

firstAIR

Compressors! No compromises.

FAS SERIES

Screw Air Compressor Range



About firstAir

firstAir offers air-cooled screw compressors in the power range from 3 to 90 kW at an operating pressure of 8 and 10 bar(g).

The compressors are designed for industrial use and show their strength in continuous operation. Equipped with drive motors of energy efficiency class IE3, economical operation is guaranteed. In addition, firstAir also offers systems with energy-saving speed control.

The standard systems of the FAS series can also be expanded:

- ▶ Air receiver (11 bar) & Refrigeration dryer ▶ Pre- and afterfiltering ▶ Condensate drain



FAS 3-45



FAS SC 7-45



FAS AT 3-15



FAS (SC) 55-90

For the FAS series, compressor airends with above-average performance have been developed, designed and produced which, in combination with our high-quality thermostatic valves, suction regulators and separators, contribute to the reliability and longevity of the product. Our highly efficient compressor stages in combination with IE3 electric motors enable the screw compressors to achieve a high technological standard and high efficiency.

firstAir FAS - Features & Benefits



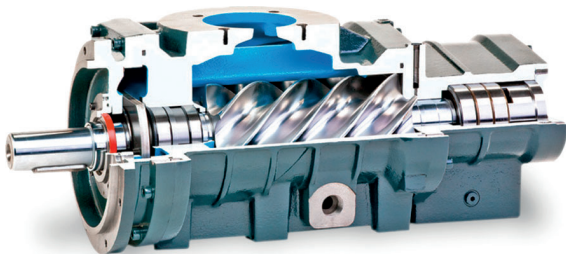
- Compact and accessible design
- Reliable EUCOMP airend technology
- IE3 premium efficiency drive
- Optimum belt tension
- Generous designed aluminium cooler



- Small footprint + easy to install and maintain
- Proven technology with high volume flow
- Developed for high loads
- Low speed operation
- Ambient temperatures up to 45°C



- Quick installation and low service costs
- High reliability for demanding industries
- Durable and energy cost saving operation
- Long lifetime
- Risk free operation



EXCELLENT QUALITY

The selection of high-quality components combined with decades of experience in the construction of compressor stages ensures a long service life with consistently high efficiency.

CONTROL

With the intelligent compressor control, you have full control over the operating status: maintenance indicator, low ambient temperature warning and fault indication.

The control also features fully automatic full load, idle and intermittent control as well as remote on/off and direction control.



5 YEARS OF WARRANTY

We trust in the quality of our products and therefore offer you more than the legal warranty requires - 5 years of carefreeness with firstCAir.

FAS

firstAir screw compressors with fixed speed. FAS series is available ex works as 10 bar version.

Machine Model		3	4	6	7	11	15	18	22	30	37	45	55	75	90		
Cooling Type		Air-cooled															
Transmission method		Belt drive											Direct drive				
Liefermenge	8 bar	m ³ /min	0.36	0.52	0.76	1.15	1.74	2.11	2.98	3.62	5.20	5.94	7.60	9.60	13.00	15.20	
	10 bar	m ³ /min	0.32	0.47	0.70	1.05	1.52	1.98	2.67	3.25	4.57	5.10	6.90	8.80	11.70	13.60	
Power		kW	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	
Noise level		dBA	65 ± 3		66 ± 3		67 ± 3		68 ± 3		70 ± 3		72 ± 3		75 ± 3		
Starting method		Typ	Stern/Dreieck														
Voltage/Frequency		V/Hz	380/400/415V, 50Hz										380/400/415V, 50Hz				
Protection Level		Klasse	IP55														
Insulation Class		Typ	F														
Drive Motor Efficiency		Typ	IE 3														
Discharge temperature		°C	Umgebungstemperatur +15														
Air Outlet			G1/2	G1/2	G1/2	G3/4	G3/4	G3/4	G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2	G2	G2	G2	
Configuration parameters	Standard type FAS	Length	mm	660	660	660	800	830	830	1050	1050	1000	1000	1400	2250	2250	2250
		Width	mm	600	600	600	800	880	880	880	880	1250	1250	1100	1344	1344	1344
		Height	mm	890	890	890	995	1075	1075	1260	1260	1310	1310	1600	1694	1694	1694
		Weight	kg	220	230	240	280	300	400	500	570	850	880	1080	2150	2250	2450
		Connection outlet		G1/2	G1/2	G1/2	G3/4	G3/4	G3/4	G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2	G2	G2	G2
	Air receiver + dryer model FAS-AT	Length	liter	200	200	200	270	500	270	500	270	500					
		Width	mm	1500	1500	1500	1500	2000	1500	2000	1500	2000					
		Height	mm	700	700	700	900	900	900	900	900	900					
		Weight	mm	1550	1550	1550	1800	1800	1900	1900	1900	1900					
		Connection outlet	kg	425	435	445	560	605	580	625	680	725					
DL-Anschluss			G1/2	G1/2	G1/2	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4						

The data and performance were recorded in accordance with standard ISO Annex C 1217 – The sound level was measured in accordance with PNEUROP/CAGI standard.

FAS SC

screw compressors with energy saving speed control.

Machine Model FAS SC			7	11	15	22	30	37	45	55	75	90
FAD	8 bar	m³/min	0.46	0.70	0.84	1.45	2.08	2.38	3.04	3.84	5.20	6.08
			-	-	-	-	-	-	-	-	-	-
	10 bar	m³/min	1.15	1.74	2.11	3.62	5.20	5.94	7.60	9.60	13.00	15.20
			0.42	0.61	0.79	1.30	1.83	2.04	2.76	3.52	4.68	5.44
	13 bar	m³/min	-	-	-	-	-	-	-	-	-	-
			1.05	1.52	1.98	3.25	4.57	5.10	6.90	8.80	11.70	13.60
13 bar	m³/min	0.33	0.49	0.63	1.06	1.51	1.70	-				
		-	-	-	-	-	-					
Drive type			Belt drive							Direct drive		
Electrical motor	Power	kW	7,5	11	15	22	30	37	45	55	75	90
	Starting method	Typ	Inverter									
	Voltage / Frequency	V/Hz	380/400/415V, 50Hz									
Noise level		dBA	68 ± 3	68 ± 3	70 ± 3	70 ± 3	72 ± 3	72 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Discharge temperature		°C	Ambient temperature + 15									
Connection outlet			G3/4	G3/4	G3/4	G1 1/4	G1 1/2	G1 1/2	G2	G2	G2	G2
Dimensions	Length (mm)	(mm)	880	880	960	1140	1000	1000	1400	2250	2250	2250
	Width (mm)	(mm)	880	880	880	880	1250	1250	1100	1344	1344	1344
	Height (mm)	(mm)	1075	1075	1075	1260	1310	1310	1600	1694	1694	1694
	Weight (kg)	(kg)	300	320	425	600	900	930	1120	2220	2350	2520

The data and performance were recorded in accordance with standard ISO 1217 Annex C – The sound level was measured in accordance with PNEURO/PCAGI standard.



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Errors and omissions excepted.

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