture-resistant PU foam wheels and broad wheelbase for convenient and safe transport

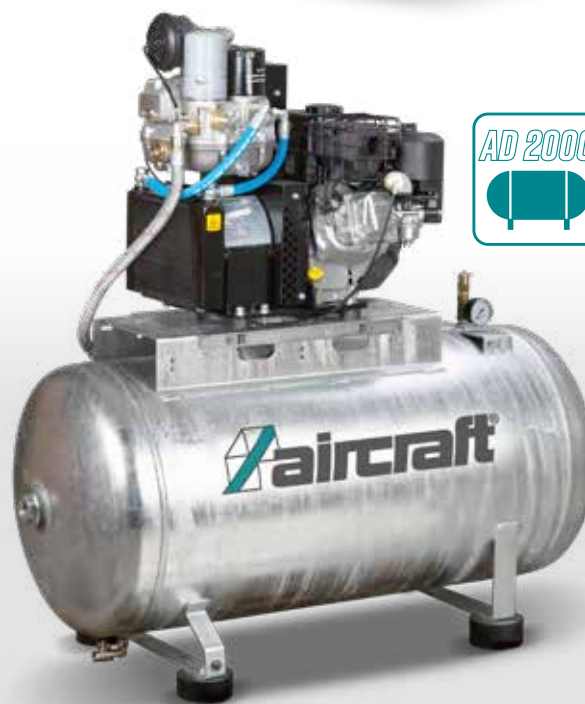
Premium equipment

- ▶ Compressed air outlet via three single-handed quick-action couplings
- ▶ Powder-coated compressed air tank with ten-year guarantee against corrosion perforation
- ▶ Flexible compressed air hoses prevent vibration fractures



ACS B&S 3.7-10-100: Premium equipment

- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Mobile steering base with parking brakes and large, puncture-resistant PU foam wheels for comfortable transport without lifting
- ▶ Flexible armoured hose with heat protection prevents vibration breaks



ACS B&S with 200-litre tank: Premium equipment

- ▶ Interior and exterior of compressed air tank hot galvanised with 15-year guarantee against corrosion perforation
- ▶ Compressed air tank as per AD 2000
- ▶ Splash water protection as per IP 54
- ▶ Flexible armoured hoses with heat protection avoid vibration fractures
- ▶ Completely ready for connection with all fittings

Model		ACS B&S Trolley 3.7-10-7	ACS B&S 3.7-10-100	ACS B&S 3.7-10-200
Art. no.		2066605	2066610	2066620
Technical specifications				
Effective delivery volume	l/min.	380	380	380
Maximum pressure	bar	10	10	10
Vessel capacity	l	7	100	200 (AD 2000)
Rotational speed	rpm	3 600	3 600	3 600
Sound pressure level L _p (1)	dB(A)	88	88	88
Output	kW	3.7	3.7	3.7
Motor type		Petrol	Petrol	Petrol
Tank volume	l	3	3	3
Dimensions (L x W x H)	mm	670 x 750 x 730	1 360 x 530 x 1 250	1 200 x 530 x 1 250
Weight	kg	72	100	126

Maintenance kits

Service

Maintenance intervals for ACS ECO 2.7 - 10

	Maintenance after 2 000 hours (or every year)	Maintenance after 4 000 hours (or every year)
	· Air filter · Oil filter · Separator filter · 1 litre of oil	as per Maintenance after 2 000 h and additionally featuring: · Thermostat valve °C · Minimum pressure valve · Intake regulator
ACS ECO 2.7-10	0206N11L0734	0206N11L0736

Designation	Art. no.
2 000 h maintenance kit	0206N11L0734

Designation	Art. no.
4 000 h maintenance kit	0206N11L0736

Service

Maintenance intervals for ACS Special 2.7 - 10

	Maintenance after 2 000 hours (or every year)	Maintenance after 4 000 hours (or every year)
	· Air filter · Oil filter · Separator filter · 1 litre of oil	as per Maintenance after 2 000 h and additionally featuring: · Thermostat valve °C · Minimum pressure valve · Intake regulator
ACS Special 2.7-10	0206N11L0734	0206N11L0736

Designation	Art. no.
2 000 h maintenance kit	0206N11L0734

Designation	Art. no.
4 000 h maintenance kit	0206N11L0736

Service

Maintenance intervals for ACS Special 3.0 - 10

	Maintenance after 2 000 hours (or every year)	Maintenance after 4 000 hours (or every year)
	· Air filter · Oil filter · Separator filter · 1 litre of oil	as per Maintenance after 2 000 h and additionally featuring: · Thermostat valve 55 °C · Minimum pressure valve · Intake regulator
ACS Special 3.0-10	0206N11L0734	0206N11L0736

Designation	Art. no.
2 000 h maintenance kit	0206N11L0734

Designation	Art. no.
4 000 h maintenance kit	0206N11L0736

Service

Maintenance intervals for ACS 2.7 and ACS 3.5

	Maintenance after 2 000 hours (or every year)	Maintenance after 4 000 hours (or every year)
	· Air filter · Oil filter · Separator filter · 1 litre of oil	as per Maintenance after 2 000 h and additionally featuring: · Thermostat valve 71 °C · Minimum pressure valve · Intake regulator
ACS 2.7 / ACS 3.5	0206N11L0735	0206N11L0735

Designation	Art. no.
2 000 h maintenance kit	0206N11L0735

Designation	Art. no.
4 000 h maintenance kit	0206N11L0735

Service

Maintenance interval for ACS B&S 3.7-10

	Maintenance after 2 000 hours (or every year)	Maintenance after 4 000 hours (or every year)
	· Air filter · Oil filter · Separator filter · 1 litre of oil	as per Maintenance after 2 000 h and additionally featuring: · Thermostat valve 71 °C · Minimum pressure valve · Intake regulator
ACS B&S 3.7-10	0206N11L0735	0206N11L0735

Designation	Art. no.
2 000 h maintenance kit	0206N11L0735

Designation	Art. no.
4 000 h maintenance kit	0206N11L0735

Screw-type compressor maintenance

Art. no.: MAINTSCREW
295.00 € plus VAT
Contact: +49 (0951) 96 555-501
kompressoren@stuermer-maschinen.de



Designation	Art. no.
5 litres of oil "High Performance Oil ISO 46"	2500019



A-MICRO – A-PLUS

Our TARGET: efficiency, energy saving, modularity

- ▶ The new belt-driven oil injected A-MICRO- und A-PLUS screw-type compressors have been designed to minimize energy costs, without sacrificing performances.
- The modularity and flexibility of these

products provide multiple solutions suitable for different user's requirements: with or without tank, with or without dryer, in fixed or variable speed version.

Why choose an AIRCRAFT screw-type compressor?

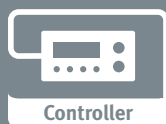
- ▶ Lower operating costs
- ▶ Modern design
- ▶ Compact
- ▶ Robust
- ▶ Reliable
- ▶ Low speed
- ▶ Extremely quiet
- ▶ Efficient
- ▶ Energy saving



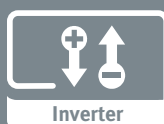
State-of-the-art precision manufacturing of the compressors for uncompromising quality products



Air-end



Controller

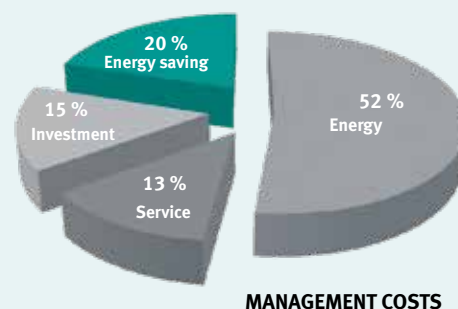
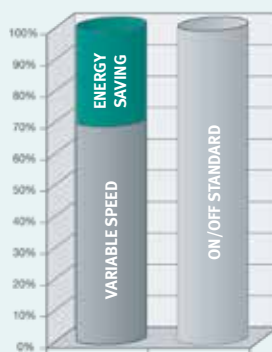


Inverter

Energy savings thanks to frequency controlled air compressors

SpeedTronic
control

- ▶ Today, the reduction of the energy consumption has become a global challenge in terms of environmental impact.
- ▶ Reducing power consumption and protecting our valuable energy resources represents one of the greatest global environmental challenges of our times.
- ▶ The use of a frequency inverter able to dynamically adjust the voltage/frequency/current values of the motor, helps to eliminate unnecessary power losses by constantly adjusting the amount of compressed air generated to match the actual air requirement, offering many proven advantages to the user:
- ▶ Continuous control of the motor speed and compressed air generation to precisely match the air requirement.
- ▶ The air output is constantly adjusted between 40 % and 100 % of the compressor full capacity.
- ▶ Constant and accurate air pressure control selectable at any value between 6 and 10 bar (13 bar on demand).
- ▶ Energy consumption is proportional to the delivered compressed air.
- ▶ The A-PLUS series, with outputs of 22, 37, 55 and 75 kW, is also available in speed controlled version, providing high performance combined with energy saving solutions. The graph below shows the significant energy saving using variable speed compressors in a typical installation.



Overview of the series



▶ Floor mounted



▶ Includes pressure vessel



▶ Includes pressure vessel and dryer



▶ Variable speed

EasyTRONIC control

The smart control and monitoring system

EasyTRONIC MICRO II (ETM II)

Installed on models from 2.2 to 4 kW.

- ▶ Four maintenance timers (air cartridge, oil, oil filter, oil separator).
- ▶ Automatic re-start after a power failure.
- ▶ Cooling fan temperature configurable.
- ▶ Compressor remote start settable.
- ▶ Integrated phase sequence relay.



Controller with multi-function backlight display, the menu is alphanumeric type. In the main screen are displayed::

- ▶ Working pressure (no load/load);
- ▶ Oil temperature
- ▶ Total working hours;
- ▶ On-load working hours;
- ▶ Compressor status LED (stand-by, offload, load);
- ▶ Hours remaining before maintenance

EasyTRONIC IV (ET IV)

Installed on models from 5.5 to 75 kW.

- ▶ Remote monitoring (on request) GSM/GPRS/Ethernet/WiFi module (for on-line compressor status, remote support, connection with PC, smartphone and tablet, connection between neighbouring compressors).

Master/slave function

(for non-frequency-controlled machines)

- ▶ It is possible to connect up to four compressors and distribute the workload to balance the operating hours. The target pressures of the various air compressors are dynamically changed.
- ▶ Precondition: All devices have FININUAIR controllers!

Controller with multi-function backlight display, the menu is alphanumeric type. In the main screen are displayed::

- ▶ Working pressure (no load/load);
- ▶ Oil temperature
- ▶ Compressor status (standby, no load, load);
- ▶ Fan status (off/on);
- ▶ Date and time
- ▶ Hours remaining before maintenance
- ▶ Inverter use percentage



Noise level overview



Master controller

EASY X4 sequence controller

Many compressed air stations include several compressors: EasyX4 is a weekly programmable controller, capable of configuring up to four compressors, based on the amount of air actually required.

EasyX4 is the easiest solution for compressor workflow sequencing and monitoring complex compressor systems with up to four fixed- or variable-speed compressors.
The programming is intuitive. You just need to set

the four pressure ranges (assuming that four is the number of connected units) and then define at what time the entire compressor station will be switched on and off. You need to define the pressure at which each compressor will operate.

- Three programming levels:
- ▶ **MANUAL:** compressors are fixed to a given operational pressure range;

▶ **AUTOMATIC:** with pressure range swapping after a programmable time interval;

▶ **GROUP PROGRAMMING:** where compressors can be switched within groups.



The menus have the classical structure of pull-down menus. The title is at the top, followed by a list of parameters or the available subfolders. The parameters are distinguished from the subfolders by a numerical value displayed next to them. You can use the and buttons to scroll the functions or parameters until the desired entry is found. The arrows top right show whether more entries exist above or below the displayed entry. After selecting the desired parameter or desired function, you can press the button to access the corresponding menu or, in

the case of a parameters, make a change. If you are modifying a parameter, the value displayed next to it starts to flash. It can be changed using the and keys. To confirm a selected value, press the button. Pressing the button lets you go back to the previous menu. The parameter value is not confirmed.

Compressor status	Meaning
x	Compressor disabled in current program
o	Compressor in standby
•	Compressor pressurised
• flashing	Compressor idling
A	Compressor with alarm status, not responding to start command



Model	EASY X4
Art. no.	2506018

Technical specifications	
Supply voltage	230 V AC ±15 %
Frequency	50/60 Hz
Max. consumption at 24 V AC	200 mA
Relay outputs	4 NC
Max. current relay	8 A res.
Digital inputs	4 + shared connection
Analogue inputs 4-20 mA	1 (12 bit)
Battery	CR2032

Functional description

Once the EASY X4 sequence controller has power, the system boots and implements the operating conditions that existed when it was switched off: "Standby" or "Active".

In "Standby" mode, the compressors are not released for operation; it is only in this mode that you can press the  button to access the menus.

In "active" operating mode, however, the EASY X4 sequence controller switches the compressors to reflect the modes and times defined by the active program and based on the pressure that exists in the system and measured by the pressure transducer.

In "Standby" mode, you can press the Start (I) button to switch the EASY X4 sequence controller to system initialisation status.

If the system pressure drops below the value entered as the [MinPressure] parameter, the compressor defined by the value [Sel. Compr:] is enabled for a time defined by the [Fill time:] parameter (this parameter can be accessed via the [Settings.] menu; cf. section "Setting the functions"). The system can thus be filled when empty (a typical example is switching on every morning), where a single compressor is used to avoid switching on all the machine connected to the EASY X4 sequence controller.

After the fill time, the EASY X4 sequence controller performs the programs entered by the user depending on the pressure and the programs active at all times and every day.

Full details of the machine status are shown on the main screen.

The possible states are: Standby, pressurised, empty, disabled and alarm state. See the "Main screen" section for a description of the symbols that indicate these states.

A malfunction occurs when the feedback on the status of the remote line switch of the active compressor (for more information on the type of message, see the "Installation" section) does not reach the EASY X4 sequence controller within the time set by the matching [Time Feedb:] parameter in the [Settings.] menu.

To prevent several compressors starting up at the same time, you can use the [Start delay:] parameter to enable starting of two successive compressors with an intermediate delay. This helps to avoid electrical overload. The EASY X4 sequence controller can be switched to "Standby" status at any time by pressing the Stop (O) button. All compressors now switch to idle mode, and stop after the idle time set on the individual machines or the local controller. See the compressor manufacturer's documentation for reading or changing this value.

If the **controller does not have a power supply**, the control contacts on the compressor remain closed, that is, the compressors are released for operation. This is an emergency function that allows the compressors to be operated even if they are not serviced by the EASY X4 sequence controller for external reasons (interrupted power supply, etc.). The compressors are thus operated directly in line with the pressure setpoints defined by the individual controllers or pressure monitors. See the compressor documentation for reading or changing these values.

The operating pressure ranges that are set directly on the individual controllers or pressure monitors must be higher than the pressure ranges set on the EASY X4 sequence controller.

This rules out interaction with the operating logic of the EASY X4 sequence controller.

