



HPC BOOSTER GP SERIES RECIPROCATING BOOSTER AIR COMPRESSORS



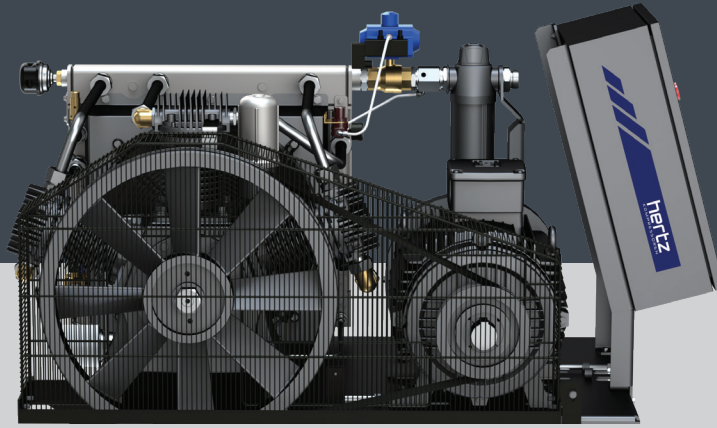
STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, durable compressor blocks are provided as standard in all our products.



RELIABILITY

HERTZ pressurizes the air entering the compressor at 7-13 bar up to 40 bars with the HPC Booster GP series booster compressors in its production range. The HPC Booster GP series products have been preferred by PET bottle manufacturers for many years and have been successfully used in many companies.



MAIN MOTOR AND DRIVE SYSTEM

- High efficiency 400V/3 phase/50Hz IE3 IP55 electric motor
- Special loadless start system and automatic discharge system for loadless start



COMPRESSOR BLOCK

- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- Specially designed high-speed stainless steel concentric valves.
- Cast iron crankcases with high strength
- Dynamically-balanced cast steel crankshaft and counterweight
- Special alloy aluminium pistons and steel cast connecting rods
- Stainless steel suction-discharge valves, specially designed for high pressure strength



CONTROLLER

- Internal phase protection relay function
- Function for monitoring the mains voltage and frequency and keeping these at specified limits
- Multiple compressor control with up to 8 compressors without requiring an external main controller
- ModBus communication feature
- Alarm History Record for the last 9 alarms





HPC BOOSTER GP SERIES

Reciprocating Booster Air Compressors

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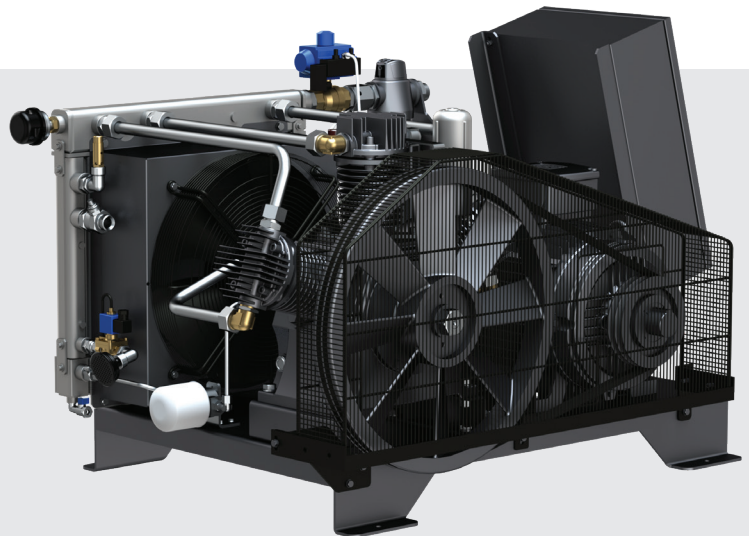
MAIN MOTOR AND DRIVE SYSTEM

- Belt-pulley drive system
- Specially designed fan type cast iron pulley
- Easy belt tensoning system



