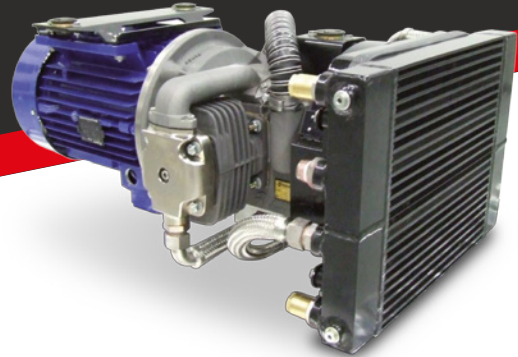




BURAN CSS

Oil free reciprocating compressor



LOW WEIGHT, LOW NOISE, HIGH RESILIENCE TO EXTREME MAINTENANCE-FREE COMPRESSOR

The Buran product family features a full suite of references covering all passenger trains

Daily compressor oil checks, and oil and filter replacing/recycling have been the operator's burden for decades making oil-free technology a must. The Buran oil-free piston compressor is Wabtec's answer for a greener, cleaner air generation system for all transit trains.

The Buran compressor family is totally maintenance-free: 12,000 hours / 8 years MTBO, with no maintenance or intervention between two overhauls. This drastically cuts maintenance costs over the year, while adding world class reliability.

The latest generation of Buran technology (CSS) has reached a high level of maturity, benefiting from the foundation of thousands of compressors sold around the globe, and performing in various climate and operation conditions.

KEY CUSTOMER BENEFITS

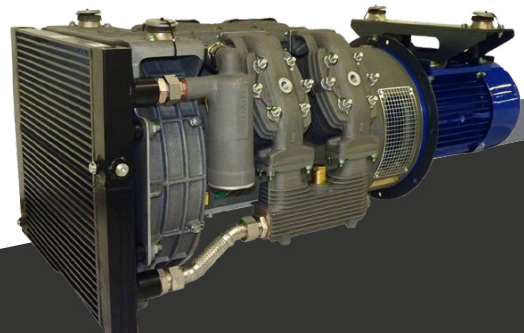
Capable of withstanding extreme conditions (temperature, low duty cycle), across worldwide applications.

Capable of operating at very low temperatures (-50°C).

Greatly reduced maintenance cost; no maintenance between overhauls, very simple design, easy maintenance.

Clean air, free from oil : No environmental pollution, no dryer desiccant contamination. No longer need to store & recycle condensates on board trains.

Multiple installation possible (underframe, roof, inside).



THE BURAN RANGE

	50Hz	60Hz
Buran 5 4 poles 121 kg	560	670
Buran 8 4 poles 130 kg	830	990
Buran 10 4 poles 230 kg	1 300	1 600
Buran 20 4 poles 270 kg	1 580	1 900
	1 900 liters/minute	

PRODUCT SPECIFICATIONS

Fully mature and capable technology to cope with harsh environmental and complex operational conditions

Duty cycle from 5%* - 70%**

MTBO: 12,000 pumping hours, no maintenance operation between two overhauls

Air outlet temperature: Ambient +5°C

Operating temperature: -50°C / + 60°C

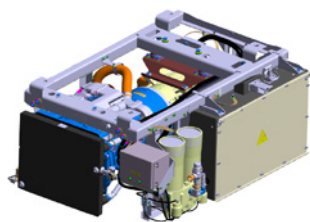
Relative humidity: 0%-99%

Shocks & Vibration: Category 1 Class A – EN 61373

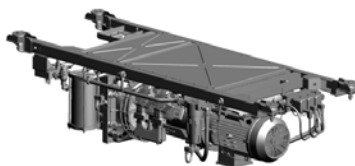
Design for low noise

**Duty cycle lower than 5% is acceptable in parking mode*

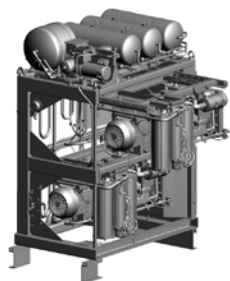
***Duty cycle higher than 70% is acceptable in case of air consumption peak*



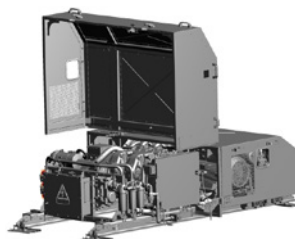
Buran 10
Under frame mounting
with inverter for metro



Buran 8
Under frame
mounting for metro



Buran 20
Inside cabinet mounting
for locomotive



Buran 20
Roof mounting for
regional train

CONTACT

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