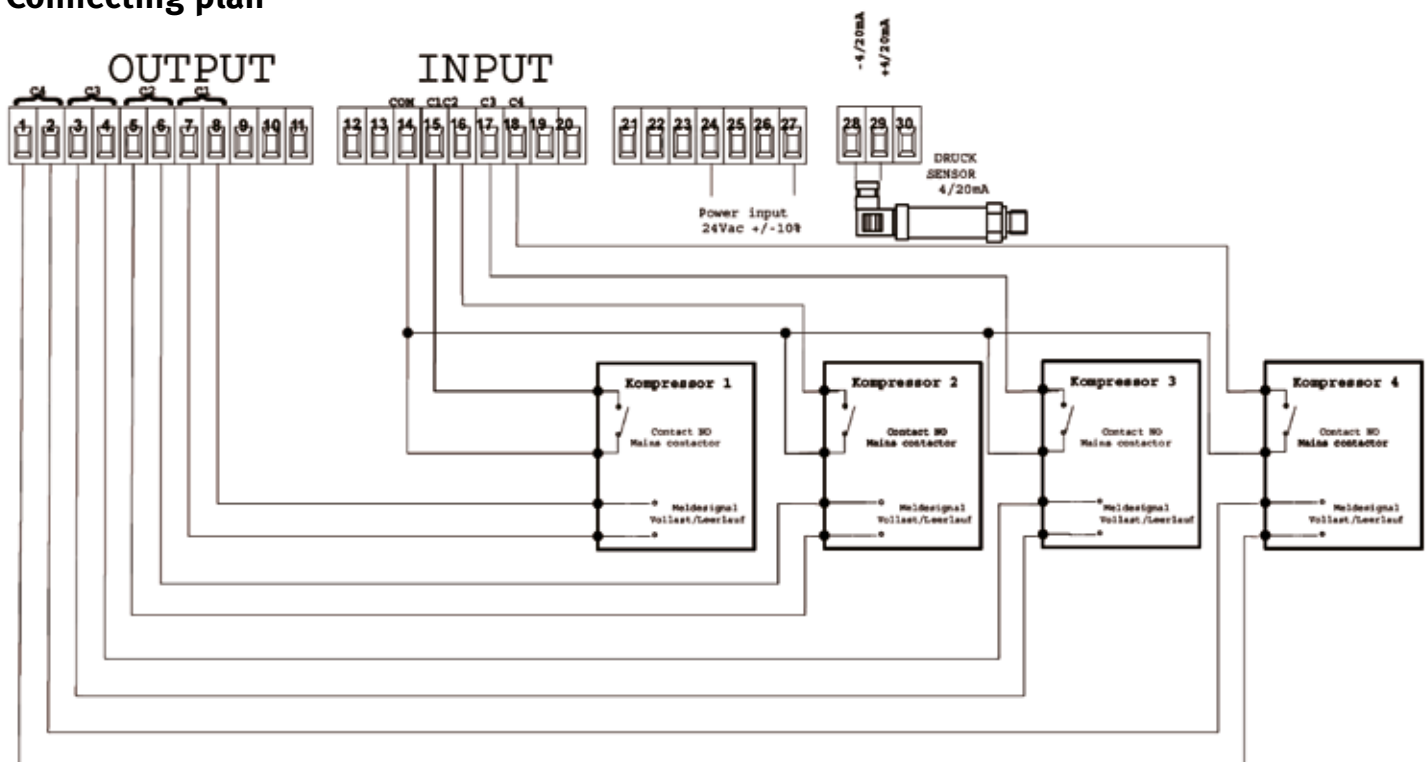
Additionally, "emergency operation" of the compressor is ensured in case of a malfunction of the EASY X4 sequence controller.

For example, if pressure ranges between 8.8 bar and 9.7 bar are set at the EASY X4 sequence controller, then the controllers or pressure monitors on the compressors must be set to below the minimum pressure value at 8.7 bar and above the maximum value at 9.8 bar.

In all cases, the pressure loss between the EASY X4 sequence controller converter installation position and the pressure measured upstream of the compressor converter must be taken into consideration.

Example: If a pressure loss of 0.4 bar is measured between the EASY X4 sequence controller converter installation position and the compressors with the system running (without a compressed air flow, the pressure loss will be zero), the compressors would need to operate at a pressure that is 0.4 bar higher taking this example into consideration. For this reason, the maximum operating pressure of the air compressors would need to be set to a value that exceeds 10.2 bar ($9.8 + 0.4$). This pressure might even exceed the maximum operating pressure of the air compressor themselves.

Connecting plan



A-CUBE 4 – 7.5 kW: Ultra-compact design

New

- ▶ The A-CUBE model range is available in a variety of configurations that precisely meet the customer's requirements:
- ▶ Starting with the standard floor mounted version, the range can also be selected with a 270 or 500 litre air vessel, with or without refrigeration dryer, also available with inverter drive.
- ▶ The whole machine is extremely compact with balanced dimensions.
- ▶ "Z" model range with galvanised tank



A-CUBE 4.0-10

4 kW

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Air-end:

FS 26TFC



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed Speed



A-CUBE 4.0-10-270 K

5.5 kW

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Air-end:

FS 26TFC



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed Speed



A-CUBE 5.5-10-270 Z K

7.5 kW

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Air-end:

FS 26TFC



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed Speed

New

 270 l and 500 l
 tanks as per AD 2000

A-CUBE 7.5-10-500 K

- ▶ Extremely quiet
- ▶ Ease of access for routine maintenance
- ▶ Low maintenance costs
- ▶ Ease of installation and use.


Maintenance-friendly and efficient

- ▶ Maintenance parts are easy to replace; this extends the maintenance intervals and reduces the maintenance costs
- ▶ Oil separator tank for best possible pre-separation and improved oil separation filter efficiency


Premium and compact

- ▶ Compact compressor-motor unit for small outside dimensions of the compressor


Regular maintenance A-PLUS series 4 – 7.5 kW

	Commodity group	Maintenance every 2 000 hours (annually)	Maintenance every 4 000 hours (annually)	Maintenance every 8 000 hours
		Mineral oil	Synthetic oils	Mineral oil or synthetic oils
		KIT A		KIT B
		· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separation cartridge · 1 Oil check valve		· Kit A · 1 Solenoid valve
A-CUBE 4.0-10	294	0260KTB24E		0260KTE1HE
A-CUBE 5.5-10	294			
A-CUBE SD 1010 until 25/02/17	294			
A-CUBE 7.5-10 from 26/02/17	294	0260KTB84E		0260KTE1KE

Designation	Art. no.	Designation	Art. no.
Maintenance kit A A-CUBE 510,710,713,1010,1013	0260KTB24E	Maintenance kit A A-CUBE 1010/13	0260KTB84E
Maintenance kit B A-CUBE 510,710,713,1010,1013	0260KTE1HE	Maintenance kit B A-CUBE 1010/13	0260KTE1KE


Individual components A-CUBE series 4 - 7.5 kW

	Commodity group	Maintenance every 4 000 hours	Maintenance every 8 000 hours	Maintenance every 20 000 hours	
		· Intake regulator kit	· Minimum pressure valve kit	· Air-end kit	· Air-end
A-CUBE 4.0-10	294	0260249050	0347111000	0230300200	05303000210
A-CUBE 5.5-10	294				05303000705
A-CUBE 7.5-10	294				05303000210

Designation	Art. no.	Designation	Art. no.
Intake regulator kit	0260249050	Air-end FS26 TFC	05303000210
Minimum pressure valve kit	0347111000	Air-end FS26 TFC 20	05303000705
Air-end kit	0230300200		

A-CUBE 4 – 7.5 kW: Ultra-compact design

New

A-CUBE screw-type compressor – Compact models with reliable, energy-saving direct transmission for continuous operation

Coaxial screw-type air-end with maintenance free drive and maximum energy efficiency in all pressure ranges. The low air-end speed and the low load on the bearings of the patented direct drive allow for a very long service life.

EasyTRONIC Micro II electronic control for reliability and efficiency

- ▶ Prevents motor overload, reduces wear and prolongs service life
- ▶ Operating hours, temperature and motor overload monitoring
- ▶ Motor direction of rotation checking via phase sequence relay, avoids potential damage during commissioning or after a change of location

Optimised cooling system

- ▶ Low-noise radial ventilator guarantees optimum operating temperatures even under unfavourable operating conditions
- ▶ Thermostatically and electronically controlled fans and generously dimensioned heat exchangers result in a longer service life and lower fluctuations in oil temperature

User-friendly in all details

- ▶ Low-noise, suitable for deployment in any work environment
- ▶ Small footprint makes transport and deployment easy
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all components that require maintenance

- ▶ All air and oil lines are made of heat-resistant rubber
- ▶ Equipped with a star delta circuitry as factory standard
- ▶ Completely ready for connection with all fittings

Integrated refrigeration dryer for ES models

- ▶ Greater reliability of the compressed air system without expensive downtime and production delays without compromising on product quality
- ▶ Completely integrated in the housing
- ▶ Ready for operation without installation overhead
- ▶ Features control panel and time-controlled condensate drain



Low noise level

- ▶ CUBE compressors are extremely quiet:
- ▶ The use of very efficient soundproofing materials means that they are suitable for installation in any work environment.



A-CUBE 4.0-10



A-CUBE 4.0-10-270 ES
On AD 2000 tank



A-CUBE 5.5-10-270 Z ES

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Con- nection G	Vessel capacity l	weight kg	Art. no.	
A-CUBE model series - Floor installation with electronic control, direct coupling and oil separator cartridge										
A-CUBE 4.0-10	10	460	4	63	650 x 580 x 800	1/2"	–	108	2098400	
A-CUBE 5.5-10	10	705	5.5	68	650 x 580 x 800	1/2"	–	101	2098500	
BAFA A-CUBE 7.5-10	10	1050	7.5	67	650 x 580 x 800	1/2"	–	115	2098600	
A-CUBE ES model series - Floor installation with electronic control, direct coupling and oil separator cartridge										
BAFA A-CUBE 7.5-10 ES	10	1050	7.5	67	650 x 580 x 800	1/2"	–	113	2098605	
A-CUBE model series - On powder-coated tank (AD 2000) with electronic control, direct coupling and oil separator cartridge										
A-CUBE 4.0-10-270	10	460	4	63	1 200 x 600 x 1 500	1/2"	270	185	2098410	
A-CUBE 5.5-10-270	10	705	5.5	68	1 200 x 600 x 1 500	1/2"	270	187	2098510	
BAFA A-CUBE 7.5-10-270	10	1050	7.5	67	1 200 x 600 x 1 500	1/2"	270	197	2098610	
BAFA A-CUBE 7.5-10-500	10	1050	7.5	67	2 000 x 600 x 1 500	1/2"	500	229	2098620	

New



EasyTRONIC Micro II electronic control

- Displays the working pressure, oil temperature, total operating hours and operating hours under load, current status, remaining hours until maintenance
- Separate maintenance monitoring for air filter, oil, oil filter and oil separator
- Automatic restart under safe conditions after a mains failure
- Temperature control
- Integration direction of rotation check



High-performance screw-type air ends FS 26TFC

- Developed, manufactured and tested in Italy
- Special design of the screw profile for high performance, low temperatures and reduced energy consumption

BAFA
FEDERAL OFFICE OF ECONOMICS
AND EXPORT CONTROL
** Applies to Germany only

**Many models are
BAFA eligible!****
Experience our capability and
request individual advice!
Kontakt: +49 (09 51) 96 555-630
kompressoren@stuermer-maschinen.de



A-CUBE 7.5-10-500 ES
on AD 2000 tank



Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Con- nection G	Vessel capacity l	weight kg	Art. no.	
A-CUBE Z model series - On galvanised tank (AD 2000) with electronic control, direct coupling and oil separator cartridge										
A-CUBE 4.0-10-270 Z	10	460	4	63	1 200 x 600 x 1 500	1/2"	270	185	2098412	
A-CUBE 5.5-10-270 Z	10	705	5.5	68	1 200 x 600 x 1 500	1/2"	270	185	2098512	
A-CUBE 7.5-10-270 Z	10	1050	7.5	67	1 200 x 600 x 1 500	1/2"	270	197	2098612	
A-CUBE Z K model series - On galvanised tank (AD 2000) with electronic control, direct coupling and oil separator cartridge and refrigeration dryer										
A-CUBE 5.5-10-270 Z K	10	705	5.5	68	1 200 x 600 x 1 500	1/2"	270	206	2098517	
A-CUBE 7.5-10-270 Z K	10	1050	7.5	67	1 200 x 600 x 1 500	1/2"	270	211	2098617	
A-CUBE K model series - On powder-coated tank (AD 2000) with electronic control, direct coupling and oil separator cartridge										
A-CUBE 4.0-10-270 K	10	460	4	63	1 200 x 600 x 1 500	1/2"	270	209	2098415	
A-CUBE 5.5-10-270 K	10	705	5.5	68	1 200 x 600 x 1 500	1/2"	270	211	2098515	
A-CUBE 7.5-10-270 K	10	1050	7.5	67	1 200 x 600 x 1 500	1/2"	270	197	2098615	
A-CUBE 7.5-10-500 K	10	1050	7.5	67	2 000 x 600 x 1 500	1/2"	500	229	2098625	

Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	060000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	060000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	060000022
Dryer kit for A-CUBE (retrofitting kit)	280	0048447000
Overflow valve (recommended in screw-type compressor operations without pressure vessel)		2099910



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

A-MICRO SE 2.2 – 4.0: simple, silent and economical.



- ▶ The A-MICRO range is available in two versions:
- ▶ **A-MICRO "SE" 2.2 - 4 kW:** Electromechanical on/off switch with motor protection and sense of direction check. The pressure gauge and operating hour counter are included in the control panel. Easy to use, no idle running means considerable energy saving.
- ▶ **A-MICRO 4 - 5.5 kW:** star-delta circuitry, including ETM II electronic controller, which controls the complete operation of the machine including rotation direction checking.



- ▶ Enabling the second 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.

A-MICRO SE 2.2 - 4.0

2.2-4 kW

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer (Tank: 200 litres AD 2000)

Air-end:

FS14



Controller:

- On/off pressure switch

Fixed Speed
1 500 rpm at 230 Volt ; 3 000 rpm at 400 Volt

A-DUO-MICRO SE 4.0

4 kW

Available versions:

- Compressor + vessel
- Compressor + vessel (2 x 100 l AD 2000) + refrigeration dryer
- Compressor + vessel (2 x 100 l AD 2000) + refrigeration dryer + fine filter + oil water separator + autom. condensate drain

Air-end:

FS14



Controller:

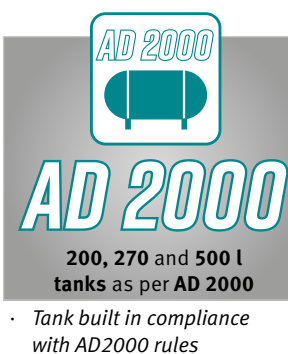
- On/off pressure switch

Fixed Speed
3 000 rpm at 400 Volt



- ▶ Extremely quiet
- ▶ Very compact design
- ▶ Incl. sense of direction check
- ▶ Low maintenance costs
- ▶ Ease of installation and use.

Dryer module ▶
The models with tank are also available with a dryer ("K" versions): immediately ready to operate without any installation overhead.



A-MICRO 4.0-5.5

4 - 5.5 kW

Available versions:

- floor mounted compressor
 - Compressor + vessel
 - Compressor + vessel + refrigeration dryer
- (Tank: 270 or 500 litres AD 2000)

Air-end:

FS14



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed Speed
3 000 rpm at 400 Volt

A-MICRO SE series – Screw-type compressors with ribbed belt drive in noise-insulated housing. For permanent operations, even with low compressed air requirements.

