



## Efficiency inclusive: Frequency controlled screw compressors

Effective f.a.d.: 0.39 – 3.45 m<sup>3</sup>/min, 14 – 122 cfm  
Pressure range: 5 – 13 bar, 70 – 190 psig  
Rated power: 11 – 22 kW, 15 – 30 HP



# Small footprint, flexible installation, competitive price



Adapting the amount of the free air delivered by continuous control of the motor speed is the most economical operating method where demand for compressed air fluctuates considerably and where the stored volume is only small or when operating as peak load compressor.

## Advantages of the frequency control

- Smooth starting and stopping within seconds
- Continuous volume flow control from 25 to 100%
- Flexible adaptation of free air delivery
- Reduced costs for wearing parts and maintenance
- No start-up current peaks (Energy saving!)
- Constant net pressure +/- 0.1 bar (Energy saving!)
- Almost no idle operation (Energy saving!)



The SF 24 is available in 8, 10 and 13 bar pressure ranges. The inverter allows continuous flow regulation between 25% and 100% capacity.

**The frequency converter, electrical cabinet and controller are integrated into the cabinet in a space saving manner.**

The highly efficient RATIO control is a standard feature in the SF series. The respective operating conditions of the machine are displayed clearly and precisely in the LCD display.

**The SF and SDF series can be easily and successfully integrated into any existing compressed air installation.**

Type	Max. pressure		Effective free air delivery*		Motor power		Dimensions in mm	Weight kg
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP	W x H x D	
SF 15-2	8	115	0.49-1.65	17- 58	11	15	940 x 700 x 1180	255
SF 15-2	10	150	0.39-1.45	14- 51	11	15	940 x 700 x 1180	255
SF 15-2	13	190	0.39-1.25	14- 44	11	15	940 x 700 x 1180	255
SDF 15-2	8	115	0.49-1.65	17- 58	11	15	975 x 700 x 1470	295
SDF 15-2	10	150	0.39-1.45	14- 51	11	15	975 x 700 x 1470	295
SDF 15-2	13	190	0.39-1.25	14- 44	11	15	975 x 700 x 1470	295
SF 24-2	8	115	0.85-3.05	30-108	18.5	25	1200 x 850 x 1403	387
SF 24-2	10	150	0.63-2.66	22- 94	18.5	25	1200 x 850 x 1403	387
SF 24-2	13	190	0.44-2.26	16- 80	18.5	25	1200 x 850 x 1403	387
SDF 24-2	8	115	0.85-3.05	30-108	18.5	25	1227 x 850 x 1750	450
SDF 24-2	10	150	0.63-2.66	22- 94	18.5	25	1227 x 850 x 1750	450
SDF 24-2	13	190	0.44-2.26	16- 80	18.5	25	1227 x 850 x 1750	450
SF 29-2	8	115	1.02-3.45	36-122	22	30	1200 x 850 x 1403	387
SF 29-2	10	150	0.88-3.11	31-110	22	30	1200 x 850 x 1403	387
SF 29-2	13	190	0.71-2.57	25- 91	22	30	1200 x 850 x 1403	387
SDF 29-2	8	115	1.02-3.45	36-122	22	30	1227 x 850 x 1750	450
SDF 29-2	10	150	0.88-3.11	31-110	22	30	1227 x 850 x 1750	450
SDF 29-2	13	190	0.71-2.57	25- 91	22	30	1227 x 850 x 1750	450

\* Free air delivery for complete installation in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure.

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