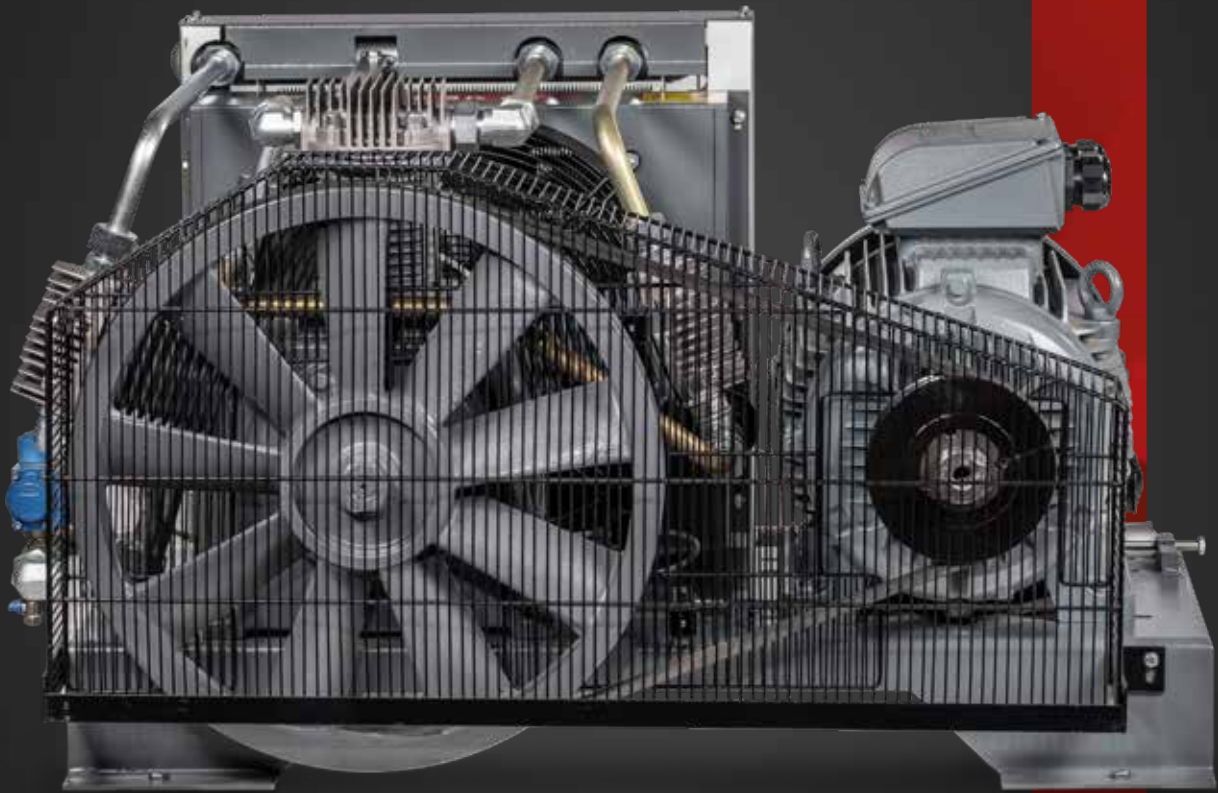


DBK BOOSTER

Oil Lubricated Reciprocating Booster
Air Compressors



7,5-30 kW

DALGAKIRAN



2,1-11,68
m³/min

7,5-30
kW

15-40
bar



DBK 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 kW/HP | Connection | Dimensions (mm) | | | Weight kg |
|-------------------------------|----------------------|-----|----------------------|-----|------------------------------------|-----|-------------------------------------|-----|-------------------------------------|-----|----------------|------------|-----------------|-------|--------|--------------|
| | Minimum bar - psi | | Maximum bar - psi | | 7 bar m ³ /min - cfm | | 10 bar m ³ /min - cfm | | 13 bar m ³ /min - cfm | | | | Length | Width | Height | |
| DBK BOOSTER 10 | 15 | 218 | 40 | 580 | 2,1 | 74 | 2,89 | 102 | 3,67 | 130 | 7,5/10 | 1" | 1286 | 825 | 753 | 300 |
| DBK BOOSTER 15 | 15 | 218 | 40 | 580 | 2,45 | 87 | 3,37 | 119 | 4,29 | 152 | 11/15 | 1" | 1286 | 825 | 753 | 300 |
| DBK BOOSTER 20 | 15 | 218 | 40 | 580 | 3,71 | 131 | 5,1 | 180 | 6,49 | 229 | 15/20 | 1" | 1357 | 820 | 758 | 330 |
| DBK 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 |
| DBK BOOSTER 30 | 15 | 218 | 40 | 580 | 5,56 | 196 | 7,65 | 270 | 9,74 | 344 | 22/30 | 1 1/4" | 1423 | 881 | 736 | 523 |
| DBK 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.
- DALGAKIRAN reserves its rights to make changes in its products and specifications without prior notice.