- ▶ Space-saving, ribbed belt-driven stand-alone compressors
- ▶ Start-stop operation via pressure switch achieves energy savings compared with idling control
- ▶ Specially designed for operations that need a continuous compressed air supply but require a compact, low-noise device with low operating costs.
- ▶ Highly efficient noise-insulation allows for deployment in sensitive areas
- ▶ Effective cooling guarantees operational safety and good air quality
- ▶ Equipped with a star delta circuitry as factory standard as of 4 kW motor output
- ▶ Also ideal to supplement existing systems, e.g., for covering the basic compressed air load
- ▶ With sense of direction check
- ▶ Includes thermal motor protection, oil temperature monitoring (max. 110°C) and operating hours counter as a factory standard, thus guaranteeing a high level of operational safety
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components
- ▶ Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration



A-MICRO SE 4.0 - 10

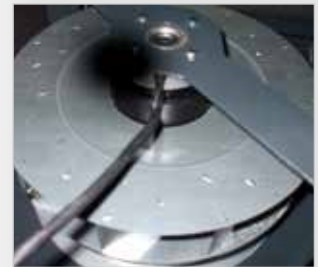
- ▶ Fig. shows open front cover
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components

A-MICRO SE 4.0-08-200

- ▶ Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Volts	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.	
Model range A-MICRO SE - Screw-type compressors with ribbed belt drive (floor-mounted) ⁽³⁾											
A-MICRO SE 2.2-10 M	10	240	2.2	230	58	580 x 480 x 760	1/2"	-	87	2091004	
A-MICRO SE 4.0-08	8	580	4	400	60	580 x 480 x 760	1/2"	-	93	2091602	
A-MICRO SE 4.0-10	10	485	4	400	60	580 x 480 x 760	1/2"	-	93	2091604	
Model range A-MICRO SE - Screw-type compressors with ribbed belt drive on vessel											
A-MICRO SE 2.2-10 M - 200	10	240	2.2	230	58	1 440 x 510 x 1 280	1/2"	200	144	2091014	
A-MICRO SE 4.0-08-200	8	580	4	400	60	1 440 x 510 x 1 280	1/2"	200	150	2091612	
A-MICRO SE 4.0-10-200	10	485	4	400	60	1 440 x 510 x 1 280	1/2"	200	150	2091614	

(1) Sound pressure level at a distance of 1 m as per DIN 45635 T 13 (3) Use of an overflow valve recommended in screw-type compressor operations without a tank – available as an accessory *Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan



- Premium ribbed belt drive guarantees optimum power transmission from the motor to the compressor ensuring a long service life at the same time



A-MICRO SE 4.0-08-200 K

- On vessel with add-on refrigeration dryer

AD 2000

200, 270 and 500 l tanks as per AD 2000

- Tank built in compliance with AD2000 rules

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Volts	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
Model range A-MICRO SE - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer										
A-MICRO SE 4.0-08-200 K	8	580	4	400	60	1 440 x 510 x 1 280	1/2"	200	180	2091652
A-MICRO SE 4.0-10-200 K	10	485	4	400	60	1 440 x 510 x 1 280	1/2"	200	180	2091654



Many models are BAFA eligible!
Experience our capability and request individual advice!

Contact: +49 951 96555-630 kompRESSOREN@stuermer-maschinen.de

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Accessories	Art. no.
Overflow valve (recommended in screw-type compressor operations without pressure vessel)	2099910

(1) Sound pressure level at a distance of 1 m as per DIN 45635 T 13 *Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

A-DUO-MICRO Series - 4 kW screw-type compressor with ribbed belt drive and 2 x 100 l vessels on safety pallet

- Screw-type compressor with ribbed belt drive
- Start-stop operation via pressure switch achieves energy savings compared with idling control
- Minimal and easy maintenance
- Completely ready for connection with all fittings
- Permanent protection against corrosion thanks to hot dip galvanised pressure vessel with 15 year guarantee against corrosion penetration



A-DUO-MICRO SE 4.0-10 2 x 100

► Figure shows standard type



A-DUO-MICRO SE 4.0-10 2 x 100 K

► Easily transportable and deployable thanks to the safety pallet.



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Warranty



Very quiet

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.

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Volts	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Con- nection G	Vessel capacity l	weight kg	Art. no.	
Model range A-DUO MICRO - Screw-type compressor with ribbed belt drive on 2 x 100 l vessel											
A-DUO-MICRO SE 4.0-08 2x100	8	580	4.0	400	61	1 250 x 950 x 1 430	1/2"	2 x 100	198	2091622	
A-DUO-MICRO SE 4.0-10 2x100	10	485	4.0	400	61	1 250 x 950 x 1 430	1/2"	2 x 100	198	2091624	
Model range A-MICRO K - Screw-type compressors with ribbed belt drive with built-on refrigeration dryer on 2 x 100 l vessel											
A-DUO-MICRO SE 4.0-08 2x100 K	8	580	4.0	400	61	1 250 x 950 x 1 430	1/2"	2 x 100	221	2091662	
A-DUO-MICRO SE 4.0-10 2x100 K	10	485	4.0	400	61	1 250 x 950 x 1 430	1/2"	2 x 100	221	2091664	
A-DUO MICRO KK Series - central compressed air system with 2x100 l pressure vessel.											
Refrigeration dryer, automatic condensate drain, pre-filter and condensate conditioner for oil-water separation											
A-DUO-MICRO SE 4.0-08 2x100 KK	8	580	4.0	400	61	1 250 x 950 x 1 430	1/2"	2 x 100	228	2091682	
A-DUO-MICRO SE 4.0-10 2x100 KK	10	485	4.0	400	61	1 250 x 950 x 1 430	1/2"	2 x 100	228	2091684	

⁽¹⁾ Sound pressure level at a distance of 1 m as per DIN 45635 T 13 *Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH



A-DUO-MICRO SE 4.0-10 2 x 100 KK



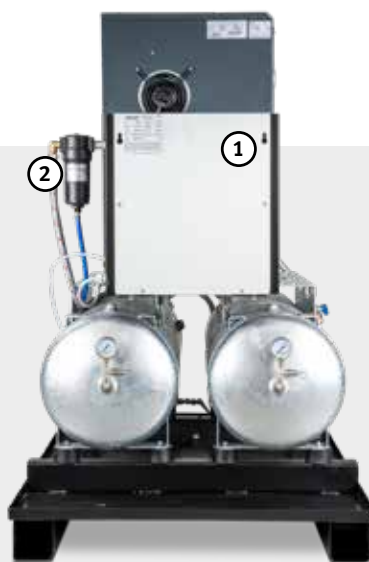
· Automatic condensate drain on vessel



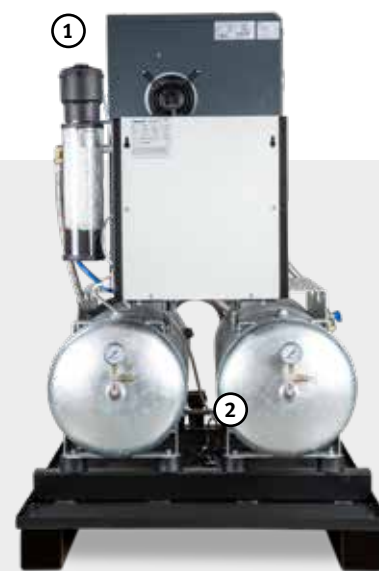
· Condensate conditioner for oil-water separation



DUO equipment
1. Anti-vibration elements
2. Safety pallet



Equipment DUO K, additionally features:
1. Refrigeration dryer with integrated automatic condensate drain, pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C
2. Fine filter as prefilter upstream of the refrigeration dryer for separating condensate and solid contamination with a particle size of up to 1 µm (compressed air quality as per ISO 8573-1)



Equipment DUO K, additionally features:
1. Condensate conditioner for oil-water separation
2. Automatic condensate drain installed on the pressure vessel, condensate drainage without unnecessary pressure loss

Equipment level	DUO	DUO K	DUO KK
Anti-vibration elements	X	X	X
Safety pallet	X	X	X
Refrigeration dryer		X	X
Pre-/fine filter AFF0078		X	X
Autom. condensate drain AMD			X
Oil/water separator WOS 1			X

A-MICRO series – Screw-type compressors with ribbed belt drive in noise-insulated housing. For permanent operations, even with low compressed air requirements.

- ▶ Space-saving, ribbed belt-driven stand-alone compressors
- ▶ ETM II controller incl. sense of direction checking
- ▶ Specially designed for operations with continuous compressed requirements where a compact, low-noise device with low operating costs is desirable
- ▶ Highly efficient noise-insulation allows for deployment in sensitive areas
- ▶ Intensive cooling guarantees operational safety and good air quality
- ▶ Also ideal to supplement existing systems, e.g., for covering the basic compressed air load
- ▶ Includes thermal motor protection, oil temperature monitoring (max. 110°C) and operating hours counter as a factory standard, thus guaranteeing a high level of operational safety
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components
- ▶ Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration



ETM II control
The smart control and monitoring system



A-MICRO 4.0-10



A-MICRO 4.0-10 - 200



Warranty



Very quiet

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
A-MICRO model range - Screw-type compressors with ribbed belt drive (floor-mounted)⁽²⁾									
A-MICRO 4.0-08	8	580	4	60	580 x 480 x 760	1/2"	–	94	2091602-S
A-MICRO 4.0-10	10	485	4	60	580 x 480 x 760	1/2"	–	94	2091604-S
A-MICRO 4.0-13	13	330	4	60	580 x 480 x 760	1/2"	–	94	2091606-S
A-MICRO 5.5-08	8	720	5.5	64	600 x 520 x 780	1/2"	–	125	2091802
A-MICRO 5.5-10	10	650	5.5	64	600 x 520 x 780	1/2"	–	125	2091804
A-MICRO 5.5-13	13	485	5.5	64	600 x 520 x 780	1/2"	–	125	2091806
A-MICRO model range - Screw-type compressors with ribbed belt drive on vessel									
A-MICRO 4.0-08-200	8	580	4	60	1 440 x 510 x 1 280	1/2"	200	151	2091612-S
A-MICRO 4.0-10-200	10	485	4	60	1 440 x 510 x 1 280	1/2"	200	151	2091614-S
A-MICRO 5.5-08-270	8	720	5.5	64	1 560 x 570 x 1 390	1/2"	270	185	2091822
A-MICRO 5.5-10-270	10	650	5.5	64	1 560 x 570 x 1 390	1/2"	270	185	2091824

⁽¹⁾ Sound pressure level at a distance of 1 m as per DIN 45635 T 13 ⁽²⁾ Use of an overflow valve recommended in screw-type compressor operations without pressure vessel - available as an accessory

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



A-MICRO 5.5-08-270 K

- Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration



- Intensive cooling guarantees operational safety and good air quality
- Extremely quiet fan by design



- Premium ribbed belt drive guarantees optimum power transmission from the motor to the compressor ensuring a long service life at the same time

AD 2000

200, 270 and 500 l tanks as per AD 2000

- Tank built in compliance with AD2000 rules

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
A-MICRO model range - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer									
A-MICRO 4.0-08-200 K	8	580	4	60	1 440 x 510 x 1 280	1/2"	200	181	2091652-S
A-MICRO 4.0-10-200 K	10	485	4	60	1 440 x 510 x 1 280	1/2"	200	181	2091654-S
A-MICRO 5.5-08-270 K	8	720	5.5	64	1 560 x 570 x 1 390	1/2"	270	215	2091862
A-MICRO 5.5-10-270 K	10	650	5.5	64	1 560 x 570 x 1 390	1/2"	270	215	2091864



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Accessories	Art. no.
Overflow valve (recommended in screw-type compressor operations without pressure vessel)	2099910

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

A-PLUS 11 - 22 kW: new design, high performance.

► All important components of the compressor are machined in-house with highly innovative process controlled machines: this allows full control on the production cycle and over the total quality of the complete compressor.

► The cooling air flow, channeled by the thermostatic controlled centrifugal fan, cools down a generously dimensioned combined oil/air heat exchanger: this permits the compressor to run also in severe temperature conditions.



- Extremely quiet
- Low maintenance costs
- Ease of installation and use.
- High-performance screw compressors
- Ease of access for routine maintenance
- Pre-filtering panel

A-PLUS 11-15



► Dryer module

The Plus 18.5, 22, 31 and 38 models with dryer module (ES) provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.

A-PLUS 18.5-22

11 - 15 kW

Available versions:

- floor mounted compressor
 - Compressor + vessel
 - Compressor + vessel + refrigeration dryer
- (Tank: 270 or 500 litres AD 2000)

Air-end:

FS26 TF



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed Speed

18.5 - 22 kW

Available versions:

- Base compressor
- Compressor + refrigeration dryer

Air-end:

FS50 TF



Controller:

EasyTRONIC IV (ET IV)



Fixed or variable speed (A-Plus 22 VS)

A-PLUS 30 - 75 kW: a quality choice

- ▶ Extremely quiet
- ▶ High-performance screw compressors
- ▶ Ease of access for routine maintenance
- ▶ Low maintenance costs
- ▶ Ease of installation and use.
- ▶ Pre-filtering panel
- ▶ Noise-insulation housing

Clean conditions in any ambient

A cabinet pre-filtering panel (standard from 18.5 kW) prevents the dust coming inside increasing air filters and belt life by 15 %.



A-PLUS 31-38



A-PLUS 45-55



A-PLUS 56-75

30 - 37 kW

45-55 kW

55 - 75 kW

Available versions:

- Base compressor
- Compressor + refrigeration dryer

Available versions:

- Base compressor

Available versions:

- Base compressor

Air-end:

FS100
FS130



Air-end:

FS130



Air-end:

FS250



Controller:

EasyTRONIC IV (ET IV)



Controller:

EasyTRONIC IV (ET IV)



Controller:

EasyTRONIC IV (ET IV)



Fixed or variable speed (A-Plus 38 VS)

Fixed Speed

Fixed or variable speed (A-Plus 56 and A-Plus 75 VS)

A-PLUS Belt-driven screw-type compressor - for 100 % load - designed for maximum operational safety.

- ▶ With the EasyTRONIC MICRO II electronic control unit featuring pressure sensor control as a factory standard – prevents motor overload, reduces wear and prolongs service life
- ▶ Features star-delta switch
- ▶ Excellent cooling performance and low noise thanks to thermostatically controlled radial fan
- ▶ Operating hours counter logs load and post-run times; this ensures compliance with maintenance intervals – displays an automatic message to indicate that maintenance is due
- ▶ Rotational direction checking for the motor avoids potential damage during commissioning or after a change of location
- ▶ Screw-type compressor with wear-resistant Poly V ribbed belt drive and slide clamping system
- ▶ Easy maintenance due to easily accessible elements
- ▶ Optimum operating temperatures thanks to thermostatically controlled fan, optimum cooling air guidance and generously dimensioned heat exchangers, thus ensuring a longer service life and less oil temperature fluctuation than with thermostat control
- ▶ Factory standard re-cooler reduces overhead for drying and filtration of the generated compressed air
- ▶ Small footprint facilitates transport and deployment



ETM II control
The smart control and monitoring system



A-PLUS 11-10



A-PLUS 11-08-270

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
A-PLUS model range - Screw-type compressors with ribbed belt drive (floor-mounted) ⁽³⁾									
A-PLUS 11-08	8	1 650	11	69	800 x 650 x 980	3/4"	–	210	2092402
A-PLUS 11-10	10	1 500	11	69	800 x 650 x 980	3/4"	–	210	2092404
A-PLUS 11-13	13	1 100	11	69	800 x 650 x 980	3/4"	–	210	2092406
New A-PLUS 11-15	15	980	11	69	800 x 650 x 980	3/4"	–	210	2092408
A-PLUS 15-08	8	2 150	15	70	800 x 650 x 980	3/4"	–	220	2092602
A-PLUS 15-10	10	1 850	15	70	800 x 650 x 980	3/4"	–	220	2092604
A-PLUS 15-13	13	1 500	15	70	800 x 650 x 980	3/4"	–	220	2092606
New PLUS 15-15	15	1 300	15	70	800 x 650 x 980	3/4"	–	220	2092608
A-PLUS 16-08	8	2 350	15	68	800 x 650 x 980	3/4"	–	241	2092802
A-PLUS 16-10	10	2 050	15	68	800 x 650 x 980	3/4"	–	241	2092804
A-PLUS 16-13	13	1 750	15	68	800 x 650 x 980	3/4"	–	241	2092806
A-PLUS model range - Screw-type compressors with ribbed belt drive on vessel									
A-PLUS 11-08-270	8	1 650	11	69	1 550 x 700 x 1 510	3/4"	270	260	2092422
A-PLUS 11-10-270	10	1 500	11	69	1 550 x 700 x 1 510	3/4"	270	260	2092424
A-PLUS 11-13-270	13	750	11	69	1 550 x 700 x 1 510	3/4"	270	260	2092426
A-PLUS 11-08-500	8	1 650	11	69	1 980 x 700 x 1 630	3/4"	500	322	2092432
A-PLUS 11-10-500	10	1 500	11	69	1 980 x 700 x 1 630	3/4"	500	322	2092434
A-PLUS 11-13-500	13	1 100	11	69	1 980 x 700 x 1 630	3/4"	500	322	2092436
A-PLUS 15-08-500	8	2 150	15	70	1 980 x 700 x 1 630	3/4"	500	357	2092632
A-PLUS 15-10-500	10	1 850	15	70	1 980 x 700 x 1 630	3/4"	500	357	2092634
A-PLUS 15-13-500	13	1 500	15	70	1 980 x 700 x 1 630	3/4"	500	357	2092636
A-PLUS 16-08-500	8	2 350	15	68	1 980 x 700 x 1 630	3/4"	500	362	2092832
A-PLUS 16-10-500	10	2 050	15	68	1 980 x 700 x 1 630	3/4"	500	362	2092834
A-PLUS 16-13-500	13	1 750	15	68	1 980 x 700 x 1 630	3/4"	500	362	2092836



