



Portable Screw Compressors 5 – 11 m<sup>3</sup>/min



PDK33 | PDP35 | PDK65 | PDP65 | PDP95

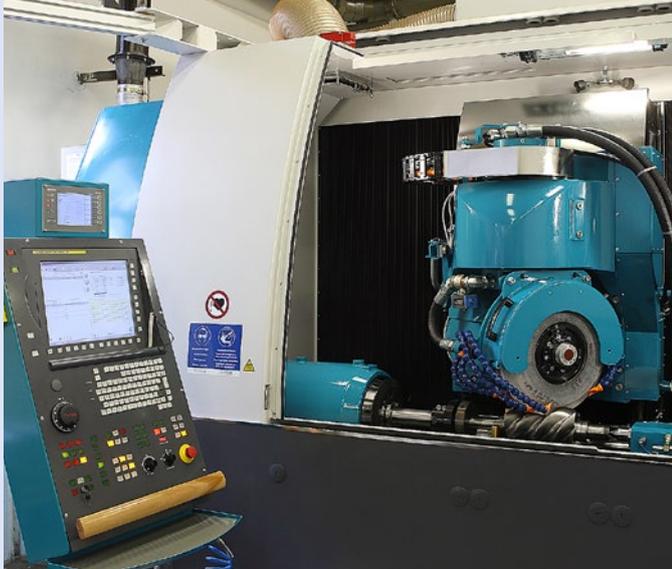
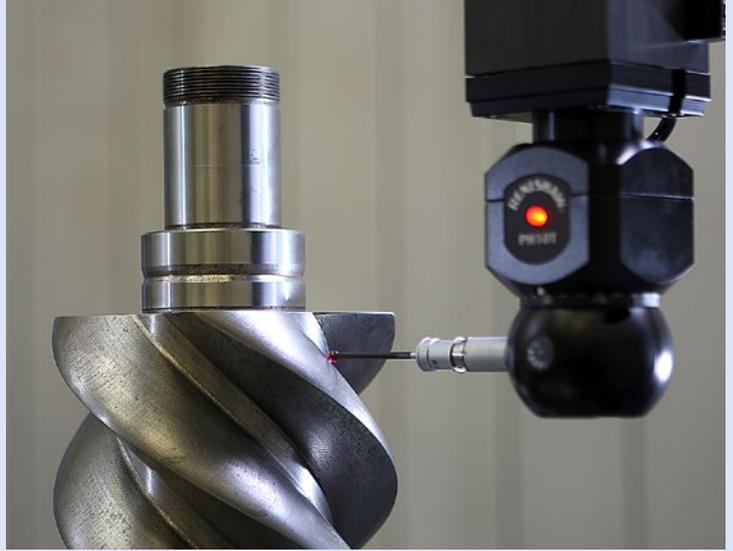
enough air for everyone

## Tradition in manufacturing

Our Industrial tradition is the cornerstone on which we have built our company. Atmos has been engaged in engineering and production of compressors for more than 125 years.

The first compressors which were powered by diesel engines left the assembly line in 1955.

Today, we are one of the 5 remaining full-liners in the EU, who manufactures a range of mobile compressors between 1 and 25 m<sup>3</sup>/min. We also produce an energy efficient range of stationary electric compressors, between 4 and 110 kW.



## Atmos own air-ends, separator vessels and other components

- The screw air-end is a key element of every portable compressor
- For more than 40 years Atmos have machined and produced their own air ends in our own factory, precision tolerances in the range 0.001 mm are essential when machining air-ends
- Our exceptional quality is due to investment in the best machine-tools and co-ordinate measuring machines to check and verify the precision of manufacturing
- We produce our own separator vessels with a new welding robot. These are not only integrated into our own compressors, but sold to several blue-chip European OEM partners.
- Many other components are also manufactured by ourselves. This enables us to produce highest quality and avoid lead times. Remaining components are either sourced from local partners in the Pilsen region, or from European suppliers.

