

BAUER COMPRESSOR

SPECIFICATIONS

High-Pressure Breathing Air System Technical Data Sheet

Manufacturer:	Bauer Compressors, Inc. (Norfolk, VA, USA)	Model No:	JR11-E1/220/50 (Junior II Series)
Block No:	10P11314/03		

Performance & Output

Operational Parameters	
Charging Rate (Flow Rate)	100 l/min (~3.5 SCFM)
Maximum Operating Pressure	330 bar (4,786 PSI)
Working Pressure Range	220 bar to 320 bar
Compression Stages / Cylinders	3 Stages / 3 Cylinders
Compressor Block Speed	2,300 RPM

Electrical & Drive System

Motor Specifications	
Motor Configuration	Single-phase Electric Motor (E1)
Supply Voltage	220 V
Frequency	50 Hz
Power Output	2.2 kW (~3.0 HP)

Lubrication & Fluid Management

Fluids & Purification	
Oil Capacity	~360 ml
Oil Type	Synthetic compressor lubricant
Air Purification System	P21 Triplex System (Complies with DIN EN 12021)

Physical & Environmental Properties

Dimensions & Limits	
Net Weight	~52 kg
Dimensions (L x W x H)	69 x 40 x 44 cm
Ambient Temperature Range	+5 °C to +45 °C
Max Operating Altitude / Tilt	2,000 meters / 5° maximum incline