

F-DRIVE

Vertical efficiency for the smallest footprint



Application

Industry

Power output

5.5 - 37 kW

Volume flow acc. to ISO 1217
(Annex C-2009)

0.27 - 6.98 m³/min

Operating pressure

5 - 13 bar

Cooling

Air-cooled

Drive

Direct and speed-controlled

Motor

Permanent magnet motor

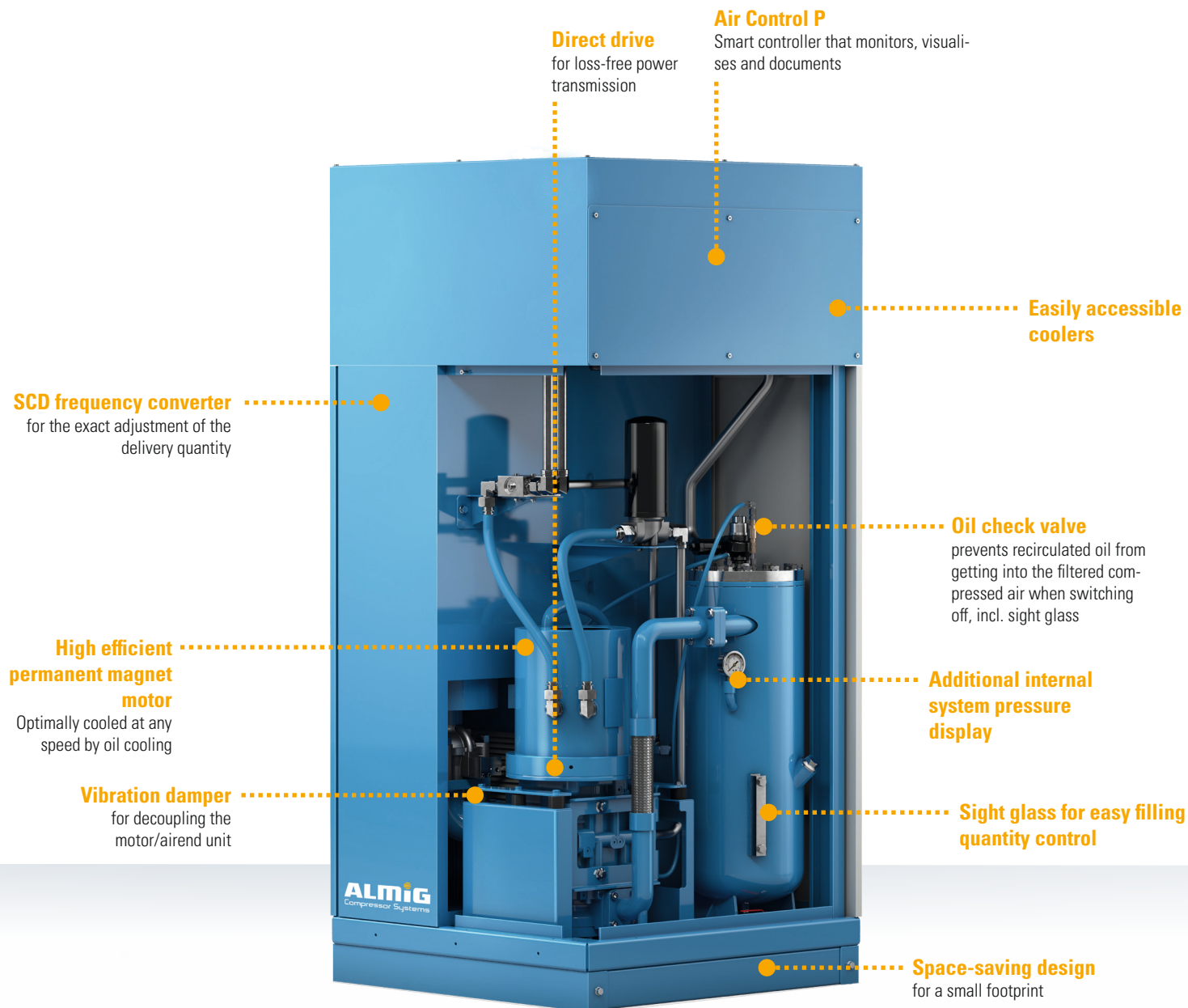
Energy- and space-saving at the same time, that doesn't have to be a contradiction in terms. Quite the opposite. We at ALMiG have been proving for many years that the concept of vertical arrangement of motor and compressor unit is the key to success - to efficiency. Energy-saving speed control through an oil-cooled permanent magnet motor, a highly efficient compressor stage combined with the most intelligent control technology and the lowest noise level are our answer to the increasingly demanding requirements of the future.

The speed-controlled, directly driven compressors of the F-Drive series are used wherever compressed air is to be generated by a small, compact and extremely quiet system.

Achieve energy savings of up to 35% through:

- Speed control
- constant mains pressure, infinitely variable from 5 to 13 bar
- extremely good system efficiency
- no start-up changeover power peaks
- no expensive downtimes

- + Motor efficiency corresponds to IE4 or better
- + Heat recovery optionally available incl. use of engine waste heat!
- + Air Control P as standard compressor control system
- + Smallest footprint
- + Easy access and maintenance



50 Hz									
F-Drive	Operating overpressure	Volume flow acc. to ISO 1217 (Annex C-2009)*		Improved volume flow compared to the previous FLEX version*	Rated motor power	Length	Width	Height	Reduced footprint compared to previous FLEX version
		min.	max.						
Model	bar	m³/min	m³/min		kW	mm	mm	mm	
6	5 - 13	0.55	0.97	+ 14 %	5.5	660	690	1571	- 11 %
8	5 - 13	0.55	1.31	+ 10 %	7.5	660	690	1571	- 11 %
11	5 - 13	0.55	1.87	+ 10 %	11	660	690	1571	- 11 %
15	5 - 13	0.55	2.51	+ 20 %	15	660	690	1571	- 11 %
18	5 - 13	0.77	3.56	+ 13 %	18.5	790	800	1750	- 38 %
22	5 - 13	0.77	4.11	+ 18 %	22	790	800	1750	- 38 %
30	5 - 13	2.01	6.03	+ 49 %	30	940	850	1795	- 21 %
37	5 - 13	2.01	6.98	NEU	37	940	850	1795	NEU

* related to operating overpressure 7 bar at 50 Hz; status 11/2019; subject to alterations and errors.