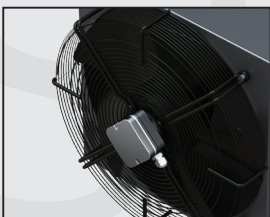
SAFETY SYSTEMS

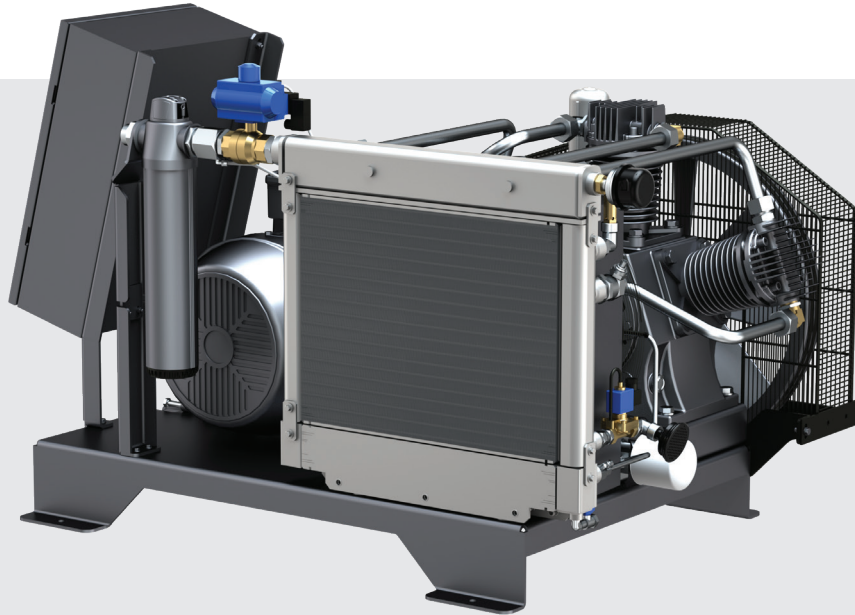
- Intake air control system
- High pressure switch
- Manual drain valve
- Integrated check valve on the air discharge line
- Belt pulley housing grill
- Outlet pressure manometer
- High pressure relief valve
- Oil pressure control
- Integrated particulate filter at the inlet
- By-pass line for protection against high oil pressure



OTHER FEATURES

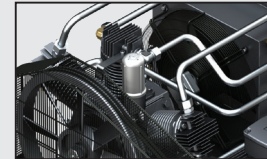
- Automatic discharging system for no-load start
- Durable sliding bearings
- Bar-Plate type after cooler
- Integrated oil and air cooler with inlet collector
- Air intake filter and muffler for no-load operation
- Oil gear pump
- Dedicated discharging system for preventing oil discharge from the blowdown valve





OPTIONS

- High pressure air dryer
- High pressure air tank made of CE certified P265GH pressurized container steel (EN 286-1)
- Air filtering system with oil trap
- Food grade oil option
- Main motor with IE4 efficiency class



TECHNICAL DATA

Model	Maximum Pressure*		Capacity (Intake)						Motor Power	Connection Size	Dimensions (mm)			Weight
			7 bar (inlet)		10 bar (inlet)		13 bar (inlet)				Length	Width	Height	
	bar	psi	L/min	cfm	L/min	cfm	L/min	cfm	kW/HP					
HPC BOOSTER 10 GP	40	580	2099	74	2886	102	3673	130	7,5/10	G 1"	1430	1010	1025	350
HPC BOOSTER 15 GP	40	580	2452	87	3371	120	4290	152	11/15	G 1"	1430	1010	1025	400
HPC BOOSTER 20 GP	40	580	3750	132	5150	182	6550	232	15/20	G 1"	1430	1010	1025	410
HPC BOOSTER 25 GP	40	580	4896	173	6732	238	8568	303	18,5/25	G 1 1/4"	1500	1025	957	440
HPC BOOSTER 30 GP	40	580	5564	197	7650	270	9736	344	22/30	G 1 1/4"	1500	1025	957	480
HPC BOOSTER 40 GP	40	580	6676	236	9180	324	11684	413	30/40	G 1 1/4"	1500	1025	957	550

- HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.

* For 7 bar inlet pressure, max. discharge pressure is 35 bar.

