



Atmos PB82E – The compact compressor with petrol engine

PB82E – Light weight, full performance

- The EU sound regulations present a major challenge to all manufacturers. On one hand, the compressors are supposed to be as compact as possible, on the other hand they need to comply with the norms.
- We have succeeded to develop a machine that is not only silent enough to fulfill the CE directives, but that is also the most compact in its class.
- The PB82E has a free air delivery of
 - **1.4 m³/min @ 6 bar**
 - **1.1 m³/min @ 10 bar**
 - **0.7 m³/min @ 14 bar.**

The PB82E – ideal for all applications

- The free air delivery at **6 bar** is more than enough to operate an ATMOS 25 kg breaker or 2 smaller chipping hammers.
- It is also sufficient for the operation of moles up to 75 mm Ø or compressed air tools.
- The **10 bar** version is designed for small sand-, ice and sodablasting jobs, as well as tyre shops, recovery vehicles and PU spraying.
- The **14 bar** version is ideal for jetting fibre-optic microcables.
For export markets outside the European Union, we produce the PB82 with 1m³/min @ 14 bar for the same application.

For microcable jetting applications with larger pipe diameter where a higher airflow is needed, we have the new PDP20 compressor with Stage 5 Perkins engine and FAD 1.9m³/min @ 14 bar.

Atmos PB82E

Technical data of all CE compliant and export versions

Type / тип		PB 81-6	PB 81-10	PB 81-14	PB 82E-6	PB 82E-10	PB 82E-14	PB 82-14
Operating pressure / Давление на выходе	[bar] / [бар]	6	10	14	6	10	14	14
Free air delivery / Производительность	[m³/min] / [м³/мин]	1,4	1,1	0,7	1,4	1,1	0,7	1
Engine type / Двигатель		B&S 18 HP			B&S 23 HP			
Start / Устройство запуска		Manual recoil or electric Ручной или электронный старт			Electric Электронный старт			
Engine power / Мощность двигателя	[kW] / [кВт]	12,3			16,9			
Engine revolutions / Число оборотов при полной нагрузке	[min ⁻¹] / [мин ⁻¹]	3600			2500			3600
Cooling system / Тип охлаждения		Air / Воздух						
Air outlet / Выход сжатого воздуха		Quick coupling 3/4" / KAG 3/4"						
Length / Длина	[mm] / [мм]	989						
Width / Ширина	[mm] / [мм]	703						
Height / Высота	[mm] / [мм]	804			804			
Weight / Вес	[kg] / [кг]	135			140			

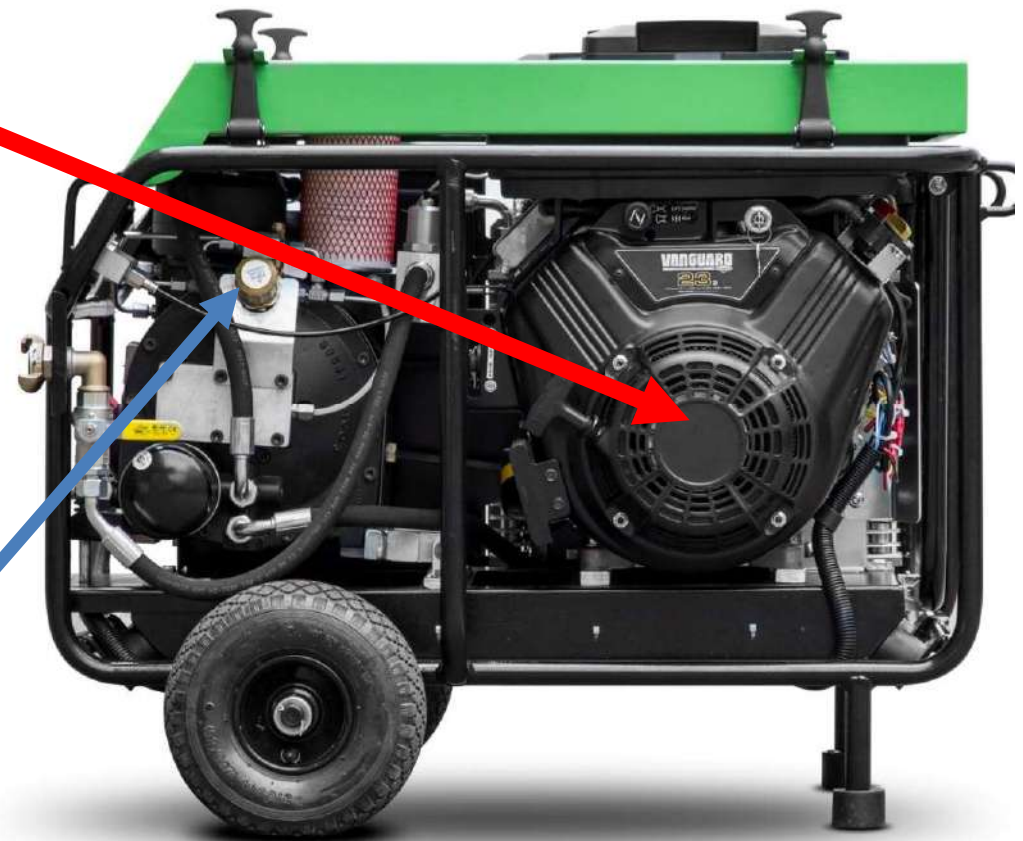
PB82E – the compact compressor

- The machines are very compact and fit through almost every door, window and car boot. They have 4 lifting bales for movement by crane.
- The retractable towbar and the pneumatic tyres make the machine easily manoeuvrable, even stairs don't present a problem any more.



PB82E - Advantages

- Large dimensioned 23 hp Briggs & Stratton petrol engine with low rpm's guarantees silent operation and long lifetime
- Stepless pressure adjustment provides high flexibility on construction sites



PB82E - Advantages

- Due to the $\frac{3}{4}$ " air outlet much lower pressure loss than competitors, at $\frac{1}{2}$ " and 20 m hose length the pressure drop can be up to 2 bar!
- Easy maintenance due to removable canopy



PB82E - Advantages

- Highly efficient screw compressor made in Germany
- The screw compressor, pressure vessel and other components are integrated into 1 piece, reducing the possibility of breakdowns.
- Easy monitoring of air pressure, motor hours and compressor oil temperature



- LED for monitoring of 12V connection to protect battery
- Pressure gauge
- Hour counter
- 12V socket for connection of Atmos aftercooler



PB82E - Advantages

- All machines can be equipped with an optional 12V socket, to connect the external ATMOS aftercooler. *
- After cooling down the air, the condensate is drained via a cyclonic separator.
- Therefore, the PB82E compressor is an excellent machine for all blasting operations, blowing fibre optic cables and all other applications where dry air is required.



* Picture similar, we now produce our own Atmos external aftercooler with 12V plug.



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