Piston Compressors

HPC BOOSTER PLUS

HPC-BOOSTER PLUS 25 / HPC-BOOSTER PLUS 40
HPC-BOOSTER PLUS 50 / HPC-BOOSTER PLUS 60

hertz® KOMPRESSOREN

A Booster takes air from compressed air line and increases the pressure for certain applications such as seal testing in pneumatic and hyraulic devices, certain actuating cylinders, presses, clamping fixtures and PET bottle production.

Usually the volume of air demanded at higher pressures of around 40 bar is relatively small so the booster is an economical means of supply and more efficient than to lift the pressure in the complete air main to this level. HERTZ boosters are delivered ready for use and include an air-cooled compressed air aftercooler as standard.

COMPRESSOR BLOCK

- Heavy-duty type cast-iron crankcases contain oil level indicators on crankcase, blowdown valve and oil fill/drain plugs.
- Cast-iron cylinders with cooling fins.
- Dynamically balanced and precisely manufactured sphero cast crankshafts and counter weights.
- Pistons casted from special aluminum alloy and sphero cast connecting rods.
- Special design high speed concentric valves made from stainless steel for high.
- Compression and oil retaining rings.

MAIN MOTOR AND DRIVE SYSTEM

- In HPC-BOOSTER PLUS series, high efficiency IE3 class IP55 motors working with 400V/3 phase/50Hz power as standard.
- Direct-drive system with flexible coupling.
- Special loadless operation system.

COOLING & LUBRICATING SYSTEMS

- Two-stage (one for oil cycle, one for air cycle) aluminum combi-cooler radiator.
- Deep cooling fins on the cylinders and the air-flow directing canopy.
- Directly coupled oil pump

ELECTRICAL SYSTEM

- PLC based control and monitoring with digital display
- Flexible operation with up to 100 user controlled parameters such as motor switching, inlet and outlet air pressure and temperature, minimum operating pres sure, minimum oil pressure and maximum operating temperature
- Monitoring maintenance intervals with 5 different pre-defined timer structures
- Reliable operation by using less numbers of mechanical control equipment like relays and contactors

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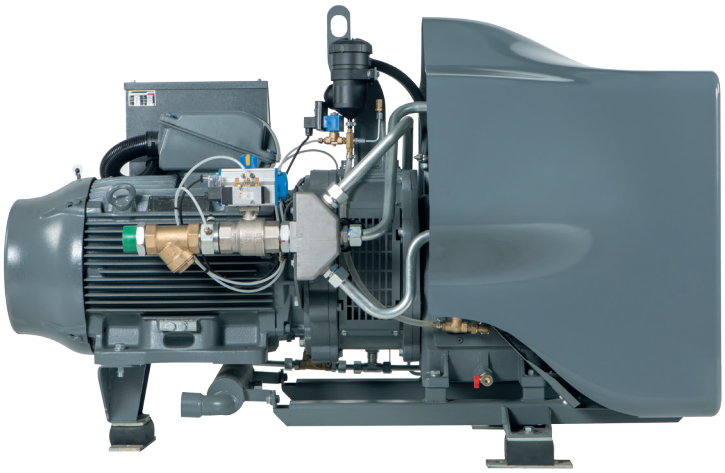
SPECIFICATIONS



OPTIONS

- Oil heater
- GPRS module for remote control
- Multi-compressor control up to 8 compressors for identical life cycle
- Power supply options other than 400V/3 phase/50Hz
- Food grade lubricant for food production

MODEL	PRESSURE		DISPLACEMENT (Intake) CAPACITY						MOTOR POWER kW/HP	CONNETION SIZE	DIMENSIONS mm			WEIGHT kg
	bar	PSI	7 bar		10 bar		13 bar				Width	Depth	Height	
			m3/min	SCFM	m3/min	SCFM	m3/min	SCFM						
HPC-BOOSTER PLUS 25	40	580	4,5	158	6,2	218	7,9	277	18,5/25	1”	1380	1100	1030	450
HPC-BOOSTER PLUS 40	40	580	7,0	248	9,7	341	12,3	434	30/40	1”	1485	1100	1030	510
HPC-BOOSTER PLUS 50	40	580	9,7	342	13,3	471	17,01	599	37/50	1 1/2”	1690	1175	1100	745
HPC-BOOSTER PLUS 60	40	580	11,6	409	16,0	563	20,2	716	45/60	1 1/2”	1690	1175	1100	775

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

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HERTZ KOMPRESSOREN GLOBAL SALES DIVISION
34885 Sancaktepe / Istanbul - Turkey
Phone: +90 (216)311 71 81 / Fax:+90 (216)311 71 91
export@hertz-kompressoren.com

HERTZ KOMPRESSOREN GmbH
Jägerstrasse 51, 47166 Duisburg
Phone: +49 203 29 65 81 83
Fax: +49 203 29 65 81 84 / info@hertz-kompressoren.de

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