



HPC BOOSTER

Reciprocating Air Compressors

7,5-30 kW

2,1-11,68
m³/min

7,5-30
kW

15-40
bar



HPC BOOSTER *SERIES*

*Oil Injected, Belt Driven
Reciprocating 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
- Air-cooled compressor units
- Energy-saving Load/Unload System for efficient operation
- Low speed operation
- Lubrication system with splashing
- Dedicated discharge system to prevent oil discharge from blow-off valve
- Automatic discharge system for loadless start
- Star/delta motor starter
- Soft starter (optional)



Advantages

- Durable sliding bearings prolong maintenance periods and keep maintenance costs low.
- High performance with the high engineering technology and design.
- Oil-trap air filtration system provides cleaner air.
- Energy-saving advanced cooling systems.





Main Motor and Drive System

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



Safety System

- Inlet air regulator
- High-pressure switch
- Manual condensate drainage valve
- Integrated check valve at air outlet line
- Outlet pressure manometer
- High pressure safety valve
- Integrated particulate filter at inlet air line



Compressor Block

- Cast iron cylinder with cooling fins and special aluminium alloy top heads
- Special aluminium alloy pistons and cast connecting rods
- High-strength cast iron sump
- Dynamically balanced cast steel crankshaft and counterweight



Cooling System

- 2-stage aluminium radiator for Air and Oil cooling
- Bar-Plate outlet air cooling radiator





Certification

- Electrical components selected according to IEC, UL/cUL, CE standards, durable cast bodies, safety systems suitable for pressure class

Model	Working Pressure				Inlet Capacity						Motor	Connection	Dimensions (mm)			Weight
	Minimum bar - psi		Maximum bar - psi		7 bar m³/min - cfm		10 bar m³/min - cfm		13 bar m³/min - cfm		kW/HP		Length	Width	Height	kg
HPC BOOSTER 10	15	218	40	580	2,1	74	2,89	102	3,67	130	7,5/10	1"	1286	825	753	300
HPC BOOSTER 15	15	218	40	580	2,45	87	3,37	119	4,29	152	11/15	1"	1286	825	753	300
HPC BOOSTER 20	15	218	40	580	3,71	131	5,1	180	6,49	229	15/20	1"	1357	820	758	330
HPC BOOSTER 25	15	218	40	580	4,9	173	6,73	238	8,57	303	18,5/25	1 1/4"	1423	874	736	440
HPC BOOSTER 30	15	218	40	580	5,56	196	7,65	270	9,74	344	22/30	1 1/4"	1423	881	736	523
HPC BOOSTER 40	15	218	40	580	6,68	236	9,18	324	11,68	413	30/40	1 1/4"	1423	972	736	580

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