

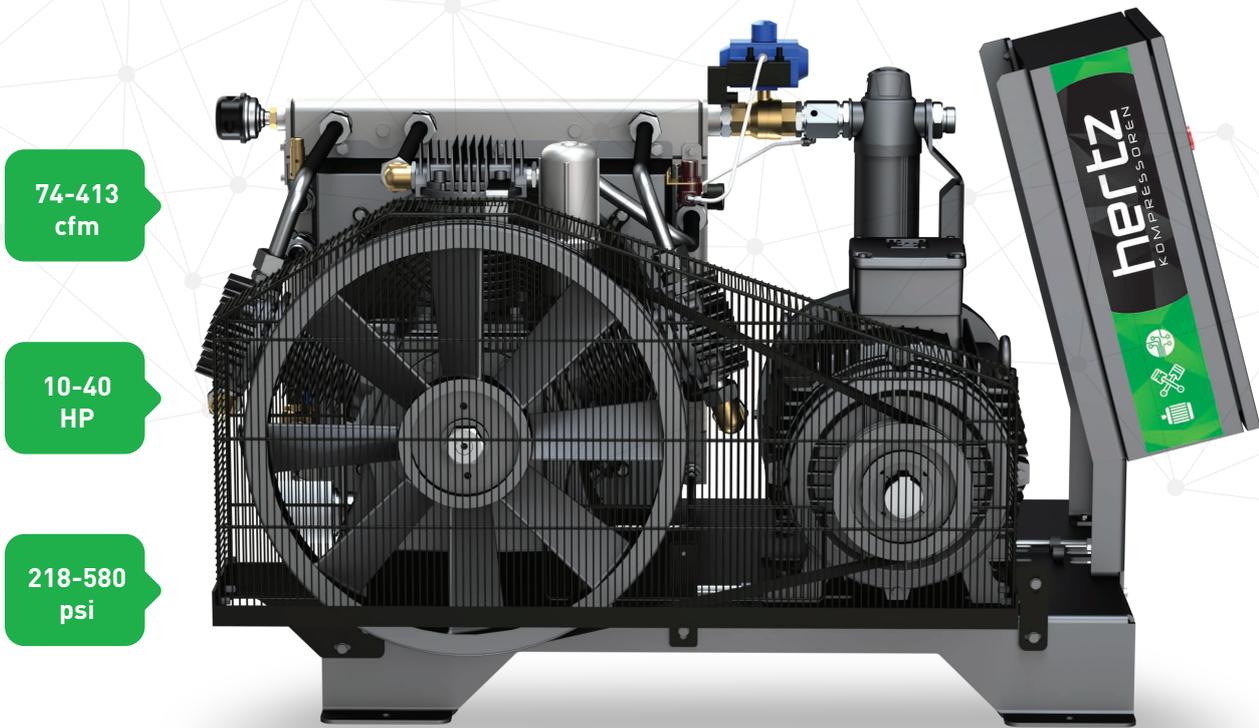
hertz
KOMPRESSOREN

HPC BOOSTER GP

Reciprocating Booster
Air Compressors

10-40 HP





HPC BOOSTER GP SERIES

*Oil Injected, Belt Driven
Reciprocating Booster Air Compressors*

We provide reliable and high-performance air solutions for the PET bottling and food and beverage industries requiring high compression.



General Features

- Electric motor protection to prevent overload
- Dedicated discharge system to prevent oil discharge from blow-off valve
- Energy-saving Load/Unload System
- Integrated control panel for user-friendly operation
- Automatic discharge system for loadless start
- Air-cooled compressor units
- Gear-driven oil pump
- Star/delta motor starter
- Long life thanks to low speed operation
- Optional soft starter



Advantages

- Durable sliding bearings prolong maintenance periods and keep maintenance costs low.
- Next gen booster series offers high performance with the outstanding technology and design.
- Oil-trap air filtration system provides cleaner air.
- Energy-saving advanced cooling and lubrication systems.
- Integrated oil pump driven by the main motor lubricates the pistons, bearings and pins efficiently.
- Improved vibration level helps to keep maintenance costs down.



