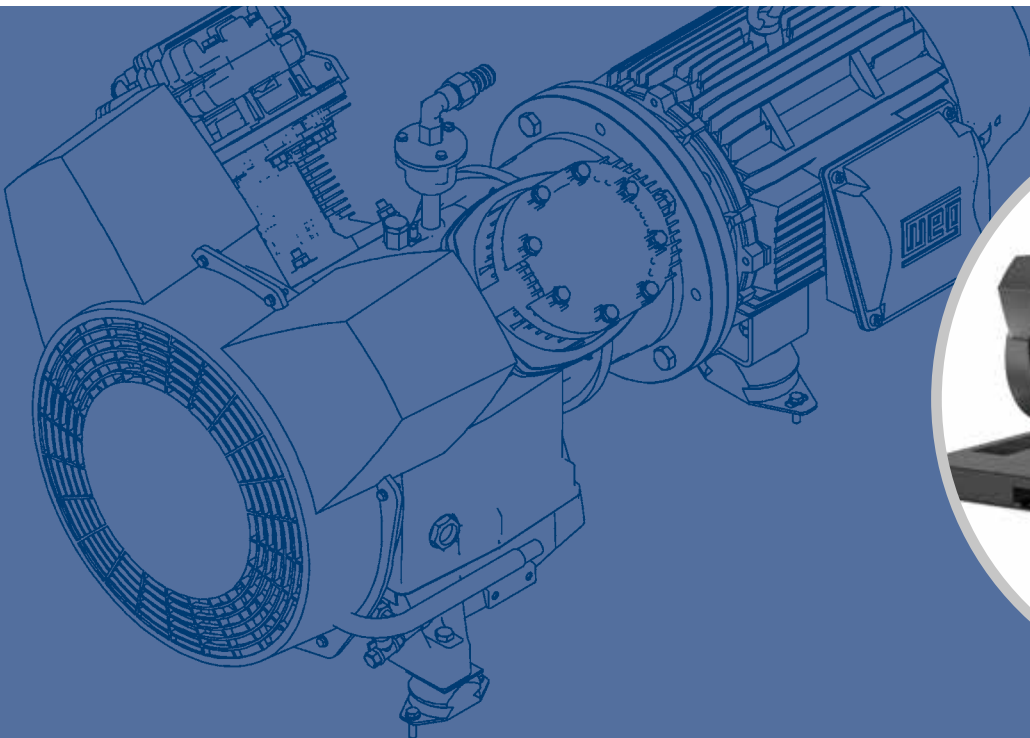


# bstAIR

## Boosters



bstAIR 15-20

**bst**AIR

### Direct-drive transmission

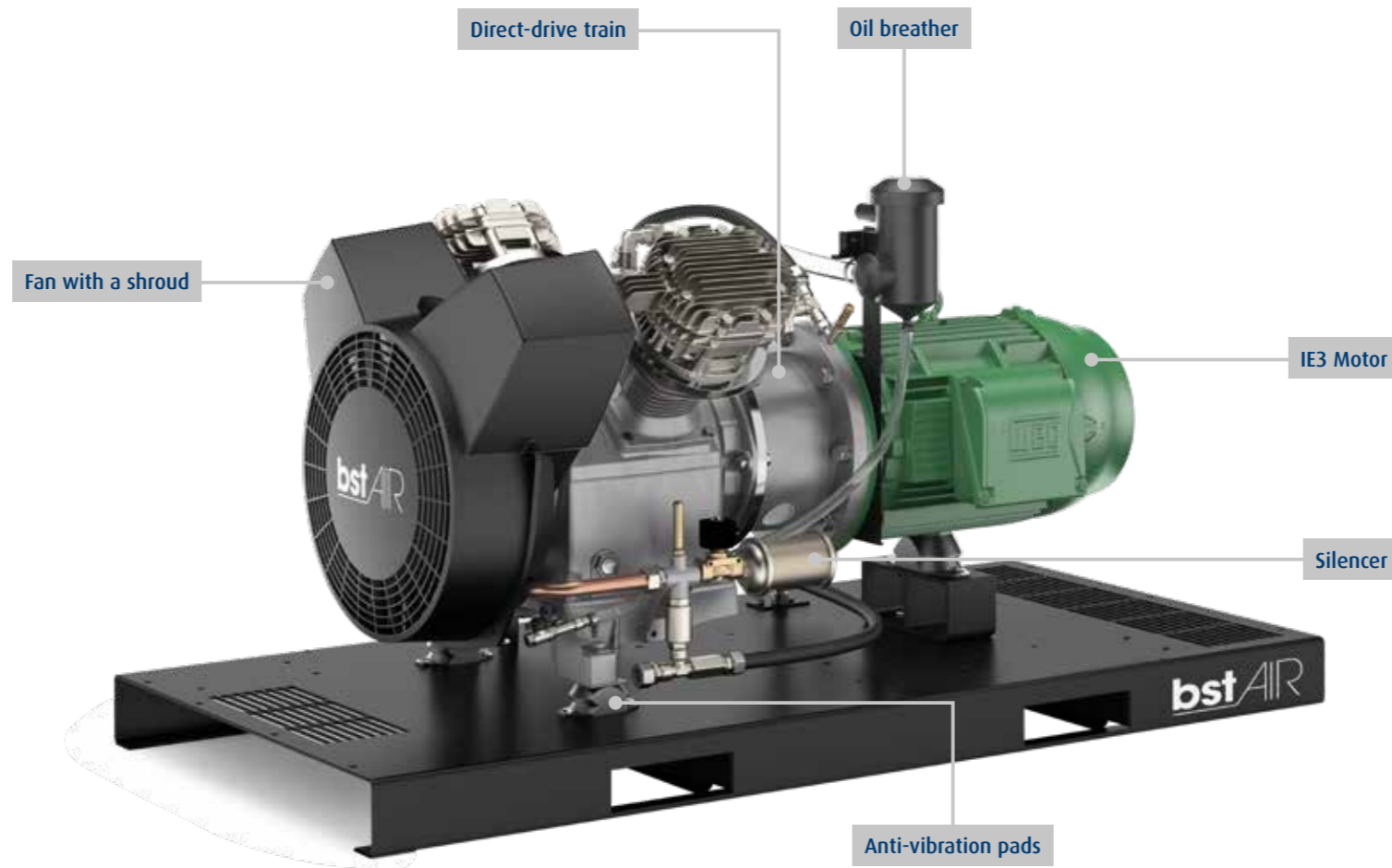
- Highly efficient IE3 IP55 motor
- Rubber coupling minimizes torque peaks
- Closed housing protects the drive from contamination
- Minimum transmission losses
- Soft starter increases the lifetime of the motor
- Low torque and load during the startup and gradual stop
- Cubicle provided with 24V power supply

### Reliable high-pressure pump

- Optimal operating temperature and low oil carryover
- Special treatment of steel valve plates
- Cylinders made of special aluminum alloy with additional treatment
- Die-cast aluminum crankcase
- Cast iron pistons and crankshaft
- Advanced lubrication principle of the components in the pump

### Plug-and-Play solution

- Electrical cubicle, pressure switch, and hoses are delivered and connected to the unit
- Suitable for N<sub>2</sub> applications



### Cooling

- Axial fan creates powerful cooling flow
- Fan shroud ensures proper direction of the cooling flow
- Deeply finned cylinders and cylinder heads

### Air and oil circulation

- Inlet and outlet pressure switches and safety valves for additional protection and proper operation of the booster
- Oil separator and oil breather reduce the amount of oil released into the ambient air and return oil to the crankcase
- Oil is distributed via the crankshaft channels

