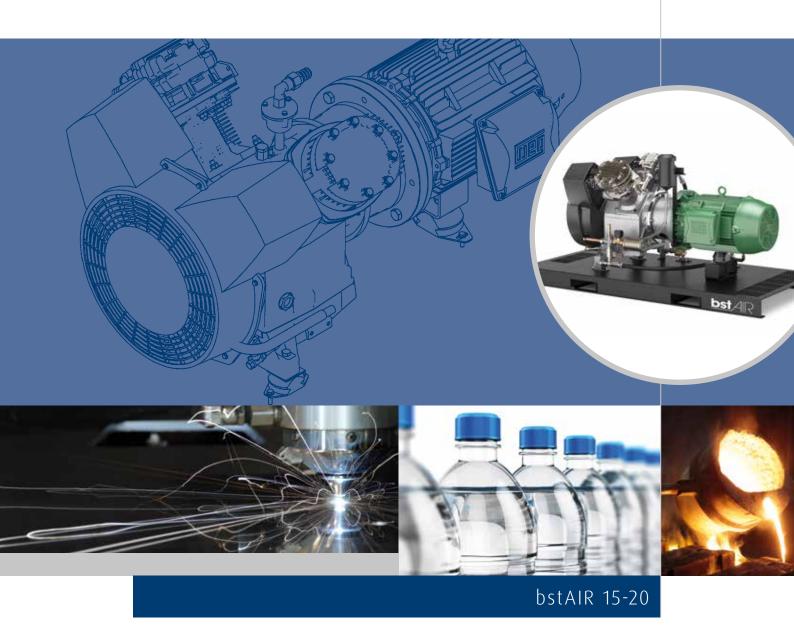
bstAIRBoosters



bst/

Direct-drive transmission

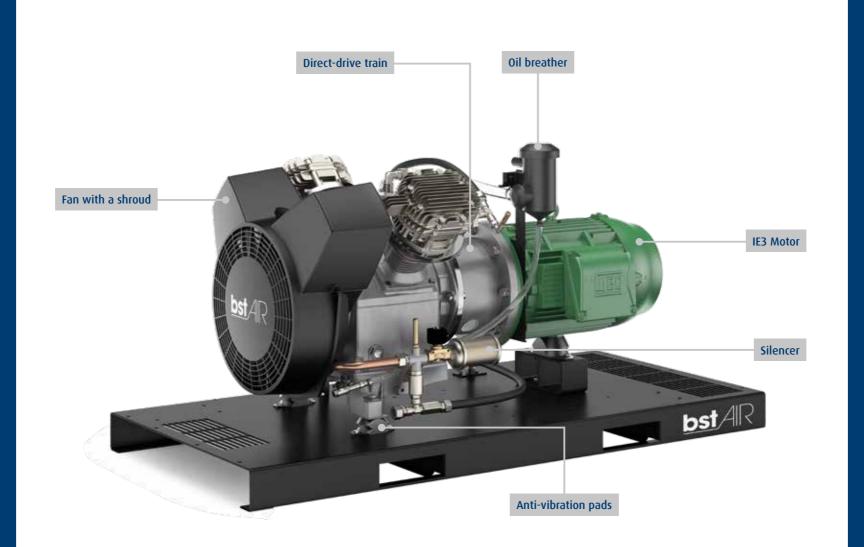
- Highly efficient IE3 IP55 motor
- Rubber coupling minimizes torque peaks
- Closed housing protects the drive from contamination
- Minimum transmission losses
- · Soft starter increases the lifetime of the motor
- Low torque and load during the startup and gradual stop
- Cubicle provided with 24V power 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
- Suitable for N₂ 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

- are delivered and connected to the unit

Technical specifications

PERFORMANCE

Model	Max. inlet pressure	Max. outlet pressure	Free Air Delivery		Recommended inlet flow		Motor Power		Noise level
	bar	bar	m³/h	I/s	m³/h	I/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

bstAIR 3000	15				
2500					
2000					
I/min F.A.D.					•
1000					
500					
0 1	<u> </u>				
1	2	3 Inlet	4 pressure - bar(5 g)	6 7

bstAIR 20

1000

500

Inlet pressure - bar(g)



L. LAID AF

-0- 40 bar(g)

bstAIR 15-20 bstAIR 15-20



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