

# Booster Compressors

Lupamat Booster compressors provide efficiency and economy with their suction pressure options of 7.5, 10 and 13 bars and with their air output pressure of 40 bars. With combination connection and with its continuous operation even under the harshest of conditions. These Boosters are positioned to cover PET and food product applications but can cover other applications in other industrial sectors. Its compressor block is Lupamat's own production and it has concentric suction and delivery valves, enabling maximum efficiency and long use lifespan.

Compressor cylinders and crank shaft are cast in ductile iron material in single pieces; therefore these parts provide easy maintenance and repair works. The cast parts are thermal heated, stress relieved and precision machined to very close tolerances, each part is subjected to stringent quality control tests. The unit is prime coated; the pistons are assembled to the cylinders and onto the body. The assembled unit is assembled on the solid chassis. Compressed air is air cooled with a fan mounted on the flywheel. Compressor is driven by V-belt and electric motor. Tensions of the V-belts are easily adjusted with the adjustable tensioning system. Compressor together with its all components is assembled on the chassis. It is protected with a cabin, which is covered with noise isolation material. The enclosure is designed with access doors, which can be opened from every side, to ensure easy accessibility during maintenance and repair works.



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Compressor Model	Suction Pressure	Outlet Pressure	Rotation	Stroke Capacity	Capacity, FAD*	Motor	Dimensions W x L x H
	bar(g)	bar(g)	rpm	m <sup>3</sup> /min	m <sup>3</sup> /min	kW	mm
LKS 61/330YBH-10	7,5 - 10	40	800	3,14 - 4,06	2,10 - 2,97	11	500 x 1050 x 900
LKS 61/330YBH-13	13	40	800	5,17	4,01	15	500 x 1050 x 900
LKS 61/333YBH-10	7,5 - 10	40	800	4,71 - 6,09	3,15 - 4,46	15	500 x 1050 x 900
LKS 61/333YBH-13	13	40	800	7,75	6,02	18,5	500 x 1050 x 900

\* FAD: Free air delivery  
 \* Lupamat reserves the right to alter the given technical data without prior notice.

## Product Specification:

- Low rpm.
  - Body, cylinder and crank shaft are compact in a single piece and made of EN GJS 600-3 ductile iron casting. Stress relieved after the casting operation.
  - Equipped with effective cooling and lubrication system.
  - On our booster type reciprocating compressors, there exist spherical valves, equipped with actuators controlling the air flow and located at the air suction and output areas, and discharge valves, ensuring operation under unloaded condition.
  - Connection rod and Crank shaft are assembled with needle bearing connection.
  - Insulation class: F, Protection class: IP55, IE3/IE4 asynchronous electric motor.
  - Electric panel in accordance with CE-Regulations and Standards.
  - Control panel equipped with Micro-processor and Emergency Stop button.
  - Equipped with LCD screen, indicating the compressor's operation mode, pressure and temperature values, maintenance schedules and troubles.
  - Equipped with overpressure safety valve and low pressure switch.
- Booster Air Compressors offer faultless and safe operation besides problem free operation.**