Warranty



Very quiet

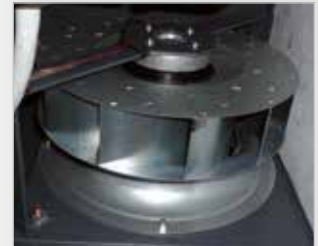


A-PLUS 16-10-500 K

- Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration



- All oil lines are rubber hoses with steel mesh armouring
- This ensures maximum safety, even at high temperatures



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan



- Oil filter and oil microfilter separator cartridge are bolted on elements and easily accessible through the front panel

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
Model range A-PLUS K - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer									
A-PLUS 11-08-270 K	8	1 650	11	69	1 550 x 700 x 1 510	3/4"	270	363	2092462
A-PLUS 11-10-270 K	10	1 500	11	69	1 550 x 700 x 1 510	3/4"	270	363	2092464
A-PLUS 11-13-270 K	13	1 100	11	69	1 550 x 700 x 1 510	3/4"	270	363	2092466
A-PLUS 11-08-500 K	8	1 650	11	69	1 980 x 700 x 1 630	3/4"	500	395	2092472
A-PLUS 11-10-500 K	10	1 500	11	69	1 980 x 700 x 1 630	3/4"	500	395	2092474
A-PLUS 11-13-500 K	13	1 100	11	69	1 980 x 700 x 1 630	3/4"	500	395	2092476
A-PLUS 15-08-500 K	8	2 150	15	70	1 980 x 700 x 1 630	3/4"	500	436	2092672
A-PLUS 15-10-500 K	10	1 850	15	70	1 980 x 700 x 1 630	3/4"	500	436	2092674
A-PLUS 15-13-500 K	13	1 500	15	70	1 980 x 700 x 1 630	3/4"	500	436	2092676
A-PLUS 16-08-500 K	8	2 350	15	68	1 980 x 700 x 1 630	3/4"	500	436	2092872
A-PLUS 16-10-500 K	10	2 050	15	68	1 980 x 700 x 1 630	3/4"	500	436	2092874
A-PLUS 16-13-500 K	13	1 750	15	68	1 980 x 700 x 1 630	3/4"	500	436	2092876



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(1) Sound pressure level at a distance of 1 m as per DIN 45635 T 13 *Warranty terms on www.stuermer-maschinen.de or request from Stürmer Maschinen GmbH

A-PLUS Series - Screw-type compressors with ribbed belt drive for permanent operation at 100 % load.

- ▶ Noise-insulated screw-type compressor with ribbed belt drive (Poly V with high wear resistance) and slide clamping system
- ▶ The focus in this compressor's design was on energy efficiency, low maintenance costs, ease of installation and user-friendliness
- ▶ Equipped with EasyTRONIC IV electronic control incl. pressure sensor operation as a factory standard, thus avoiding motor overload, reducing wear and extended the service life
- ▶ Post-run timer control via control unit for individual accommodation of actual operating situation
- ▶ Equipped with a star delta circuitry as factory standard
- ▶ With sense of direction checking for the motor

as a factory standard, thus avoiding possible damage during commissioning or after a change of location

- ▶ Monitoring of the operating pressure by means of a pressure sensor guarantees reliable, long-term stability in operations - the pressure sensor supports changes to the operating pressure directly via the control electronics without any mechanical intervention
- ▶ Includes operating hours counter for logging load and post-run times; this ensures compliance with maintenance intervals - displays an automatic message to indicate that maintenance is due

- ▶ Factory standard re-cooler reduces overhead for drying and filtering the compressed air generated
- ▶ Easy to maintain due to optimum accessibility of all components
- ▶ Simple removal and installation of all components that require regular maintenance
- ▶ The low noise level and the device's compact design, support deployment in a wide variety of working environments
- ▶ Easy transportation and ease of installation due to standard pallet-sized dimensions - footprint of less than 1 m²



EasyTRONIC IV control
The smart control and monitoring system



A-PLUS 22-10

- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
A-PLUS model range - Screw-type compressors with ribbed belt drive (floor-mounted)⁽²⁾									
A-PLUS 18.5-08	8	2 800	18.5	66	1 350 x 800 x 1 130	1"	–	350	2093202
A-PLUS 18.5-10	10	2 500	18.5	66	1 350 x 800 x 1 130	1"	–	350	2093204
A-PLUS 18.5-13	13	2 150	18.5	66	1 350 x 800 x 1 130	1"	–	350	2093206
New A-PLUS 18.5-15	15	1 650	18.5	66	1 350 x 800 x 1 130	1"	–	350	2093208
A-PLUS 22-08	8	3 350	22	68	1 350 x 800 x 1 130	1"	–	380	2093402
A-PLUS 22-10	10	3 000	22	68	1 350 x 800 x 1 130	1"	–	380	2093404
A-PLUS 22-13	13	2 400	22	68	1 350 x 800 x 1 130	1"	–	380	2093406
New A-PLUS 22-15	15	1 970	22	68	1 350 x 800 x 1 130	1"	–	380	2093408
A-PLUS-K model range - Screw-type compressor with ribbed belt drive (floor-mounted with refrigeration dryer)									
A-PLUS 18.5-08 K	8	2 800	18.5	66	1 690 x 800 x 1 130	1"	–	400	2093242
A-PLUS 18.5-10 K	10	2 500	18.5	66	1 690 x 800 x 1 130	1"	–	400	2093244
A-PLUS 18.5-13 K	13	2 150	18.5	66	1 690 x 800 x 1 130	1"	–	400	2093246
A-PLUS 22-08 K	8	3 350	22	68	1 690 x 800 x 1 130	1"	–	430	2093442
A-PLUS 22-10 K	10	3 000	22	68	1 690 x 800 x 1 130	1"	–	430	2093444
A-PLUS 22-13 K	13	2 400	22	68	1 690 x 800 x 1 130	1"	–	430	2093446

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 (2) Use of an overflow valve recommended in screw-type compressor operations without pressure vessel - available as an accessory



A-PLUS 18.5-10 K



- Flexible oil line
- Maximum safety, even at high temperatures



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan

Energy savings thanks to frequency controlled air compressors

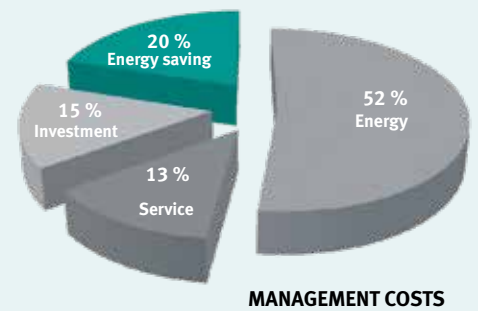
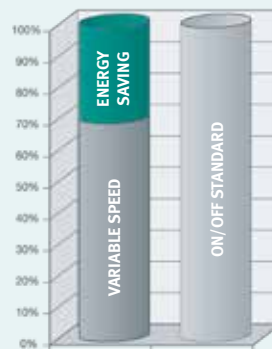
SpeedTronic control

Reducing energy consumption and conserving precious energy resources is a global challenge considering its impact on the environment. The A-PLUS series, with outputs of 22, 37, 55 and 75 kW, is also available in speed controlled version, providing high performance combined

with energy saving solutions. You can make significant energy savings using variable speed compressors in a typical installation.

A frequency converter dynamically adjusts the voltage, frequency and amperage values of the motor. The air output is constantly adjusted between 50 and 100 percent of the compressor full capacity. This leads to the following, measurable positive effects:

- Precision coverage of air requirements thanks to continuous control of the motor speed and compressed air generation
- Minimises unnecessary energy losses through continuous adaptation of compressed air output to the actual air requirement
- Energy consumption proportional to the delivered compressed air
- Constant and accurate pressure control selectable at any value between 6 and 10 bar (13 bar on demand).



Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	Vessel capacity l	weight kg	Art. no.
A-PLUS VS model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control)									
A-PLUS 22-08 VS	8	3 350 / 1 350	22	68	1 350 x 800 x 1 130	1"	—	390	2093502
A-PLUS 22-10 VS	10	3 050 / 1 220	22	68	1 350 x 800 x 1 130	1"	—	390	2093504
A-PLUS VS K model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control and add-on refrigeration dryer)									
A-PLUS 22-08 VS K	8	3 350 / 1 350	22	68	1 690 x 800 x 1 130	1"	—	440	2093542
A-PLUS 22-10 VS K	10	3 050 / 1 220	22	68	1 690 x 800 x 1 130	1"	—	440	2093544

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



Many models are BAFA eligible!

Experience our capability and
request individual advice!

Contact: +49 951 96555-630 kompressoren@stuermer-maschinen.de

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A-PLUS Series - Noise-insulated screw-type compressors from 30 to 75 kW

- ▶ All main components of the air compressor are manufactured with the help of numerically controlled toolmaking machines, including the intake controller, separator block and minimum pressure valve.
- ▶ Cooling is via a temperature-controlled radial fan and a generously dimensioned combination cooler. This guarantees optimum cooling, even under the most extreme conditions of use.
- ▶ Large access panels allow for easy maintenance and immediate checking of the internal components, thus reducing the time required for inspection and maintenance to a minimum.
- ▶ The most important operating parameters are monitored by the electronic EasyTRONIC IV: in addition to a variety of functions, there is a week timer for switching on and off to meet all of the user's requirements. Additionally, up to four machines can be controlled simultaneously based on the master/slave principle.
- ▶ Equipped with a star delta circuitry as factory standard



EasyTRONIC IV control
The smart control and monitoring system



A-PLUS 45-10

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	weight kg	Art. no.
A-PLUS model range - Screw-type compressors with ribbed belt drive (floor-mounted)⁽²⁾								
A-PLUS 31-08	8	4 700	30	70	1 530 x 830 x 1 440	1 -1/4"	630	2093602
A-PLUS 31-10	10	4 200	30	70	1 530 x 830 x 1 440	1 -1/4"	630	2093604
A-PLUS 31-13	13	3 400	30	70	1 530 x 830 x 1 440	1 -1/4"	630	2093606
A-PLUS 38-08	8	6,000	37	68	1 530 x 830 x 1 440	1 -1/4"	700	2093802
A-PLUS 38-10	10	5 300	37	68	1 530 x 830 x 1 440	1 -1/4"	700	2093804
A-PLUS 38-13	13	4 000	37	68	1 530 x 830 x 1 440	1 -1/4"	700	2093806
A-PLUS 45-08	7.5	7 200	45	72	1 600 x 970 x 1 860	1 -1/2"	910	2094202
A-PLUS 45-10	10	6,500	45	72	1 600 x 970 x 1 860	1 -1/2"	910	2094204
A-PLUS 45-13	13	5 100	45	72	1 600 x 970 x 1 860	1 -1/2"	910	2094206
A-PLUS 55-08	7.5	8 600	55	74	1 600 x 970 x 1 860	1 -1/2"	952	2094402
A-PLUS 55-10	10	7 800	55	74	1 600 x 970 x 1 860	1 -1/2"	952	2094404
A-PLUS 55-13	13	6,400	55	74	1 600 x 970 x 1 860	1 -1/2"	952	2094406
A-PLUS 56-08	7.5	9 300	55	70	1 800 x 1 100 x 2 150	2"	1 650	2094602
A-PLUS 56-10	10	8 300	55	70	1 800 x 1 100 x 2 150	2"	1 650	2094604
A-PLUS 56-13	13	7 000	55	70	1 800 x 1 100 x 2 150	2"	1 650	2094606
A-PLUS 75-08	7.5	12,200	75	72	1 800 x 1 100 x 2 150	2"	1 720	2094802
A-PLUS 75-10	10	10,500	75	72	1 800 x 1 100 x 2 150	2"	1 720	2094804
A-PLUS 75-13	13	8 300	75	72	1 800 x 1 100 x 2 150	2"	1 720	2094806

(1) Sound pressure level at 1 m distance as per DIN 45635 T 13 (2) Use of an overflow valve recommended in screw-type compressor operations without pressure vessel - available as an accessory



Minimum pressure valve

- Made of oxidation-resistant material
- Great care in manufacturing ensures reliable operation even under the most extreme conditions.



Pre-filter panel

- The cell is equipped with a pre-filter panel that keeps back the dust and ensures that the interior of the machine stays clean.

A-PLUS 75-10 VS

SpeedTronic
control

Energy savings thanks to frequency controlled air compressors

Reducing energy consumption and conserving precious energy resources is a global challenge considering its impact on the environment. The A-PLUS series, with outputs of 22, 37, 55 and 75 kW, is also available in speed controlled

version, providing high performance combined with energy saving solutions. You can make significant energy savings using variable speed compressors in a typical installation.

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	weight kg	Art. no.
A-PLUS-K model range - Screw-type compressor with ribbed belt drive (floor-mounted with refrigeration dryer)								
A-PLUS 31-08 K	8	4 700	30	70	1 530 x 830 x 1 440	1 -1/4"	710	2093642
A-PLUS 31-10 K	10	4 200	30	70	1 530 x 830 x 1 440	1 -1/4"	710	2093644
A-PLUS 31-13 K	13	3 400	30	70	1 530 x 830 x 1 440	1 -1/4"	710	2093646
A-PLUS 38-08 K	8	6,000	37	68	1 860 x 830 x 1 440	1 -1/4"	780	2093842
A-PLUS 38-10 K	10	5 300	37	68	1 860 x 830 x 1 440	1 -1/4"	780	2093844
A-PLUS 38-13 K	13	4 000	37	68	1 860 x 830 x 1 440	1 -1/4"	780	2093846
A-PLUS VS model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control)								
A-PLUS 38-08 VS	8	5 900 / 2 350	37	72	1 530 x 830 x 1 440	1 -1/4"	725	2093902
A-PLUS 38-10 VS	10	5 200 / 2 050	37	72	1 530 x 830 x 1 440	1 -1/4"	725	2093904
A-PLUS 56-08 VS	7.5	9 300 / 3 700	55	70	1 800 x 1 100 x 2 150	2"	1 686	2094702
A-PLUS 56-10 VS	10	8 300 / 3 300	55	70	1 800 x 1 100 x 2 150	2"	1 686	2094704
A-PLUS 75-08 VS	7.5	12 200 / 48.00	75	72	1 800 x 1 100 x 2 150	2"	1 756	2094902
A-PLUS 75-10 VS	10	10 500 / 4 200	75	72	1 800 x 1 100 x 2 150	2"	1 756	2094904
A-PLUS VS model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control and add-on refrigeration dryer)								
A-PLUS 38-08 KVS	8	5 900 / 2 350	37	72	1 860 x 830 x 1 440	1 -1/4"	805	2093942
A-PLUS 38-10 KVS	10	5 200 / 2 050	37	72	1 860 x 830 x 1 440	1 -1/4"	805	2093944



Many models are BAFA eligible!

