



# PISTON BOOSTER SYSTEMS

Atlas Copco

LB air & nitrogen booster range  
(15-20 hp / 11-15 kW)



## PREMIUM BOOSTER PERFORMANCE

When you need the best in booster performance and reliability, the Atlas Copco LB delivers. The LB is the ideal booster for pet bottling or nitrogen applications in power plants or laser cutting. Its piston technology offers industry-leading efficiency with remarkably low noise levels.

## FEATURES AND BENEFITS

### Quiet

- Silent from the core: optimal balancing and use of special vibration dampers.

### Increased efficiency

- Low Specific Energy Requirement: direct driven technology eliminates friction losses.
- Low electrical peaks: use of soft start technology.
- Low mechanical losses: half elastic motor shaft coupling minimizes torque peaks.

### Easy operation

- Plug-and-play, hose in/hose out solution.

### Optimal performance

- Innovative oil lubrication system with oil ring and crankshaft channels ensures better lubrication.
- No oil carryover with oil breathing system.

### Supreme reliability

- 100% designed, manufactured and tested by Atlas Copco.
- Based on proven, reliable LT piston compressor design.
- Inlet and outlet safety valve protection.
- Steel valve plates with innovative zinc-based microspathe coating for additional protection.

# TECHNICAL SPECIFICATIONS

Compressor type	Maximum inlet pressure		Maximum outlet pressure		Recommended inlet flow @ 50hz		Recommended inlet flow @ 60hz		Outlet flow @ 50hz		Outlet flow @ 60hz		Motor power @ 50hz		Motor power @ 60hz	
	bar	psi	bar	psi	l/s	cfm	l/s	cfm	l/s	cfm	l/s	cfm	kW	hp	kW	hp
LB 15	6	87	40	580	29	61	33	70	24.2	51	28.1	60	11	15	13	17
LB 20	6	87	40	580	48	101	55	116	40	85	46.4	98	15	20	18	24

\* Electrical power  
230/3/50    230/3/60  
380/3/50    460/3/60  
400/3/50    575/3/60  
500/3/50

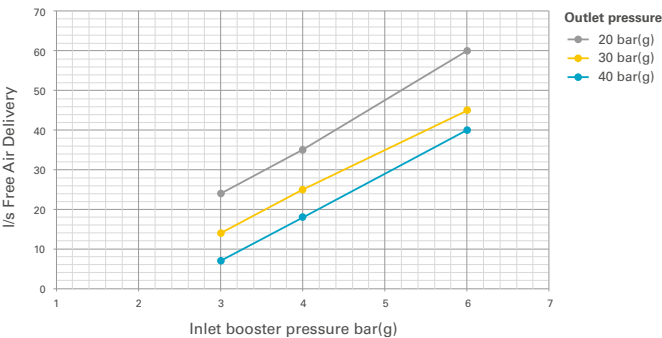
\*\* 50hz units come standard with CE approval;  
60hz units standard with UL approval.

\*\*\* Different voltages are available upon request.

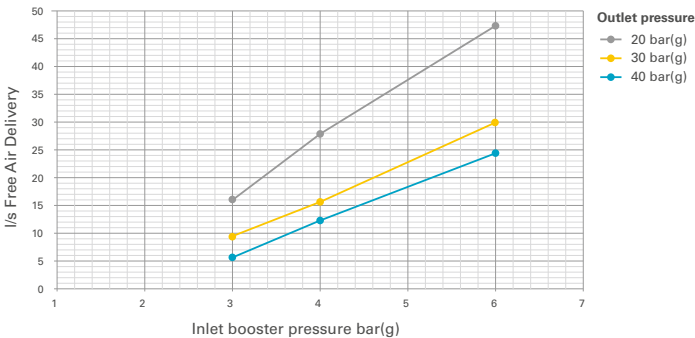
# OPERATIONAL SPECIFICATIONS

A booster is a compressor for which the inlet pressure and inlet flow are linked with the outlet pressure and outlet flow. Selection of the booster is based on the required outlet flow and pressure.

LB 20-50hz



LB 15-50hz



# UPGRADES AND SERVICE KITS

Rely on Atlas Copco to provide you with a complete booster package as well as a full service plan for the entire application chain.

- Factory-mounted options: oil level switch.
- Factory-mounted and sales kits options: inlet pressure regulator (2, 3, 4, 5, 6 and 7 bar), high pressure 50-bar outlet filters PD/DD/QDT, inlet filters PD/DD.
- Sales kits options: aftercooler, high pressure 40-bar vessels (270l, 500l, 1000l and 2000l).

**New: Atlas Copco nitrogen skid**  
Atlas Copco nitrogen generation skids are now also available for direct nitrogen use (40 bar) and for direct use and bottling (300 bar). Ask your Atlas Copco sales representative for more information.

