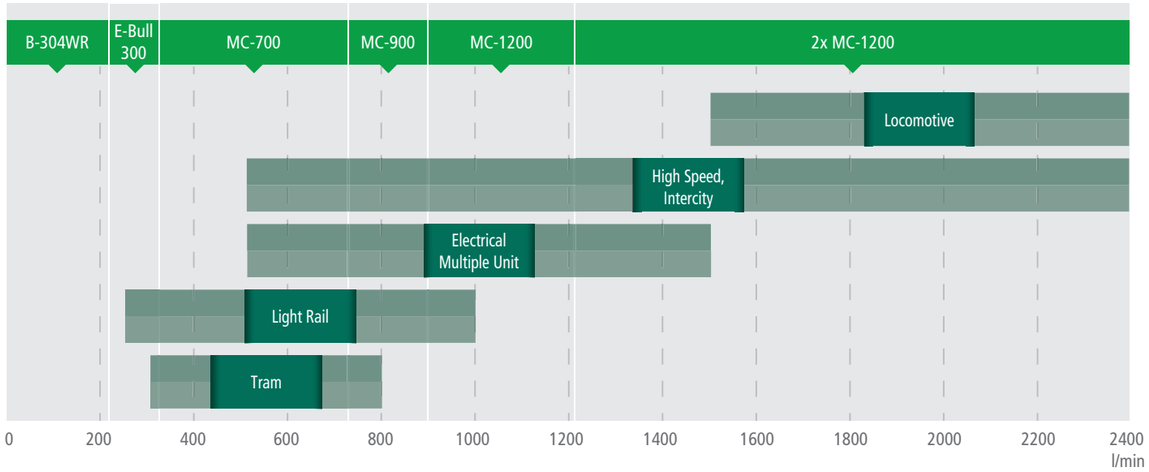
Technical data

Type	Delivery rate at 9 bar (l/min)	Nominal pressure PN (bar)	Sound Pressure Level at PN (@ 4,6 m) dB (A)	Mechanical Power (kW)	Weight (kg)	Dimensions LxWxH (mm)
Main air						
B-304WR	199	10	64	2,5	58,5	604x351x278
E-Bull 300	290	10	59	3,0	45,0	467x496x286
RC-800*	835	9	–	–	117,0	500x713x680
RC-1000*	1000	9	–	–	105,0	520x740x630
MC-700	720	10	60	7,5	200,0	940x650x510
MC-900	920	10	65	9,5	200,0	940x650x510
MC-1200	1220	10	69	11,0	250,0	1089x642x495

Data at 50 Hz, further voltages and frequencies available on request
*** without motor, with direct coupling, available also with belt drive and with motor**

At a glance



References

- TGV, MF77 (Alstom)
- Z150 / Z850 (Stadler)
- Val 206 (Siemens)
- AM86 (Bombardier)
- KTX, EMU Serie 2000, LRV (Hyundai Rotem)

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air meets mobility

Oil-free main air compressors for rail traffic

DÜRR TECHNIK

Dürr Technik: The oil-free compressor specialist

Dürr Technik ■ Quality
■ Made in
■ Germany

The power in the background – Compressed air from Dürr Technik for the important functions of a train

As a specialist in oil-free piston compressors, Dürr Technik combines its long experience with an innovative spirit to meet the most extreme demands in railway.

From auxiliary air to main air, from rising up the pantograph to brake systems, we customize solutions to the train's individual characteristics. All our products are optimized for maximum performance under tough conditions, saving time, effort and maintenance costs with their robust, innovative technology.

As the first oil-free railway main air compressor manufacturer worldwide we serve the highest quality – because the compressor is the core of the air supply for railway vehicles.

Advantages

A major advantage of **oil-free technology** is the omission of any working steps related to oil, such as oil-level checks and oil change.

Furthermore, none of the compressor´s functions are affected by oil vapors.

The **compact build** of our units makes them ideal for installation within limited space.

High-quality components and materials ensure **reliability and durability**, as well as making our products dirt and shock resistant.

Special vibration dampers and spring elements ensure **low noise and vibration levels** to guarantee optimal driving comfort.

Our compressors are optimized for **low life cycle costs** and save costs for oil, filters and disposal. Servicing costs are significantly lower due to the oil-free technology.

High-efficiency motor concepts **save energy costs**.

Innovative components and **high-quality materials** ensure a long lifetime, and by longer intervals for maintenance **keep maintenance costs to a minimum**.

Products

Marathon B-304WR

- Oil-free 4-cylinder auxiliary air compressor aggregate with highly intensive cooling for continuous running and an extreme long operational lifetime
- Special suction filter with a bigger surface for an optimal suction behavior

E-Bull-300

- Oil-free 2-cylinder auxiliary air compressor aggregate with an AC-motor suitable for frequency inverter operation and extended operating temperature range
- Extreme long operational lifetime
- Compact solution with high flow rate

RC series

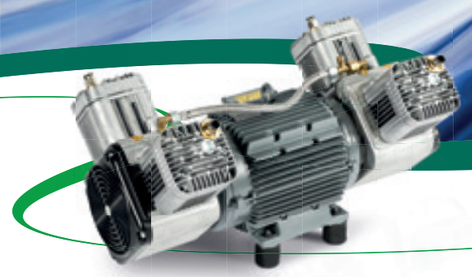
- First oil-free main air compressor in rail traffic worldwide
- Modular concept - ideally suited for retrofit (direct drive and belt drive)
- Subjected to long-term tests and homologated / certified by SNCF

MC series

- Oil-free piston compressor with 3 cylinders
- Compact sound-proofed housing to protect against dust and stone-chipping
- Integrated cooling system for a guided airflow and a temperature reduction of up to 15°C
- Condensate removal system

- Low vibration due to the star-shaped arrangement of the cylinders

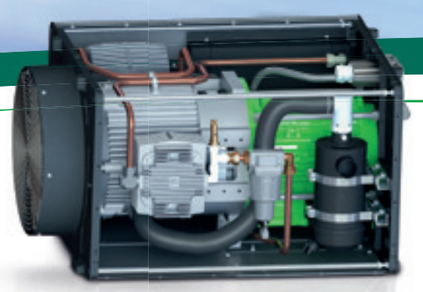
- FU-enabled motors / IE3 motors



Marathon Series

E-Bull Series

RC Series



MC Series