Experience our capability and request individual advice!

Contact: +49 951 96555-630 kompressoren@stuermaschinen.de

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

Long Life Kit for screw compressors scheduled maintenance

- **FSN original spare parts** have been rigorously selected, checked and tested by specialized technicians to ensure the utmost efficiency and endurance of the compressor.
- Specialized staff is continuously in contact with our distribution centres worldwide, to deliver spare parts to our customers in the least time possible.

- The use of **FSN Long Life Kit**, specifically studied for screw compressors, extends maintenance intervals, cutting down service costs and ensuring consistent product performance, with consequential energy saving.
- Warranty claims can only be accepted if you use original parts.



Regular maintenance A-MICRO series

		Maintenance every 2 000 hours (or annually) for mineral oil	Maintenance every 4 000 hours (or annually) for synthetic oil	Maintenance every 8 000 hours for mineral oil/synthetic oil
		· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separation cartridge · 1 drain valve		· KIT A · 1 Poly V belt · 1 Solenoid valve
2.2 - 5.5 kW	Commodity group	KIT A		KIT B
A-MICRO SE 2.2-10 M	285	0260KTB00E		0260KTE00E
A-MICRO SE 2.2 - 08	285			0260KTE01E
A-MICRO SE 2.2 - 10	285			0260KTE02E
A-MICRO SE 3.0 - 08	285			0260KTE03E
A-MICRO SE 3.0 - 10	285			0260KTE04E
A-MICRO SE 4.0 - 08	285			0260KTE05E
A-MICRO SE 4.0 - 10	285			0260KTE27E
A-MICRO 4.0-08	285			0260KTE28E
A-MICRO 4.0-10	285			0260KTE29E
A-MICRO 4.0-13	285			0260KTE27E
A-MICRO 5.5-08	285			0260KTE06E
A-MICRO 5.5-10	285			
A-MICRO 5.5-13	285			

Designation	Art. no.
LLK-B 2.2-5.5 MMGD	0260KTB00E
LLK-E 2.2M MMGD 10B	0260KTE00E
LLK-E 2.2 MMGD 8B	0260KTE01E
LLK-E 2.2 MMGD 10B	0260KTE02E
LLK-E 3 MMGD	0260KTE03E
LLK-E 4 MMGD 8B	0260KTE04E

Designation	Art. no.
LLK-E 4 MMGD 10B	0260KTE05E
MICRO 5.5-13 maintenance kit	0260KTE06E
LLK-E 4-5.5 MMGD	0260KTE27E
LLK-E 4-5.5 MMGD	0260KTE28E
LLK-E 4-5.5 MMGD	0260KTE29E



Individual components A-MICRO series



		Consumables	4 000 h		8 000 h	16 000 h	
		· Air filter cartridge	· Intake regulator kit	· Poly V belt	· Minimum pressure valve kit.	· Air-end kit	· Air-end
2.2 - 5.5 kW	Commod-ity group		4 000 h		8 000 h	16 000 h	
A-MICRO SE 2.2-10 M	285	0017092000	0451J00041	0045197000	0347111000SGL	0230510200	05305100110
A-MICRO SE 2.2 - 08	285			0045188000			
A-MICRO SE 2.2 - 10	285			0045183000			
A-MICRO SE 3.0 - 08	285			0045181000			
A-MICRO SE 3.0 - 10	285			0045182000			
A-MICRO SE 4.0 - 08	285		0260249050	0045180000			
A-MICRO SE 4.0 - 10	285			0045182000			
A-MICRO 4.0-08	285			0045180000			
A-MICRO 4.0-10	285			0045181000			
A-MICRO 4.0-13	285			0045182000			
A-MICRO 5.5-08	285			0045180000			
A-MICRO 5.5-10	285						
A-MICRO 5.5-13	285						

Designation	Art. no.
Air filter cartridge 1000 h	0017092000
Intake regulator kit	0451J00041
Intake regulator kit	0260249050
Poly V belt	0045197000
Poly V belt	0045188000
Poly V belt	0045183000

Designation	Art. no.
Poly V belt	0045181000
Poly V belt	0045182000
Poly V belt	0045180000
Minimum pressure valve kit	0347111000SGL
Air-end kit	0230510200
Air-end	05305100110



Regular maintenance A-PLUS series

		Maintenance every 2 000 hours (or annually) for mineral oil	Maintenance every 4 000 hours (or annually) for synthetic oil	Maintenance every 8 000 hours for mineral oil/synthetic oil
		· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separation cartridge · 1 drain valve		· KIT A · 1 Poly V belt · 1 Solenoid valve
11 - 15 kW	Commodity group	KIT A		KIT B
A-PLUS 11-08	285	0260KTB02E		0260KTD03E
A-PLUS 11-10	285			0260KTD04E
A-PLUS 11-13	285			0260KTD05E
A-PLUS 11-15	285	0260KTC06E		0260KTD24E
A-PLUS 15-08	285	0260KTB02E		0260KTD03E
A-PLUS 15-10	285			0260KTD04E
A-PLUS 15-13	285			0260KTD05E
A-PLUS 15-15	285	0260KTC06E		0260KTD34E
A-PLUS 16-08	285	0260KTB02E		0260KTD04E
A-PLUS 16-10	285			
A-PLUS 16-13	285			

Designation	Art. no.
LLK-B 8 PSSD	0260KTB01E
LLK-B 11-16 PSSD	0260KTB02E
LLK-D 8 PSSD 8-13B	0260KTD01E
LLK-D 8 PSSD 10B	0260KTD02E

Designation	Art. no.
LLK-D 11-15 PSSD 8-10B	0260KTD03E
LLK-D 11-16 PSSD	0260KTD04E
Maintenance kit PLUS 11-13	0260KTD05E



Individual components A-PLUS series

		Consumables	4 000 h	8 000 h	20 000 h
		· Air filter cartridge	· Intake regulator kit	· Poly V belt · Minimum pressure valve kit.	· Air-end kit · Air-end
7.5 - 15 kW	Commodity group		4 000 h	8 000 h	20 000 h
A-PLUS 8-08	285	0017092000	0260249050	0045122000	0230300200 05303000110
A-PLUS 8-10	285			0045171000	
A-PLUS 8-13	285			0045122000	
A-PLUS 11-08	285	0017093000	0260264050	0045121000	
A-PLUS 11-10	285			0045122000	
A-PLUS 11-13	285			0045171000	
A-PLUS 15-08	285			0045121000	
A-PLUS 15-10	285			0045121000	
A-PLUS 15-13	285			0045121000	
A-PLUS 16-08	285			0045122000	
A-PLUS 16-10	285				0230400201 05304000110
A-PLUS 16-13	285				

Designation	Art. no.
Air filter cartridge 1000 h	0017092000
Air filter cartridge 1000 h	0017093000
Intake regulator kit	0260249050
Poly V belt	0260264050
Poly V belt	0045122000
Poly V belt	0045171000

Designation	Art. no.
Poly V belt	0045121000
Minimum pressure valve kit	0347111000SGL
Air-end kit	0230300200
Air-end kit	0230400201
Air-end	05303000110
Air-end	05304000110



Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	0600000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	0600000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	0600000022

Screw-type compressor maintenance

Art. no.: MAINTSCREW
Contact: +49 (0951) 96 555-501
kompressoren@stuermer-maschinen.de





Regular maintenance A-PLUS 18.5 – 75 kW series

		Maintenance every 2 000 hours (or annually) for mineral oil	Maintenance every 4 000 hours (or annually) for synthetic oil	Maintenance every 82 000 hours for mineral oil/synthetic oil
		· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Prefilter · 1 Prefilter for switch cabinet (VS models only)		· KIT A · 1 Poly V belt · 1 Solenoid valve
18.5 - 75 kW	Commodity group	KIT A		KIT B
A-PLUS 18.5-08	285	0260KTB03E		0260KTE09E
A-PLUS 18.5-10	285			
A-PLUS 18.5-13	285			
A-PLUS 18.5-15	285	0260KTC23E		0260KTE71E
A-PLUS 22-08	285	0260KTB03E		0260KTE10E
A-PLUS 22-10	285			
A-PLUS 22-13	285			0260KTE09E
A-PLUS 22-15	285	0260KTC23E		0260KTE71E
A-PLUS 22-08 VS	285	0260KTB09E		0260KTE20E
A-PLUS 22-10 VS	285			
A-PLUS 31-08	285			
A-PLUS 31-10	285	0260KTB04E		0260KTE11E
A-PLUS 31-13	285			
A-PLUS 38-08	285			0260KTE12E
A-PLUS 38-10	285	0260KTB10E		0260KTE11E
A-PLUS 38-13	285			
A-PLUS 38-08 VS	285			0260KTE21E
A-PLUS 38-10 VS	285	0260KTB05E		0260KTE13E
A-PLUS 45-08	285			
A-PLUS 45-10	285			0260KTE22E
A-PLUS 45-13	285	0260KTB06E		0260KTE14E
A-PLUS 55-08	285			
A-PLUS 55-10	285			
A-PLUS 55-13	285	0260KTB11E		0260KTE23E
A-PLUS 56-08 VS	285			
A-PLUS 56-10 VS	285			0260KTE15E
A-PLUS 56-08	285	0260KTB07E		0260KTE16E
A-PLUS 56-10	285			0260KTE17E
A-PLUS 56-13	285			0260KTE16E
A-PLUS 75-08	285	0260KTB11E		0260KTE17E
A-PLUS 75-10	285			
A-PLUS 75-13	285			0260KTE24E
A-PLUS 75-08 VS	285			
A-PLUS 75-10 VS	285			

Designation	Art. no.
LLK-B 18.5-22 PSSD	0260KTB03E
LLK-B 18.5-15 / 22-15	0260KTC23E
LLK-B 31-38 PSSD	0260KTB04E
LLK-B 45 PS	0260KTB05E
LLK-B 55 PS	0260KTB06E
LLK-B 75 PS	0260KTB07E
LLK-B 22 VS PSSD	0260KTB09E
LLK-B 38 VS PSSD	0260KTB10E
LLK-B 56 VS PS	0260KTB11E
LLK-E 18.5-22 PSSD 13B	0260KTE09E
LLK-E 22 PSSD 8-10B	0260KTE10E
LLK-E 18.5-15 / 22-15	0260KTE71E

Designation	Art. no.
LLK-E 31-38 PSSD 8-13B	0260KTE11E
LLK-E 38 PSSD 10B	0260KTE12E
LLK-E 45 PS 8-10B	0260KTE13E
LLK-E 55 PS	0260KTE14E
LLK-E 56 PS 8-10B	0260KTE15E
LLK-E 56 PS 13B	0260KTE16E
LLK-E 75 PS 8-13B	0260KTE17E
LLK-E 22 VS PSSD	0260KTE20E
LLK-E 38 VS PSSD	0260KTE21E
LLK-E 45 PS 13B	0260KTE22E
LLK-E 56 VS PS	0260KTE23E
LLK-E 75 VS PS	0260KTE24E

Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	0600000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	0600000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	0600000022



Individual components A-PLUS 18.5 - 75 kW series



18.5 - 75 kW	Commod- ity group		4 000 h	8 000 h			20 000 h	24 000 h	20 000 h	24 000 h	
A-PLUS 18.5-08	285	0017101000	0260264050	n.a.		0045111000	n.a.	0230400201	n.a.	05304000110	n.a.
A-PLUS 18.5-10	285										
A-PLUS 18.5-13	285										
A-PLUS 22-08	285										
A-PLUS 22-10	285										
A-PLUS 22-13	285										
A-PLUS 22-08 VS	285										
A-PLUS 22-10 VS	285	0017083000	n.a.	0419253010	0247150000	0045117000		0230800200		05308000110	
A-PLUS 31-08	285										
A-PLUS 31-10	285										
A-PLUS 31-13	285										
A-PLUS 38-08	285										
A-PLUS 38-10	285										
A-PLUS 38-13	285										
A-PLUS 38-08 VS	285		n.a.			0045132000	0230710000	0230710200		0307400000SGL	
A-PLUS 38-10 VS	285										
A-PLUS 45-08	285										
A-PLUS 45-10	285										
A-PLUS 45-13	285										
A-PLUS 55-08	285										
A-PLUS 55-10	285										
A-PLUS 55-13	285	0017067001	n.a.	0419265010	0213500030	n.a.	0213900005	0113900000SGL			
A-PLUS 56-08 VS	285										
A-PLUS 56-10 VS	285										
A-PLUS 56-08	285										
A-PLUS 56-10	285										
A-PLUS 56-13	285										
A-PLUS 75-08	285										
A-PLUS 75-10	285										
A-PLUS 75-13	285										
A-PLUS 75-08 VS	285										
A-PLUS 75-10 VS	285										

Designation	Art. no.	Designation	Art. no.
Air filter 18.5-08 – 22-10 VS	0017101000	Ribbed belt L16	0045118000
Air filter 31-08 – 55-13	0017083000	Ribbed belt L18	0045189000
Air filter 56-10VS – 75-10 VS	0017067001	Ribbed belt L20	0045191000
Intake regulator kit	0260264050	Air-end O-ring	0230710000
Intake regulator kit	0419253010	Air-end kit	0230400201
Intake regulator kit	0419265010	Air-end kit	0230800200
Minimum pressure valve kit	0247150000	Air-end kit	0230710200
Minimum pressure valve kit	0213500030	Air-end kit	0213900005
Ribbed belt L8	0045111000	Verdichter FS 50TF	05304000110
Ribbed belt L8	0045217000	Compressor stage FS 100	05308000110
Ribbed belt L10	0045132000	Air-end	05307400000SGL
Ribbed belt L10	0045117000	Air-end	0113900000SGL
Ribbed belt L16	0045219000		

Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	0600000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	0600000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	0600000022



A-K-MAX 5.5 - 11 kW: new design, high performance.

- ▶ The Aircraft A-K-MAX model range is available in a variety of configurations that precisely meet the customer's requirements:
- ▶ Starting with the standard floor mounted version, the range can also be selected with a 270 or 500 litre air vessel, with or without refrigeration dryer, also available with inverter drive.
- ▶ The whole machine is extremely compact with balanced dimensions.

- ▶ **Direct drive technology for maximum reliability.**
- ▶ **High performances, excellent efficiency.**
- ▶ **Intelligent microprocessor control.**
- ▶ **Compact, space saving design**
- ▶ **Maintenance-free drive**
- ▶ **Energy saving**



A-K-MAX 5.5

5.5 kW



A-K-MAX 7.5

7.5 kW



A-K-MAX 11

11 - 15 kW

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Air-end:

FSC 26



Air-end:

FSC 26



Air-end:

FSC 50



Controller:

EasyTRONIC IV (ET IV)



Fixed Speed

Controller:

EasyTRONIC IV (ET IV)



Fixed and variable speed

Controller:

EasyTRONIC IV (ET IV)



Fixed and variable speed

A-K-MAX 15-37 kW: a quality choice.



