

Atlas Copco

# Medium-pressure air/nitrogen booster system

LTB 25/40 (1-40 hp/7.5-30kW)



## Your reliable medium-pressure booster

The LTB 25/40 gives you the benefits of producing medium-pressure air with a booster and adds Atlas Copco reliability, efficiency, and ease of use. It is designed for consistent operation, ensuring minimal downtime, maximum productivity and low operational costs. Its user-friendly interface makes the LTB 25/40 straightforward to operate, while its advanced connectivity allows for remote monitoring, data analysis, and enhanced control. All of which make the LTB 25/40 the ideal solution for medium-pressure air and nitrogen applications such as PET bottle production, laser cutting, and pressure testing.



### Optimal performance & efficiency

- Same machine can be used for air and nitrogen.
- 100% duty cycle allows for continuous operation.
- IE3 motor and premium design reduce operational costs.
- 5-10-bar, wide inlet increases compatibility with upstream devices and applications.



### Ease of use

- Touchscreen controller offers intuitive operation and engaging user experience.
- **SMARTLINK** app with remote monitoring of operational parameters and detailed performance reports.
- Auto start and stop ensures user convenience.
- Optional central control synchronizes multi-booster set-up and balances workload, running hours, maintenance intervals.



### High reliability

- Forced lubrication ensures all moving parts receive adequate lubricant, even in extreme conditions.
- Continuous temperature and pressure monitoring.
- Integrated filter optimizes and secures performance.
- Inlet and outlet collector absorb network pulsations to reduce component wear and tear.

# Advanced medium-pressure booster technology

- **Pump block**
  - In-house developed, premium design
  - Can be used for medium-pressure air and nitrogen
  - Forced lubrication
  - PT1000 temperature monitor
  - Less oil consumption
  - Low vibrations
- **Motor**
  - Star delta starting
  - IE3 premium efficiency motor
  - 100% duty cycle
  - Motor ledge
  - Maximum 20 start & stop operations per hour
- **Elektronik® Touch controller**
  - Intuitive touchscreen
  - 30 different languages
  - Warning and maintenance schedule indications
  - Auto start and stop
  - SMARTLINK remote monitoring and operation reports
  - Optional central compressor control
  - IP55 protection

- **Collector**
  - Inlet and outlet collector
  - Eliminates pulsations
- **Oil breathing**
  - Reduces oil consumption
  - Lowers oil emissions from crank case breathing
- **Optimized operation**
  - Optional A+20 aftercooler
  - Integrated inlet filter
  - Oil level switch
  - Single way outlet valve

✓ **Total solution**

Count on Atlas Copco to deliver a complete air and nitrogen system, including:

- Compressor
- Nitrogen generator
- Dryer
- Filter
- Air tank



## Technical specifications

Model	Inlet pressure		Outlet pressure		Maximum FAD @ 50 & 60 HZ			Motor power		Motor speed	Dimensions (L x W x H in mm)		Weight (kg)	
	bar	psig	bar	psig	l/s	cfm	m³/hr	kW	hp	rpm	BM	BMC	BM	BMC
LTB 10-25	2-5	29-72.5	10-25	145-362.5	28.5	60	102	7.5	10	829	1600x790 x1049	1660x790 x1070	TBD	TBD
LTB 15-25					35.3*	75*	127*	11	15	603		TBD	TBD	
LTB 20-25					49.8	105	179	15	20	888	1710x790 x1070	TBD	TBD	
LTB 25-25					64.2	136	231	18.5	25	842	N/A		N/A	TBD
LTB 10-40	6-10	87-145	25-40	290-580	34.7	73	125	7.5	10	1184	1600x790 x1049	1660x790 x1070	TBD	TBD
LTB 15-40					48.5	103	174	11	15	802		TBD	TBD	
LTB 20-40					63.8	135	229	15	20	1205	1710x790 x1070	TBD	TBD	
LTB 25-40					77.5	164	278	18.5	25	1003	N/A		N/A	TBD
LTB 30-40					94.2	199	338	22	30	1173	N/A		N/A	TBD
LTB 40-40					124.8	264	448	30	40	1564	N/A		N/A	TBD

**Notes:**  
 \* FAD is 30 l/s, 63 cfm and 108 m³/hr @ 60 Hz.  
 - FAD is based on maximum inlet pressure & maximum outlet pressure.  
 - FAD is tested based on ISO 1217 Ed4 2009 (ambient temperature 20°C and relative humidity 0%).

## Options

- EQi central control
- High-pressure tank



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