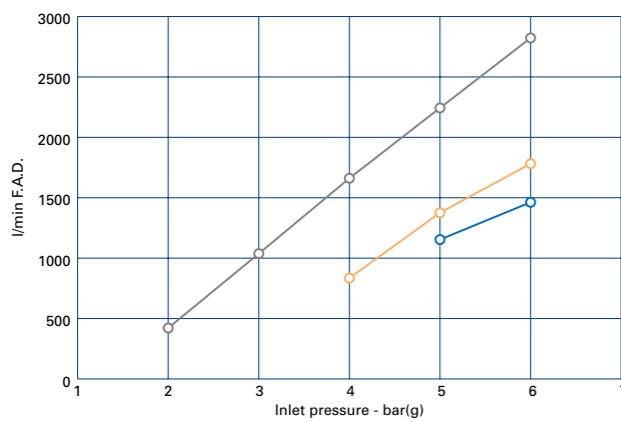
### Low vibration level

- V-shaped pump
- High-class anti-vibration dampers made of stainless steel with rubber element inside
- Optimal size and positioning of the pads

### Options for better performance

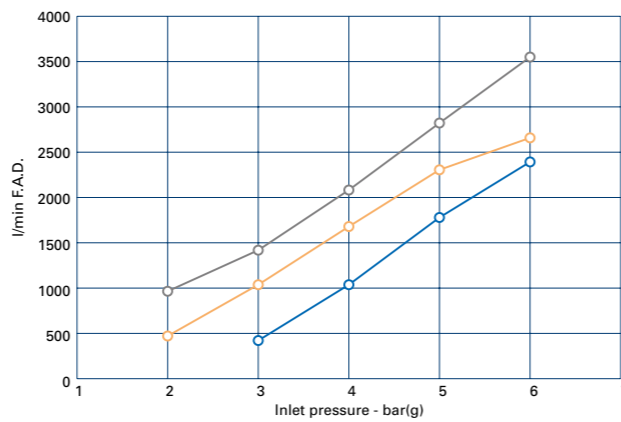
- Oil level switch
- Low-pressure inlet filters
- High-pressure outlet filters
- High-pressure aftercooler

bstAIR 15



- 20 bar(g)
- 30 bar(g)
- 40 bar(g)

bstAIR 20



## Technical specifications

### PERFORMANCE

Model	Max. inlet pressure	Max. outlet pressure	Free Air Delivery		Recommended inlet flow		Motor Power		Noise level
	bar	bar	m <sup>3</sup> /h	l/s	m <sup>3</sup> /h	l/s	kW	hp	db(A)
bstAIR 15	6	40	87.2	24.2	104.4	29.0	11	15	83
bstAIR 20	6	40	144.0	40.0	172.8	48.0	15	20	83

Unit performance measured according to ISO 1217, Ed. 4, Annex C-2009.  
Mean noise level measured according to ISO 2151, Ed. 2004; tolerance 3 dB(A).

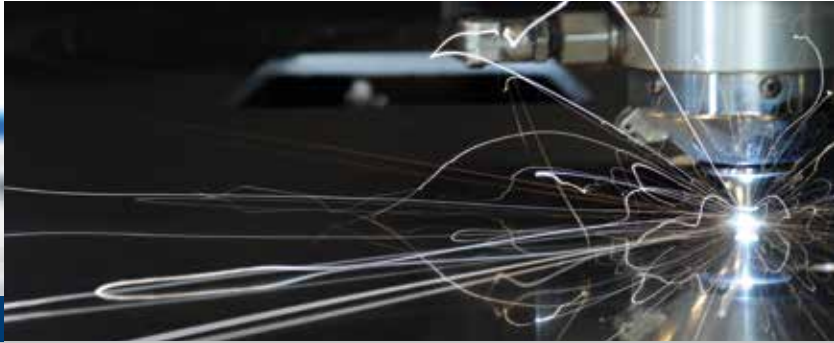
### DIMENSIONS

Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
bstAIR 15	1600	700	780	205
bstAIR 20	1600	700	780	210

Packaging: carton box on pallet



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