A-K-MAX 2208 VS

18.5 - 22 kW

Available versions:

- floor mounted compressor
- Compressor + refrigeration dryer

Air-end:

- FS 100 (variable speed)
- FS 130 (fixed speed, 7.5 bar)



Controller:

EasyTRONIC IV (ET IV)



Fixed and variable speed



A-K-MAX 3808 VS

31 - 37 - 45 - 55 kW

Available versions:

- floor mounted compressor
- Compressor + refrigeration dryer

Air-end:

- FS 190 (variable speed, 10-13 bar)
- FS 260 (fixed speed, 7.5 bar)



Controller:

EasyTRONIC IV (ET IV)



Fixed and variable speed



A-K-MAX 90-10

75 - 90 kW

Available versions:

- floor mounted compressor
- Compressor + refrigeration dryer

Air-end:

- FS 260 (fixed speed, 75 kW)
- FS 300 (variable speed, 76 - 90 kW)



Controller:

EasyTRONIC IV (ET IV)



Fixed and variable speed

A-K-MAX direct drive screw-type compressor – for 100 % load

- ▶ Maintenance free coaxial screw-type air-end with maximum energy efficiency
- ▶ EasyTRONIC IV electronic control with pressure sensor operation prevents motor overload and reduces wear
- ▶ Operating hours counter logs load and post-run times; an automatic message is displayed to indicate that maintenance is due
- ▶ Rotational direction checking for the motor prevents damage during commissioning or after a change of location
- ▶ Excellent cooling performance and low noise level thanks to thermostatically controlled radial fan
- ▶ Optimum operating temperature and low oil temperature fluctuation thanks to thermostatically controlled radial fan, optimum cooling air ducting and generously dimensioned heat exchangers
- ▶ Re-cooler reduces the overhead for drying and filtering the generated compressed air
- ▶ Equipped with a star delta circuitry as factory

standard

- ▶ Service-friendly: Easy removal and installation of all components that require maintenance

Electric models

- ▶ Light and compact design with approx. 50 % weight saving and up to 60 cm smaller housing compared to basic models



EasyTRONIC IV control
The smart control and monitoring system



Very quiet



A-K-MAX 31-08



Type	Maximum pressure	Effective delivery volume	Motor output	Noise level	Dimensions (L x W x H)	Connection Thread	Vessel capacity	weight	Art. no.
	bar	l/min	kW	in dB(A) ⁽¹⁾	mm	"	l	kg	
A-K-MAX series - directly coupled screw-type compressors (for floor installation)									
A-K-MAX 5.5-10	10	705	5.5	62	800 x 650 x 860	1/2	–	160	2095204
A-K-MAX 7.5-10	10	1 050	7.5	62	800 x 650 x 860	1/2	–	165	2095404
A-K-MAX 7.5-13	13	700	7.5	62	800 x 650 x 860	1/2	–	165	2095406
A-K-MAX 1108	8	1 700	11	68	1 000 x 700 x 100	3/4	–	230	2095602
A-K-MAX 1110	10	1 550	11	68	1 000 x 700 x 1 000	3/4	–	230	2095604
A-K-MAX 1113	13	1 200	11	68	1 000 x 700 x 1 000	3/4	–	230	2095606
A-K-MAX 1510	10	2 050	15	68	1 000 x 700 x 1 000	3/4	–	250	2095804
A-K-MAX 1513	13	1 700	15	68	1 000 x 700 x 1 000	3/4	–	250	2095806
New A-K-MAX 18.5-10	10	2 600	18.5	62	1 330 x 800 x 1 370	1 1/4	–	526	2096004
A-K-MAX 2208	7.5	3 600	22	58	1 330 x 800 x 1 360	1 1/4	–	430	2096202
New A-K-MAX 31-08	7.5	4 850	30	68	1 590 x 950 x 1 560	1 1/2	–	822	2096312
New A-K-MAX 31-10	10	4 300	30	68	1 590 x 950 x 1 560	1 1/2	–	822	2096314
A-K-MAX 3808	7.5	6 600	37	70	1 590 x 950 x 1 560	1 1/2	–	920	2096402
New A-K-MAX 45-08	7.5	8 200	45	72	1 730 x 1 270 x 1 700	2	–	1 251	2097002
New A-K-MAX 45-10	10	6 700	45	72	1 730 x 1 270 x 1 700	2	–	1 194	2097004
New A-K-MAX 55-08	7.5	10 100	55	72	1 730 x 1 270 x 1 700	2	–	1 251	2097202
New A-K-MAX 55-10	10	8 300	55	72	1 730 x 1 270 x 1 700	2	–	1 251	2097204
New A-K-MAX 55-13	13	6 500	55	72	1 730 x 1 270 x 1 700	2	–	1 251	2097206
New A-K-MAX 75-08	7.5	12 600	75	69	2 300 x 1 450 x 1 970	2	–	2 760	2097402
New A-K-MAX 75-10	10	10 500	75	69	2 300 x 1 450 x 1 970	2	–	2 760	2097404
New A-K-MAX 75-13	13	8 700	75	69	2 300 x 1 450 x 1 970	2	–	2 760	2097406
New A-K-MAX 75E-08	7.5	12 600	75	72	1 700 x 1 250 x 1 700	2	–	1 440	2097412
New A-K-MAX 75E-10	10	10 500	75	72	1 700 x 1 250 x 1 700	2	–	1 440	2097414
New A-K-MAX 75E-13	13	8 700	75	72	1 700 x 1 250 x 1 700	2	–	1 440	2097416
New A-K-MAX 76-08	7.5	13 500	75	67	2 300 x 1 450 x 1 970	2	–	2 795	2097502
New A-K-MAX 76-10	10	11 700	75	67	2 300 x 1 450 x 1 970	2	–	2 795	2097504
New A-K-MAX 76-13	13	9 700	75	67	2 300 x 1 450 x 1 970	2	–	2 795	2097506
New A-K-MAX 90-08	7.5	15 900	90	67	2 300 x 1 450 x 1 970	2	–	2 860	2097802
New A-K-MAX 90-10	10	13 400	90	67	2 300 x 1 450 x 1 970	2	–	2 860	2097804
New A-K-MAX 90-13	13	10 400	90	67	2 300 x 1 450 x 1 970	2	–	2 860	2097806

(1) Sound pressure level at distance of 1 m as per DIN 45635 T 13 · All tanks in AD 2000 version



EasyTRONIC IV control
The smart control and monitoring system



- Flexible oil line
- Maximum safety, even at high temperatures



- Cleaning of intake cooling and inlet air with a pre-filter pad
- For a cleaner interior



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan



A-K-MAX 90-13



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Experience our capability and request individual advice!

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Accessories

Overflow valve (recommended in screw-type compressor operations without pressure vessel)

Art. no.

2099910

A-K-MAX F direct drive screw-type compressor – on compressed air tank, for 100 % load

- ▶ Maintenance free coaxial screw-type air-end with maximum energy efficiency
- ▶ EasyTRONIC IV electronic control with pressure sensor operation prevents motor overload and reduces wear
- ▶ Operating hours counter logs load and post-run times; an automatic message is displayed to indicate that maintenance is due
- ▶ Rotational direction checking for the motor prevents damage during commissioning or after a change of location
- ▶ Excellent cooling performance and low noise level thanks to thermostatically controlled radial fan
- ▶ Optimum operating temperature and low oil temperature fluctuation thanks to thermostatically controlled radial fan, optimum cooling air ducting and generously dimensioned heat exchangers
- ▶ Re-cooler reduces the overhead for drying and filtering the generated compressed air
- ▶ Equipped with a star delta circuitry as factory standard
- ▶ Service-friendly: Easy removal and installation of all components that require maintenance
- ▶ Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration



EasyTRONIC IV control
The smart control and monitoring system



A-K-MAX 7.5-10-270F



A-K-MAX 7.5-10-500F K



Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Con- nection "	Vessel capacity l	weight kg	Art. no.
A-K-MAX series - directly coupled screw-type compressors on vessel									
A-K-MAX 5.5-10-270F	10	705	5.5	62	1280 x 650 x 1540	1/2"	270 l (AD2000)	255	2095224
A-K-MAX 7.5-10-270F	10	1 050	7.5	62	1280 x 650 x 1540	1/2"	270 l (AD2000)	260	2095424
A-K-MAX 7.5-10-500F	10	1 050	7.5	62	2080 x 650 x 1500	1/2"	500 (AD2000)	305	2095434
A-K-MAX 1108-500F	8	1 700	11	68	2000 x 730 x 1700	3/4"	500 (AD2000)	380	2095632
A-K-MAX 1110-500F	10	1 550	11	68	2000 x 730 x 1700	3/4"	500 (AD2000)	380	2095634
A-K-MAX 1113-500F	13	1 200	11	68	2000 x 730 x 1700	3/4"	500 (AD2000)	380	2095636
A-K-MAX 1510-500F	10	2 050	15	68	2000 x 730 x 1700	3/4"	500 (AD2000)	400	2095834
A-K-MAX 1513-500F	13	1 700	15	68	2000 x 730 x 1700	3/4"	500 (AD2000)	400	2095836



Dryer module

- K models with flanged-on refrigerant dryer including automatic condensate drain
- Pressure dew point at 3°C, ambient temperature 25°C

New



A-DUO K-MAX 5.5-10 2x100 K



- Flexible oil line
- Maximum safety, even at high temperatures



- Cleaning of intake cooling and inlet air with a pre-filter pad
- For a cleaner interior



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A)*	Dimensions (L x W x H) mm	Con- nection G	Vessel capacity l	weight kg	Art. no.
A-K-MAX series - directly coupled screw-type compressors on vessel with attached refrigeration dryer									
A-K-MAX 5.5-10-270F K	10	705	5.5	62	1 280 x 650 x 1 540	1/2"	270 l (AD2000)	290	2095264
A-K-MAX 7.5-10-270F K	10	1 050	7.5	62	1 200 x 650 x 1 540	1/2"	270 l (AD2000)	295	2095464
A-K-MAX 7.5-10-500F K	10	1 050	7.5	62	2 000 x 650 x 1 500	1/2"	500 (AD2000)	340	2095474
A-K-MAX 1108-500F K	8	1 700	11	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	422	2095672
A-K-MAX 1110-500F K	10	1 550	11	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	422	2095674
A-K-MAX 1113-500F K	13	1 200	11	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	422	2095676
A-K-MAX 1510-500F K	10	2 050	15	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	442	2095874
A-K-MAX 1513-500F K	13	1 700	15	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	442	2095876
A-DUO K-MAX 5.5-10 2x100	10	705	5.5	62	1 250 x 900 x 1 520	1/2"	2 x 100	235	2095214
A-DUO K-MAX 5.5-10 2x100 K	10	705	5.5	62	1 250 x 900 x 1 520	1/2"	2 x 100	288	2095254
A-DUO K-MAX 5.5-10 2x100 KK	10	705	5.5	62	1 250 x 900 x 1 520	1/2"	2 x 100	295	2095294

BAFA
FEDERAL OFFICE OF ECONOMICS
AND EXPORT CONTROL
* Applies to Germany only

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

A-K-MAX VS direct drive screw-type compressor – for 100 % load – with SpeedTronic frequency control

- Maintenance free coaxial screw-type air-end with maximum energy efficiency
- EasyTRONIC IV electronic control with pressure sensor operation prevents motor overload and reduces wear
- Operating hours counter logs load and post-run times; an automatic message is displayed to indicate that maintenance is due
- Rotational direction checking for the motor prevents damage during commissioning or after a change of location
- Excellent cooling performance and low noise

- level thanks to thermostatically controlled radial fan
- Optimum operating temperature and low oil temperature fluctuation thanks to thermostatically controlled radial fan, optimum cooling air ducting and generously dimensioned heat exchangers
- Re-cooler reduces the overhead for drying and filtering the generated compressed air

- Equipped with a star delta circuitry as factory standard
- Service-friendly: Easy removal and installation of all components that require maintenance

Electric models

- Light and compact design with approx. 50 % weight saving and up to 60 cm smaller housing compared to basic models



EasyTRONIC IV control
The smart control and monitoring system



Very quiet



A-K-MAX 3808 VS

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Connection G	weight kg	Art. no.
A-KMAX-VS series - direct drive screw-type compressors with frequency control and star-delta switch (floor installation)								
A-K-MAX 7.5-08 VS	8	1 300 / 520	7.5	63	800 x 650 x 860	1/2"	175	2095502
A-K-MAX 7.5-10 VS	10	1 100 / 440	7.5	63	800 x 650 x 860	1/2"	175	2095504
A-K-MAX 1108 VS	8	1 700 / 680	11	68	1 000 x 700 x 1 000	3/4"	240	2095702
A-K-MAX 1110 VS	10	1 550 / 620	11	68	1 000 x 700 x 1 000	3/4"	240	2095704
A-K-MAX 1508 VS	8	2 400 / 950	15	68	1 000 x 700 x 1 000	3/4"	260	2095902
A-K-MAX 1510 VS	10	2 100 / 840	15	68	1 000 x 700 x 1 000	3/4"	260	2095904
New A-K-MAX 18.5-08 VS	7.5	3 100 / 1 070	18.5	62	1 330 x 800 x 1 370	1 1/4"	541	2096102
New A-K-MAX 18.5-10 VS	10	2 600 / 930	18.5	62	1 330 x 800 x 1 370	1 1/4"	541	2096104
A-K-MAX 2208 VS	7.5	3 600 / 1 170	22	62	1 330 x 800 x 1 360	1 1/4"	445	2096302
A-K-MAX 2210 VS	10	3 010 / 1 170	22	60	1 330 x 800 x 1 360	1 1/4"	445	2096304
A-K-MAX 2213 VS	13	2 560 / 965	22	60	1 330 x 800 x 1 360	1 1/4"	445	2096306
New A-K-MAX 31-08 VS	7.5	4 850 / 1 985	30	68	1 590 x 950 x 1 560	1 1/2"	845	2096412
New A-K-MAX 31-10 VS	10	4 300 / 1 605	30	68	1 590 x 950 x 1 560	1 1/2"	845	2096414
A-K-MAX 3808 VS	7.5	6 600 / 2 680	37	70	1 590 x 950 x 1 560	1 1/2"	960	2096502
A-K-MAX 3810 VS	10	5 400 / 1 715	37	69	1 590 x 950 x 1 560	1 1/2"	880	2096504
A-K-MAX 3813 VS	13	4 520 / 1 705	37	66	1 590 x 950 x 1 560	1 1/2"	880	2096506
New A-K-MAX 45-08 VS	7.5	8 200 / 3 000	45	72	1 730 x 1 270 x 1 700	2"	1 222	2097102
New A-K-MAX 45-10 VS	10	6 700 / 2 400	45	72	1 730 x 1 270 x 1 700	2"	1 222	2097104
New A-K-MAX 55-08 VS	7.5	10 100 / 3 600	55	72	1 730 x 1 270 x 1 700	2"	1 279	2097302
New A-K-MAX 55-10 VS	10	8 300 / 3 000	55	72	1 730 x 1 270 x 1 700	2"	1 279	2097304
New A-K-MAX 55-13 VS	13	6 500 / 2 300	55	72	1 730 x 1 270 x 1 700	2"	1 279	2097306
New A-K-MAX 75-08 VS	7.5	12 600 / 4 500	75	69	2 300 x 1 450 x 1 970	2"	2 820	2097602
New A-K-MAX 75-10 VS	10	10 500 / 3 800	75	69	2 300 x 1 450 x 1 970	2"	2 820	2097604
New A-K-MAX 75-13 VS	13	8 700 / 3 480	75	69	2 300 x 1 450 x 1 970	2"	2 820	2097606
New A-K-MAX 75E-08 VS	7.5	12 600 / 4 500	75	69	1 700 x 1 250 x 1 700	2"	1 486	2097612
New A-K-MAX 75E-10 VS	10	10 500 / 3 800	75	69	1 700 x 1 250 x 1 700	2"	1 486	2097614
New A-K-MAX 75E-13 VS	13	8 700 / 3 480	75	69	1 700 x 1 250 x 1 700	2"	1 486	2097616
New A-K-MAX 76-08 VS	7.5	13 500 / 4 900	75	67	2 300 x 1 450 x 1 970	2"	2 855	2097702
New A-K-MAX 76-10 VS	10	11 700 / 4 200	75	67	2 300 x 1 450 x 1 970	2"	2 855	2097704
New A-K-MAX 76-13 VS	13	9 690 / 3 500	75	67	2 300 x 1 450 x 1 970	2"	2 855	2097706
New A-K-MAX 90-08 VS	7.5	15 900 / 5 700	90	67	2 300 x 1 450 x 1 970	2"	2 930	2097902
New A-K-MAX 90-10 VS	10	13 400 / 4 800	90	67	2 300 x 1 450 x 1 970	2"	2 930	2097904
New A-K-MAX 90-13 VS	13	10 400 / 3 700	90	67	2 300 x 1 450 x 1 970	2"	2 930	2097906