Controller

- Mains voltage and frequency monitoring, protection at certain limits
- Multiple compressor control for up to 8 compressors without the need for an external master controller
- Internal ModBus communication
- Alarm log records the last 9 alarms



Main Motor and Drive System

- IE3 efficiency-class electric motors
- Belt pulley drive system
- Easy belt tensioning system
- Specially designed fan type cast pulley
- Star/delta motor starter
- Special loadless start system and automatic discharge system for loadless start



Compressor Block

- Cast iron cylinder with cooling fins and special aluminium alloy top heads
- Specially designed long-life and high-speed stainless steel concentric valves
- High-strength cast iron sump
- Dynamically balanced cast steel crankshaft and counterweight
- Special aluminium alloy pistons and cast connecting rods



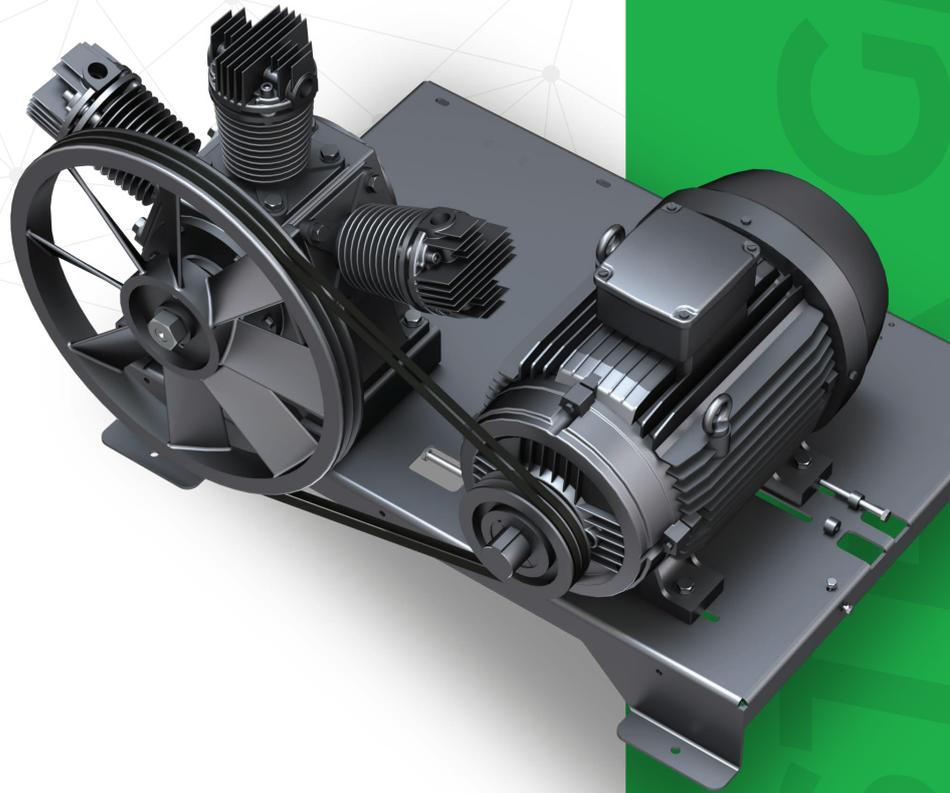
Cooling System

- 2-section aluminium radiator for air and oil cooling
- Bar-Plate outlet air cooling radiator
- Integrated oil and air cooler with inlet collector



Certification

- Electrical components selected according to IEC, UL/cUL, CE standards, safety systems suitable for pressure class are used.





Safety Systems

- Inlet air control system
- High-pressure switch
- Manual condensate drainage valve
- Integrated check valve in air outlet line
- Belt pulley housing fence
- Outlet pressure manometer
- High pressure relief valve
- Oil pressure control
- Integrated particulate filter in inlet air line
- By-pass line for protection against high oil pressure



Model	Working Pressure				Inlet Capacity								Motor HP/kW	Connection	Dimensions (in.)			Weight lbs
	Minimum psi - bar		Maximum psi - bar		100 psi cfm - m ³ /min		125 psi cfm - m ³ /min		150 psi cfm - m ³ /min		175 psi cfm - m ³ /min				Length	Width	Height	
HPC BOOSTER 10 GP	218	15	580	40	74	2.1	89	2.5	102	2.89	130	3.67	10/7.5	1" NPT	56.3	39.8	40.4	772
HPC BOOSTER 15 GP	218	15	580	40	87	2.45	106	2.99	119	3.37	152	4.29	15/11	1" NPT	56.3	39.8	40.4	882
HPC BOOSTER 20 GP	218	15	580	40	132	3.75	167	4.73	182	5.15	231	6.55	20/15	1" NPT	56.3	39.8	40.4	904
HPC BOOSTER 25 GP	218	15	580	40	173	4.9	224	6.34	238	6.73	303	8.57	25/18.5	1 1/4" NPT	59	40.4	37.7	970
HPC BOOSTER 30 GP	218	15	580	40	196	5.56	252	7.14	270	7.65	344	9.74	30/22	1 1/4" NPT	59	40.4	37.7	1058
HPC BOOSTER 40 GP	218	15	580	40	236	6.68	288	8.17	324	9.18	413	11.68	40/30	1 1/4" NPT	59	40.4	37.7	1213

- Unit performances measured in reference conditions which are 1 bar absolute air pressure, 0% relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smartoil.
- Hertz reserves its rights to make changes in its products and specifications without prior notice.