

A diver in a blue and green wetsuit is swimming over a vibrant coral reef. In the foreground, a lionfish with its distinctive white and brown stripes and long, thin spines is swimming. The scene is set in clear blue water with sunlight filtering through from above.

## MOBILE COMPRESSORS

### PE 100 AND PE-TE/TB SERIES

**Our mobile POSEIDON EDITION compressors combine proven core components with user-optimised features.**

The PE 100 is by far the most compact and lowest-weight system in the PE Series. Available in three drive types (petrol engine, three-phase motor or single-phase AC motor), it is ideal for a wide range of applications on land or sea and in vehicles.

Compact in design yet delivering charging rates of up to 300 l/min, PE-TE/TB Series compressors are easy to transport and load into vehicles. The oil pump allows the compressors to be operated at inclinations of up to 15 degrees, so that this series is also suitable for shipping applications.

## PE 100

### RUGGED TECHNOLOGY – COMPACT FOOTPRINT

Ruggedness, reliability, a wide range of applications and compact portability are all features of the PE 100.

Its range of applications is virtually unlimited. Available in three drive types with petrol engine, three-phase or single-phase AC motor, it is ideal for many uses, such as a breathing air compressor for diving groups or fire fighters or for rapid filling of cartridges for sports shooting or paintball cylinders.

The PE 100-TW sports shooting version has a non-bleed filling valve including adapter for filling cartridges and was designed specifically for sports shooting applications.

In the version with petrol engine, the PE 100 can be operated without an external power source in even the most remote locations. In the single-phase AC motor version, it can be powered from a household power supply.

- › 100 l/min
- › 225 or 330 bar
- › 2.2 kW (4.2 kW petrol version)
- › Available with three-phase motor, single-phase AC motor or petrol engine

#### FEATURES

- › Compact, low-weight system, easily transportable
- › The P 11 purification system designed especially for the PE 100 supplies pure breathing air in compliance with DIN EN 12021:2014<sup>1</sup>
- › Many possible applications



PE 100, 300 bar model

**FOR ANYONE THAT WANTS TO RELY ON PURE, SAFE BREATHING AIR IN MOBILE APPLICATIONS.**

#### OPTIONAL FEATURES

- › Motor protection switch for PE 100-TE
- › Intake telescope (standard with PE 100-TB) or intake manifold for attaching a suction hose

<sup>1</sup> Based on due maintenance and installation of the system in accordance with the operating manual and only where CO<sub>2</sub> concentrations in intake air do not exceed the predefined standard values. Local TLVs are not considered.



## TECHNICAL DATA

Type	Charging rate <sup>1</sup>		Operating Pressure max.		Purification System	Number of Stages	Speed approx. rpm	Drive and Motor Power		Net Weight approx. kg	Dimensions L x W x H cm
	l/min	cfm	bar	psig				Motor	kW		
PE 100-TB	100	3.5	330	4,780	P 11	3	2,300	Petrol engine 4-stroke	4.2	42	78 x 34 x 42
PE 100-TE	100	3.5	330	4,780	P 11	3	2,300	Three-phase 400 V, 50 Hz	2.2	44	66 x 35 x 42
PE 100-TW	100	3.5	330	4,780	P 11	3	2,300	Single-phase 230 V, 50 Hz <sup>3,4</sup>	2.2	44	66 x 35 x 42
PE 100-TW <sup>2</sup> Sports Shooting Version	100	3.5	330	4,780	P 11	3	2,300	Single-phase 230 V, 50 Hz <sup>2</sup>	2.2	44	66 x 35 x 42

1 Measured by tank filling (10 l) from 0 – 200 bar / 2900 psig, ± 5%.

2 Filling valve without automatic vent including adapter for connecting adapters cartridges.

3 Plug dimension: Schuko plug. Plug only for units with 230 V / 50 Hz.

4 With integrated motor protection switch (only for 220/230/240 V).



## PE-TE/TB

### MOBILE COMPRESSOR SYSTEMS WITH OPTIMISED FEATURES FOR USE IN VEHICLES AND SHIPPING

The PE-TE/TB series is designed for high FAD volumes up to 300 l/min in mobile use, and is available with a choice of electric or petrol drive. The systems are thus suitable for private use and commercial filling station operations. With compact design and functional carry frame, these compressors are easy to transport and stow in vehicles.

Their integrated oil pump enables them to be operated at inclinations of up to 15 degrees, so that this series is particularly suitable for shipping applications.

Also included is the BAUER P 21 Purification System (P 31 with PE 250-TB and PE 300-TB). This sophisticated air purification system with integrated oil and water separator and pressuriser valve reliably prevents users from inhaling air impurities<sup>1</sup> and provides effective protection from icing up when cartridges are changed regularly.

- › 200 - 300 l/min
- › 225 or 330 bar
- › 4 – 7.5 kW (8.8 kW petrol version)

#### FEATURES

- › High FAD, yet low in weight and easy to transport
- › Ideal for marine use, with interstage and afterstage cooler in stainless steel. Highly corrosion-resistant
- › Optionally available with user-friendly ultra-rugged B-TIMER mini-computer for filter cartridge monitoring



PE 300-TE with optional control unit

#### OPTIONAL FEATURES

- › Additional filling device for 225 or 330 bar
- › Switchover device for 225/330 bar
- › Larger Purification System P 31 (PE 200-TB, PE 250-TE and PE 300-TE only) or P 41 (PE 250-TE/TB, PE 300-TE/TB) only for longer cartridge life
- › B-TIMER filter cartridge lifetime monitoring system
- › B-SECURUS filter cartridge saturation monitoring system (only possible with P41 and electric motor)
- › Electronic control unit (only with electric motor)
- › B-DRAIN automatic condensate drain system including automatic shut off when final pressure is reached

<sup>1</sup> Based on due maintenance and installation of the system in accordance with the operating manual and only where CO<sub>2</sub> concentrations in intake air do not exceed the predefined standard values. Local TLVs are not considered.

## TECHNICAL DATA

Type	Charging rate <sup>1</sup>		Operating Pressure max.		Purification System	Number of Stages	Speed approx.	Drive and Motor Power		Net Weight approx.	Dimensions L x W x H
	l/min	cfm	bar	psig				Motor	kW		
PE 200-TE	200	7	330	4,780	P 21	3	1,250	Three-phase 400 V, 50 Hz <sup>2</sup>	4.0	120	110 x 50 x 57
PE 200-TB	200	7	330	4,780	P 21	3	1,250	4-stroke petrol engine	5.9/6.6 <sup>3</sup>	130	127 x 59 x 57
PE 250-TE	250	9	330	4,780	P 21	3	1,450	Three-phase 400 V, 50 Hz <sup>2</sup>	5.5	130	110 x 50 x 57
PE 250-TB	250	9	330	4,780	P 31	3	1,450	4-stroke petrol engine	6.6	135	127 x 59 x 65
PE 300-TE	300	10	330	4,780	P 21	3	1,800	Three-phase 400 V, 50 Hz <sup>2</sup>	7.5	140	110 x 50 x 57
PE 300-TB	300	10	330	4,780	P 31	3	1,800	4-stroke petrol engine	8.7	145	127 x 59 x 65

1 Measured by cylinder filling (10 l) from 0 – 200 bar, ± 5%.

2 Plug dimension: Schuko plug 16 A.

3 6.6 kW petrol engine with option automatic condensate drain / automatic shutdown function