(1) Sound pressure level at distance of 1 m as per DIN 45635 T 13 - All tanks in AD 2000 version



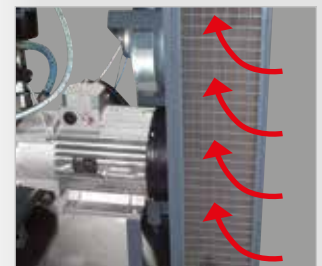
A-K-MAX 90-10 VS



EasyTRONIC IV control
The smart control and monitoring system



- All oil lines are rubber hoses with steel mesh armoring
- This ensures maximum safety, even at high temperatures



- Cleaning of intake cooling and inlet air with a pre-filter pad
- For a cleaner interior



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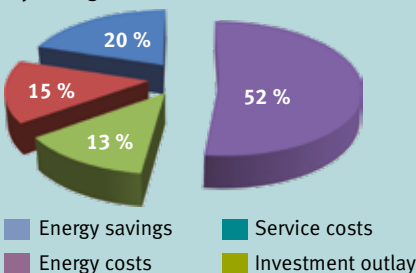
Energy savings thanks to frequency controlled compressors

- ▶ Ideal for frequently changing compressed air consumption
- ▶ The compressor's delivery volume adapts to match the actual consumption

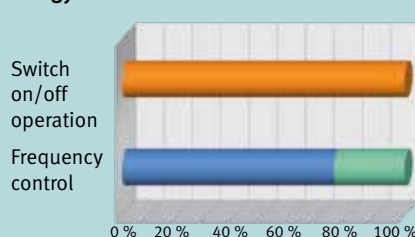
- ▶ Electronic control monitors the motor and compressor speed and keeps the line pressure constant even if the consumption fluctuates heavily

- ▶ Future-proof and efficient technology on a minimal footprint

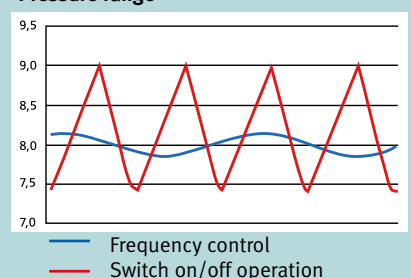
Operating costs



Energy costs



Pressure range



Accessories

Overflow valve (recommended in screw-type compressor operations without pressure vessel)

Art. no.

2099910

A-K-MAX VS direct drive screw-type compressor – on pressure vessel for 100 % load – with SpeedTronic frequency control

- ▶ Maintenance free coaxial screw-type air-end with maximum energy efficiency
- ▶ EasyTRONIC IV electronic control with pressure sensor operation prevents motor overload and reduces wear
- ▶ Operating hours counter logs load and post-run times; an automatic message is displayed to indicate that maintenance is due
- ▶ Rotational direction checking for the motor prevents damage during commissioning or after a change of location
- ▶ Excellent cooling performance and low noise level thanks to thermostatically controlled radial fan
- ▶ Optimum operating temperature and low oil temperature fluctuation thanks to thermostatically controlled radial fan, optimum cooling air ducting and generously dimensioned heat exchangers
- ▶ Re-cooler reduces the overhead for drying and filtering the generated compressed air
- ▶ Equipped with a star delta circuitry as factory standard
- ▶ Service-friendly: Easy removal and installation of all components that require maintenance
- ▶ Permanent protection against corrosion thanks to hot-dip galvanised vessel - 15-year guarantee against corrosion penetration



EasyTRONIC IV control
The smart control and monitoring system



A-KMAX 1510-500 VS



Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW PS	Noise level in dB(A) ⁽¹⁾	Dimensions (L x W x H) mm	Con- nection G	Vessel capacity l	weight kg	Art. no.
A-KMAX-500 VS series - directly coupled screw-type compressors with frequency control on vessel and star-delta switch									
A-K-MAX 7.5-08-270 VS	8	1 300 / 520	7.5 10	63	1 200 x 650 x 1 540	1/2"	270 (AD2000)	270	2095522
A-K-MAX 7.5-10-270 VS	10	1 100 / 440	7.5 10	63	1 200 x 650 x 1 540	1/2"	270 (AD2000)	270	2095524
A-K-MAX 1108-500 VS	8	1 700 / 680	11 15	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	390	2095732
A-K-MAX 1110-500 VS	10	1 550 / 620	11 15	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	390	2095734
A-K-MAX 1508-500 VS	8	2 400 / 950	15 20	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	410	2095932
A-K-MAX 1510-500 VS	10	2 100 / 840	15 20	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	410	2095934
A-KMAX- 500 KVS series - directly coupled screw-type compressors with frequency control and refrigeration dryer attached to vessel									
A-K-MAX 7.5-08-270 KVS	8	1 300 / 520	7.5 10	63	1 200 x 650 x 1 540	1/2"	270 (AD2000)	305	2095562
A-K-MAX 7.5-10-270 KVS	10	1 100 / 440	7.5 10	63	1 200 x 650 x 1 540	1/2"	270 (AD2000)	305	2095564
A-K-MAX 1108-500 KVS	8	1 700 / 680	11 15	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	432	2095772
A-K-MAX 1110-500 KVS	10	1 550 / 620	11 15	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	432	2095774
A-K-MAX 1508-500 KVS	8	2 400 / 950	15 20	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	452	2095972
A-K-MAX 1510-500 KVS	10	2 100 / 840	15 20	68	2 000 x 730 x 1 700	3/4"	500 (AD2000)	452	2095974

- K models with flanged-on refrigerant dryer including automatic condensate drain
- Pressure dew point at 3 °C, ambient temperature 25 °C



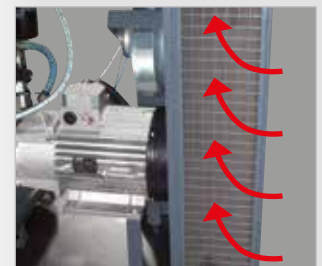
A-K-MAX 1508-500 VS K



EasyTRONIC IV control
The smart control and monitoring system



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- Cleaning of intake cooling and inlet air with a pre-filter pad
- For a cleaner interior



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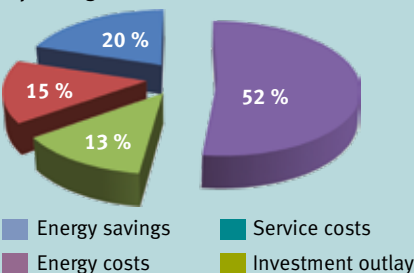
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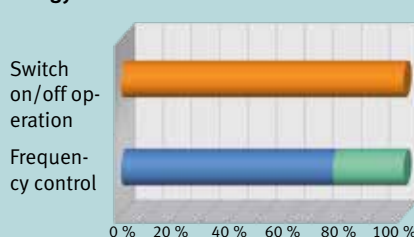
Energy savings thanks to frequency controlled compressors

- Ideal for frequently changing compressed air consumption
- The compressor's delivery volume adapts to match the actual consumption

Operating costs

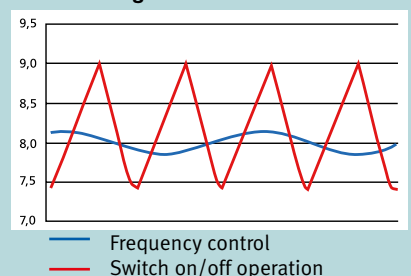


Energy costs



- Future-proof and efficient technology on a minimal footprint

Pressure range



Accessories

Overflow valve (recommended in screw-type compressor operations without pressure vessel)

Art. no.

2099910

Regular maintenance A-K-MAX series 5.5 – 15 kW



		Maintenance after 2 000 hours (or annually) for mineral oil	Maintenance after 4 000 hours (or annually) for synthetic oil	Maintenance after 8 000 hours for mineral oil/synthetic oil
		· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Prefilter · 1 Prefilter for switch cabinet (VS models only)		· KIT A · 1 Solenoid valve
A-K-MAX 5.5-15 kW	Commodity group	KIT A		KIT B
A-K-MAX 5.5-10	285	0260KTB15E		0260KTE32E
A-K-MAX 5.5-13	285			
A-K-MAX 7.5-10	285			
A-K-MAX 7.5-13	285	0260KTB16E		0260KTE33E
A-K-MAX 11-08	285			
A-K-MAX 11-10	285			
A-K-MAX 11-13	285			
A-K-MAX 15-10	285	0260KTB17E		0260KTE36E
A-K-MAX 15-13	285			
K-MAX 7.5-08 VS	285	0260KTB18E		0260KTE37E
K-MAX 7.5-10 VS	285			
K-MAX 11-08 VS	285	0260KTB79E		0260KTE1DE
K-MAX 11-10 VS	285			
K-MAX 15-08 VS	285			
K-MAX 15-10 VS	285			

Designation	Art. no.	Designation	Art. no.
LLK-B 5.5-7.5 K	0260KTB15E	LLK-E 5.5-7.5 K	0260KTE32E
LLK-B 11-15 K	0260KTB16E	LLK-E 11-15 K	0260KTE33E
LLK-B 7.5 VS K	0260KTB17E	LLK-E 7.5 VS K	0260KTE36E
LLK-B 11 VS K	0260KTB18E	LLK-E 11 VS K	0260KTE37E
Maintenance kit K-MAX 15-08/10 VS	0260KTB79E	Maintenance kit K-MAX 15-08/10 VS	0260KTE1DE



Individual components A-K-MAX series 5.5 – 15 kW

		Consumables	4 000 h	8 000 h	20 000 h	
		· Air filter	· Intake regulator kit	· Minimum pressure valve	· Air-end kit	· Air-end
A-K-MAX 5.5-15 kW	Com- modity group		4 000 h	8 000 h	20 000 h	
A-K-MAX 5.5-10	285	0017092000	0260260050	0347111000SGL	0230300200	05303000705
A-K-MAX 5.5-13	285					05303000210
A-K-MAX 7.5-10	285					05303000705
A-K-MAX 7.5-13	285					05304000451
A-K-MAX 11-08	285	0017093000		0347149010SGL	0230400201	05304000461
A-K-MAX 11-10	285					05304000510
A-K-MAX 11-13	285					05304000401
A-K-MAX 15-10	285					05304000461
A-K-MAX 15-13	285					
K-MAX 7.5-08 VS	285	0017092000		0347111000SGL	0230300200	05303000210
K-MAX 7.5-10 VS	285					
K-MAX 11-08 VS	285	017093000		0347149010SGL	0230400200	05304000510
K-MAX 11-10 VS	285					
K-MAX 15-08 VS	285					
K-MAX 15-10 VS	285					

Designation	Art. no.	Designation	Art. no.
Air filter 5.5-10 – 7.5-13	0017092000	Air-end kit	0230400200
Air filter 11-08 – 15-13	0017093000	Air-end FS 26 TFC	05303000210
Minimum pressure valve 5.5-10 – 7.5-13	0347111000SGL	Air-end FS 26 TFC20	05303000705
Minimum pressure valve 11-08 – 15-13	0347149010SGL	Air-end	05304000451
Repair KIT IR 10DC/30DC/30	0260260050	Air-end FS50 TFC20	05304000461
Air-end kit	0230300200	Air-end	05304000510
Air-end kit	0230400201	Compressor stage FS 50 TFC + BOX	05304000401



Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	0600000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	0600000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	0600000022

Screw-type compressor maintenance

Art. no.: MAINTSCREW
295.00 € plus VAT

Contact: +49 (0)951 96 555-501
kompressoren@stuermer-maschinen.de



Regular maintenance A-K-MAX series 18.5 – 90 kW



		Maintenance after 2 000 hours (or annually) for mineral oil	Maintenance after 4 000 hours (or annually) for synthetic oil	Maintenance after 8 000 hours for mineral oil/synthetic oil
		· 1 Air filter cartridge · 1 Secondary air filter insert · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve (if present) · 1 Prefilter		· KIT A · 1 Solenoid valve
A-K-MAX 18.5 – 90 kW	Commod- ity group	KIT A		KIT B
A-K-MAX 18.5-10	285	0260KTB61E		0260KTE7AE
A-K-MAX 22-08	285			
A-K-MAX 31-08	285			
A-K-MAX 31-10	285	0260KTB62E		0260KTE8AE
A-K-MAX 38-08	285			
A-K-MAX 45-08	285			
A-K-MAX 45-10	285			
A-K-MAX 55-08	285	0260KTB90E		0260KTC15E
A-K-MAX 55-10	285			
A-K-MAX 55-13	285			
A-K-MAX 75-08	285			
A-K-MAX 75-10	285	0260KTB96E		0260KTC16E
A-K-MAX 75-13	285			
A-K-MAX 75E-08	285			
A-K-MAX 75E-10	285	0260KTB98E		0260KTE2SE
A-K-MAX 75E-13	285			
A-K-MAX 76-08	285			
A-K-MAX 76-10	285			
A-K-MAX 76-13	285			
A-K-MAX 90-08	285	0260KTB94E		0260KTC17E
A-K-MAX 90-10	285			
A-K-MAX 90-13	285			

Designation	Art. no.	Designation	Art. no.
LLK-B 22 K 8B	0260KTB61E	Maintenance kit B K-MAX 75E-08/10/13	0260KTE2SE
LLK-B 38 K 8B	0260KTB62E	Maintenance kit K-MAX 76 & 90-08/10/13	0260KTE7AE
Maintenance kit K-MAX 45-08/10 / 55-08/10/13	0260KTB90E	LLK-E 31 K	0260KTE8AE
Maintenance kit K-MAX 76 & 90-08/10/13	0260KTB94E	Maintenance kit K-MAX 45-08/10 / 55-08/10/13	0260KTC15E
Maintenance kit K-MAX 75-08/10/13	0260KTB96E	Maintenance kit K-MAX 75-08/10/13	0260KTC16E
Maintenance kit A K-MAX 75E-08/10/13	0260KTB98E	Maintenance kit K-MAX 76 & 90-08/10/13	0260KTC17E



Individual components A-K-MAX series 18.5 – 90 kW

		Consumables	Maintenance after 8 000 hours					Maintenance after 24 000 hours		
		· Air filter (primary & secondary)	· Intake regulator kit	· Air-end O-ring	· Elastic joint	· Minimum pressure valve kit	· Thermostat valve kit	· Air-end kit	· Air-end	
A-K-MAX 18.5-90 kW	Commodity group		8 000 h					24 000 h		
A-K-MAX 18.5-10	285	0017083000 0017083001	0419253010	n.a.	05390019	0247150000	n.a.	0230800200	05308000110	
A-K-MAX 22-08	285			05505081				0230710200	05307400000SGL	
A-K-MAX 31-08	285		0419265010	n.a.	0213500030	05120065V17SGL				
A-K-MAX 31-10	285			05390019						
A-K-MAX 38-08	285	n.a.		0213500030						
A-K-MAX 45-08	285	05390017								
A-K-MAX 45-10	285	n.a.								
A-K-MAX 55-08	285	05390013								
A-K-MAX 55-10	285	n.a.		05501507	05501002	05120092V17SGL				
A-K-MAX 55-13	285									
A-K-MAX 75-08	285									
A-K-MAX 75-10	285									
A-K-MAX 75-13	285	05480040 05480023	n.a.	05501507	05501002		n.a.	05120082V17 05307510000V17 05307500000V17 05120096V17 05120120V17 05120055V17		
A-K-MAX 75E-08	285									
A-K-MAX 75E-10	285									
A-K-MAX 75E-13	285									
A-K-MAX 76-08	285	05480024 05480041	05500578 05500577	05390014	05501507	05501002			n.a.	05120082V17 05307510000V17 05307500000V17 05120096V17 05120120V17 05120055V17
A-K-MAX 76-10	285									
A-K-MAX 76-13	285									
A-K-MAX 90-08	285									
A-K-MAX 90-10	285									
A-K-MAX 90-13	285									

