



# BURAN CSS

*Oil Free reciprocating compressor*

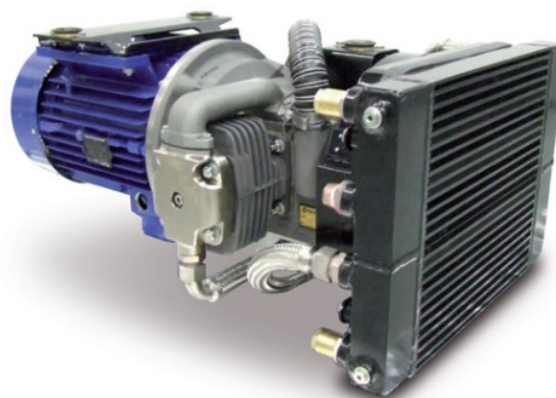
## LOW WEIGHT, LOW NOISE, HIGH RESILIENCE TO EXTREME MAINTENANCE-FREE COMPRESSOR

**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

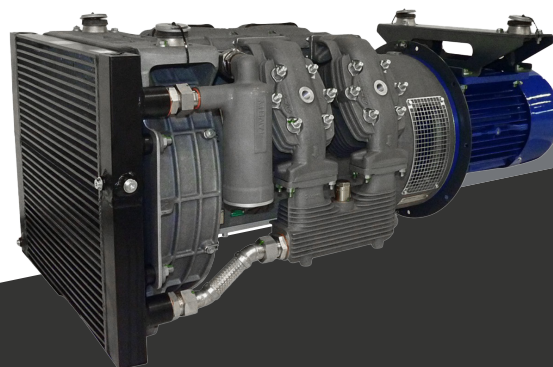
Capable of withstanding extreme conditions (temperature, low duty cycle), across worldwide applications.

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
<b>Buran 5</b> 4 poles, 121 kg	560	670
<b>Buran 8</b> 4 poles, 123 kg	830	990
<b>Buran 10</b> 4 poles, 205 kg	1300	1600
<b>Buran 20</b> 4 poles, 240 kg	1580	1900
<b>Buran 22</b> 4 poles, 280 kg	2000	2400

2400 liters/minute

## PRODUCT SPECIFICATIONS

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

Recommended duty cycle: 5% - 70%\*  
(\*higher DC up to 100% is allowed to address any air consumption peak)

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

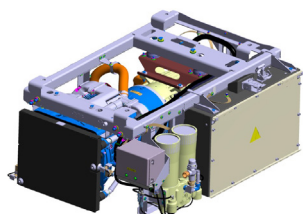
Air outlet temperature: Ambient +5°C

Operating temperature: -50°C / + 60°C

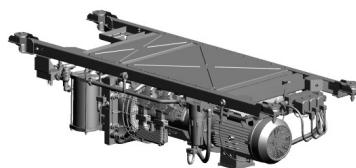
Relative humidity: 0%-99%

Shocks & Vibration: Category 1 Class B – EN 61373

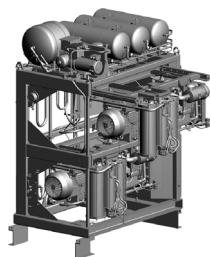
Design for low noise



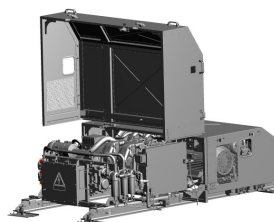
**Buran 10**  
Under frame mounting  
with inverter for metro



**Buran 8**  
Under frame  
mounting for metro



**Buran 20**  
Inside cabinet mounting  
for locomotive



**Buran 20**  
Roof mounting for  
regional train

## CONTACT

**Wabtec Corporation**  
30 Isabella Street  
Pittsburgh, PA 15212 - USA  
Phone: 412.825.1000  
Fax: 412.825.1019

[WABTECCORP.COM](http://WABTECCORP.COM)