## Portable compressors PDP, PDK 5–11 m<sup>3</sup>/min



## Designed for extreme conditions



- frosts in Siberian tundra
- startup even during extreme low temperatures ( $-40^{\circ}\text{C}$ ) due to newly developed technologies
- corrosive environment of seaside areas of South America
- extreme temperatures of Arabian peninsula
- filters and separators which are designed specially for dusty environments



## Engines

- diesel engines from renowned leading brands
- established global service network
- exceptional lifetime thanks to correct match of engine and air-end

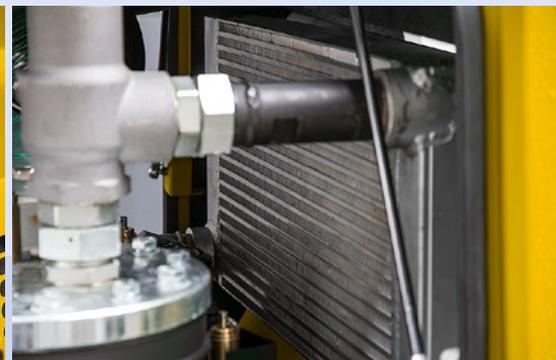


## Control system

- Modern controller with display of all current operating data
- Many parameters can be adapted to individual user or environment, for example setting of engine preglow times in winter and summer
- It co-ordinates engine rpm's according to actual air delivery
- Therefore maximum power optimization, resulting in low fuel consumption

## Available options

- The compressors can be configured for all existing applications.
- Operating pressures from 7 to 14 bar
- Compressed air quality as required: lubricated, dry and/or oil-free.
- Available for different ambient temperatures – from Arctic ( $-40^{\circ}\text{C}$ ), through cold environment ( $-20^{\circ}\text{C}$ ) to continental version ( $+45^{\circ}\text{C}$ )



## Available options

- All machines are supplied on trailers from Knott (Germany). We offer different fixed/height-adjustable and unbraked/braked variants.
- For installation on trucks, we can supply the compressor on a frame, and for use in mines on skids. All frames also have pockets for forklift trucks



## Optional Accessories

	PKD33	PDP35	PKD65	PDP65	PDP95
tool lubricator	✓	✓	✓	✓	✓
aftercooler, water trap	✗	✓	✗	✓	✓
winter packet	✓	✓	✓	✓	✓
HA version	✓	✓	✓	✓	✓
towing eye	✓	✓	✓	✓	✓
ball-hitch	standard	standard	standard	standard	standard
special colour	✓	✓	✓	✓	✓
spark arrestor	✓	✓	✓	✓	✓
hose reel	✓	✓	✓	✓	✓
10 bar version	✓	✓	✓	✓	✓
12 bar version	✓	✓	✓	✓	✓
14 bar version	✓	✓	✓	✓	✓

## Technical parameters

		PKD33	PDP35	PKD65	PDP65	PDP95
free air delivery	[m³/min]	5 / 4 / 3.2 / 2.9	5 / 4 / 3.2 / 3	7 / 6.5 / 5.8	7 / 6.5 / 6 / 5.5	11 / 9.8 / 8.8 / 7.8
	[cfm]	176 / 141 / 113 / 102	176 / 141 / 113 / 106	247 / 229 / 205	247 / 229 / 221 / 194	388 / 346 / 311 / 275
working overpressure	[bar]	7 / 10 / 12 / 14	7 / 10 / 12 / 14	7 / 10 / 12	7 / 10 / 12 / 14	7 / 10 / 12 / 14
	[psi]	100 / 150 / 175 / 200	100 / 150 / 175 / 200	102 / 150 / 175	102 / 150 / 175 / 200	102 / 150 / 175 / 200
engine		Kubota V1505-T	Perkins 404D-22	Kubota V3300	Perkins 1104A-44T	Perkins 1104A-44T
weight	[kg]	750	1000	1200	1700	1800
engine rated power	[kW]	33	35.7	54.5	82	82
engine rated speed	[rpm]	3000	2600	2600	2000	2400



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