Designation	Art. no.	Designation	Art. no.
Air filter 18.5-10 – 38-08	Primary: 0017083000 Secondary: 0017083001	Minimum pressure valve kit	0247150000
Air filter 45-08 – 55-13	Primary: 0017067001 Secondary: n.a.	Minimum pressure holding valve set G 401	0213500030
Air filters 75-08 – 75E-13	Primary: 05480040 Secondary: 05480023	Minimum pressure valve kit	05501507
Air filter 76-08 – 90-13	Primary: 05480024 Secondary: 05480041	Thermostat valve kit	05501002
Intake regulator IR 60, 70	0419253010	Air-end kit	0230800200
Repair KIT IR 100	0419265010	Air-end kit	0230710200
Intake regulator kit	05500577	Verdichter FS130	05308000110
Repair KIT IR B90/115/140	05500578	Air-end	05307400000SGL
Air-end O-ring	05505081	Air-end	05120065V17SGL
Elastic joint	05390019	Air-end	05120092V17SGL
Elastic joint	05390017	Air-end	05120082SGL
Elastic joint	05390013	Air-end	05307510000V17
Elastic joint	05390014	Air-end	05307500000V17
		Air-end	05120096V17
		Air-end	05120120V17
		Air-end	05120055V17



Regular maintenance A-K-MAX series 18.5 – 90 kW

	Maintenance after 2 000 hours (or annually) for mineral oil	Maintenance after 4 000 hours (or annually) for synthetic oil	Maintenance after 8 000 hours for mineral oil/synthetic oil
	· 1 Air filter cartridge · 1 Secondary air filter insert · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve (if present) · 1 Prefilter for switch cabinet (VS models only) · 1 Prefilter		· KIT B · 1 Solenoid valve

A-K-MAX VS 18.5-90 kW	Commodity group	KIT B	KIT E
A-K-MAX 18.5-08 VS	285	0260KTB63E	0260KTE9AE
A-K-MAX 18.5-10 VS	285		
A-K-MAX 22-08 VS	285		
A-K-MAX 22-10 VS	285		
A-K-MAX 22-13 VS	285	0260KTB64E	0260KTE1BE
A-K-MAX 31-08 VS	285		
A-K-MAX 31-10 VS	285		
A-K-MAX 38-08 VS	285		
A-K-MAX 38-10 VS	285	0260KTB91E	0260KTC18E
A-K-MAX 38-13 VS	285		
A-K-MAX 45-08 VS	285		
A-K-MAX 45-10 VS	285		
A-K-MAX 55-08 VS	285	0260KTB97E	0260KTC19E
A-K-MAX 55-10 VS	285		
A-K-MAX 55-13 VS	285		
A-K-MAX 75-08 VS	285		
A-K-MAX 75-10 VS	285	0260KTB99E	0260KTE2TE
A-K-MAX 75-13 VS	285		
A-K-MAX 75E-08 VS	285		
A-K-MAX 75E-10 VS	285		
A-K-MAX 75E-13 VS	285	0260KTB95E	0260KTC20E
A-K-MAX 76-08 VS	285		
A-K-MAX 76-10 VS	285		
A-K-MAX 76-13 VS	285		
A-K-MAX 90-08 VS	285		
A-K-MAX 90-10 VS	285		
A-K-MAX 90-13 VS	285		

Designation	Art. no.		Designation	Art. no.	
LLK-B 22 VS K	0260KTB63E		LLK-E 22 VS K	0260KTE9AE	
LLK-B 38 VS K	0260KTB64E		LLK-E 38 VS K	0260KTE1BE	
Maintenance kit B K-MAX 45-08/10 VS	0260KTB91E		Maintenance kit E K-MAX 45-08/10 VS	0260KTC18E	
Maintenance kit B K-MAX 75-08/10/13 VS	0260KTB97E		Maintenance kit E K-MAX 75-08/10/13 VS	0260KTC19E	
Maintenance kit B K-MAX 75E-08/10/13 VS	0260KTB99E		Maintenance kit E K-MAX 75E-08/10/13 VS	0260KTE2TE	
Maintenance kit B K-MAX 76-08/10/13 VS	0260KTB95E		Maintenance kit E K-MAX 76-08/10/13 VS	0260KTC20E	



Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	0600000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	0600000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	0600000022

Screw-type compressor maintenance

Art. no.: MAINTSCREW

295.00 € plus VAT

Contact: +49 (0)951 96 555-501

kompressoren@stuermer-maschinen.de





Individual components A-K-MAX VS series 18.5-90 kW

		Consumables	Maintenance after 8 000 hours				Maintenance after 24 000 hours	
		· Prefilter (primary & secondary)	· Intake regulator kit	· Elastic joint	· Minimum pressure valve kit.	· Thermostat valve kit	· Air-end kit	· Air-end
A-K-MAX 18.5-90 kW	Commodity group		8 000 h				24 000 h	
K-MAX 18.5-08 VS	285	0017083000 0017083001	0419253010	05390019	0247150000	n.a.	0230800200	05308000110
K-MAX 18.5-10 VS	285			n.a.				
K-MAX 22-08 VS	285			05390019				
K-MAX 22-10 VS	285		0419265010	n.a.	0213500030		n.a.	05120065V17SGL 05120092V17SGL 05120065V17SGL 05120092V17SGL 05120083V17 05120120V17 05120083V17
K-MAX 22-13 VS	285			n.a.				
K-MAX 31-08 VS	285			05390019				
K-MAX 31-10 VS	285			05390017				
K-MAX 38-08 VS	285			n.a.				
K-MAX 38-10 VS	285			05390013				
K-MAX 38-13 VS	285			05480024 05480041				
K-MAX 45-08 VS	285							
K-MAX 45-10 VS	285							
K-MAX 55-08 VS	285							
K-MAX 55-10 VS	285							
K-MAX 55-13 VS	285							
K-MAX 75E-08 VS	285							
K-MAX 75E-10 VS	285							
K-MAX 75E-13 VS	285							
K-MAX 75-08 VS	285							
K-MAX 75-10 VS	285							
K-MAX 75-13 VS	285							
K-MAX 76-08 VS	285							
K-MAX 76-10 VS	285							
K-MAX 76-13 VS	285							
K-MAX 90-08 VS	285							
K-MAX 90-10 VS	285							
K-MAX 90-13 VS	285							

Designation	Art. no.	Designation	Art. no.
Air filter 18.5-08VS – 38-13 VS	Primary: 0017083000 Secondary: 0017083001	Elastic joint	05390014
Air filter 45-08VS – 55-13 VS	Primary: 0017067001 Secondary: n.a.	Minimum pressure valve kit	0247150000
Air filter 75E-08 VS – 75-13 VS	Primary: 05480040 Secondary: 05480023	Set of minimum pressure holding valves G 401	0213500030
Air filter 76-10VS – 90-13 VS	Primary: 05480024 Secondary: 05480041	Minimum pressure valve kit	05501507
Intake regulator kit IR 60, 70	0419253010	Thermostat valve kit	05501002
Intake regulator kit IR 100	0419265010	Air-end kit	0230800200
Intake regulator kit	05500577	Compressor stage FS 100	05308000110
Repair KIT IR RB90/115/140	05500578	Air-end	05120065V17SGL
Elastic joint	05390019	Air-end	05120092V17SGL
Elastic joint	05390017	Air-end	05120083SGL
Elastic joint	05390013	Air-end	05120120SGL

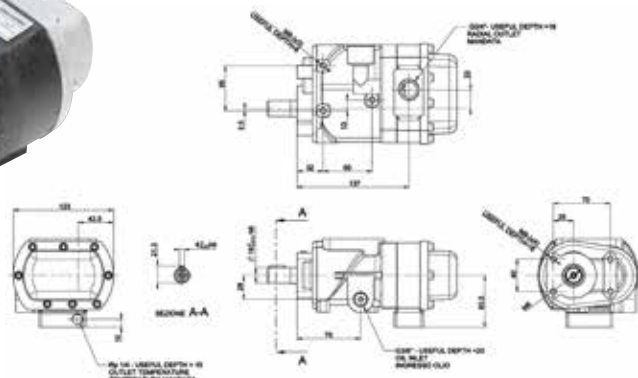
Accessories	Com. grp.	Art. no.
① Mineral oil ROTAR ECOFLUID 46 3.8 l	285	0600000020
② Mineral oil ROTAR ECOFLUID 46 20 l	285	0600000021
③ Mineral oil ROTAR ECOFLUID 46 200 l barrel	285	0600000022



Power units for direct or belt drive

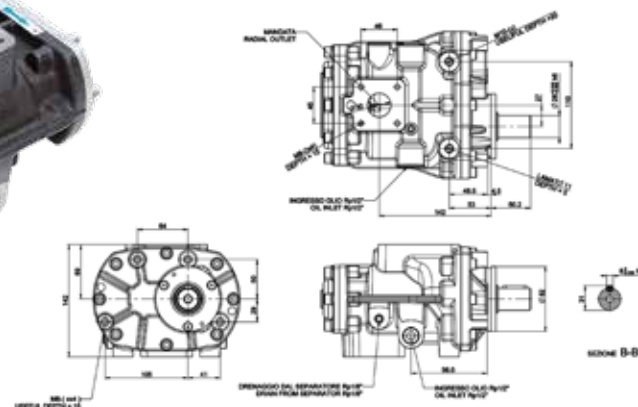
FS 14 Power unit

Type	FS 14
Art. no.	05305100110
Technical specifications	
Maximum pressure	15 bar
Motor Power	2.2 - 5.5 kW
Rotational speed	2 600 – 6 800 rpm
weight	7.2 kg



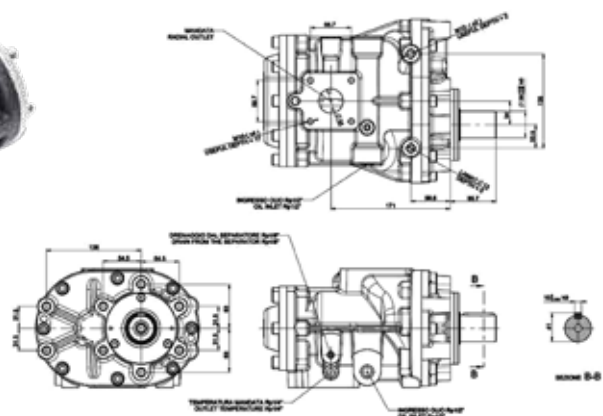
FS 26 Power unit

Type	FS 26
Art. no.	05303000110
Technical specifications	
Maximum pressure	15 bar
Motor Power	5.5 - 15 kW
Rotational speed	520 – 1 300 rpm
weight	15 kg



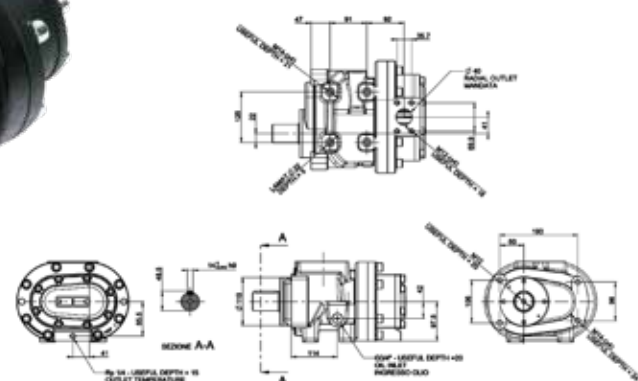
FS 50 TF Power unit

Type	FS 50 TF
Art. no.	05304000110
Technical specifications	
Maximum pressure	15 bar
Motor Power	11 - 30 kW
Rotational speed	2 100 – 5 300 rpm
weight	36 kg



FS 100 Power unit

Type	FS 100
Art. no.	05308000110
Technical specifications	
Maximum pressure	15 bar
Motor Power	22 - 37 kW
Rotational speed	2 500 – 6 500 rpm
weight	57 kg



IR 8 + OR3212 (FS14) – Intake regulator for FS 14

Type	IR 8 + OR3212
Art. no.	0460J00000

Technical specifications	
Maximum pressure	15 bar
Motor Power	2.2 - 4 kW
Operating temperature	-10 – 120 °C
weight	0.3 kg



IR10 DC + E.V. 5,5-24VAC (FS14) – Intake regulator for FS 14 with solenoid valve

Type	IR10 DC + E.V. 5.5-24VAC
Art. no.	0419250005

Technical specif.	
Maximum pressure	15 bar
Motor Power	2.2 - 7.5 kW
Operating temperature	-10 – 120 °C
weight	0.3 kg



IR10 DC + RACC. + EV24 VAC (FS26) – Intake regulator for FS 26 with solenoid valve

Type	IR10 DC + RACC. + EV24 VAC
Art. no.	0419261020

Technical specifications	
Maximum pressure	15 bar
Motor Power	4 - 7.5 kW
Operating temperature	-10 – 120 °C
weight	0.6 kg



IR30 DC + RACC. + EV24 VAC (FS50) – Intake regulator for FS 50 with solenoid valve

Type	IR30 DC + RACC. + EV24 VAC
Art. no.	0419260020

Technical specif.	
Maximum pressure	15 bar
Motor Power	11 - 22 kW
Operating temperature	-10 – 120 °C
weight	0.6 kg



IR 60 + E.V. 24 VAC (FS100) – Intake regulator for FS 100 with solenoid valve

Type	IR 60 + E.V. 24 VAC
Art. no.	0319253000

Technical specifications	
Maximum pressure	15 bar
Motor Power	22 - 45 kW
Operating temperature	-10 – 120 °C
weight	3.1 kg



IR 70 + E.V. 24 VAC – Intake regulator with solenoid valve

Type	IR 70 + E.V. 24 VAC
Art. no.	0319266010

Technical specifications	
Maximum pressure	15 bar
Motor Power	22 - 55 kW
Operating temperature	-10 – 120 °C
weight	3.2 kg



IR 100 + E.V. 24 VAC – Intake regulator with solenoid valve

Type	IR 100 + E.V. 24 VAC
Art. no.	04192650009SGL

Technical specifications	
Maximum pressure	15 bar
Motor Power	37 - 75 kW
Operating temperature	-10 – 120 °C
weight	5.1 kg



MB 10 – Separator block incl. oil filter, oil separator filter and minimal pressure valve

Type	MB 10
Art. no.	0451J00045

Technical specifications	
Maximum pressure	15 bar
Motor Power	2.2 - 5 kW
Oil nipple size	3/4" – 16 UNF
Air nipple size	M 22 x 1.5 mm



MB 20 – Separator block incl. oil filter, oil separator filter and minimal pressure valve

Type	MB 20
Art. no.	0451J00046

Technical specifications	
Maximum pressure	15 bar
Motor Power	7.5 - 15 kW
Oil nipple size	3/4" – 16 UNF
Air nipple size	M 24 x 1.5 mm



SB 10 1/2" – Oil separator block with minimum pressure valve

Type	SB 10 1/2"
Art. no.	0451P00012

Technical specifications	
Maximum pressure	15 bar
Motor Power	2.2 - 7.5 kW
Air nipple size	M 22 x 1.5 mm



SB 20 3/4" – Oil separator block with minimum pressure valve

Type	SB 20 3/4"
Art. no.	0460FG0052

Technical specifications	
Maximum pressure	15 bar
Motor Power	7.5 - 15 kW
Air nipple size	M 24 x 1.5 mm



SB 50 1-1/4" – Oil separator block with minimum pressure valve

Type	SB 10 1/2"
Art. no.	0460152000

Technical specifications	
Maximum pressure	15 bar
Motor Power	18.5 - 37 kW
Air nipple size	M 39 x 1.5 mm

