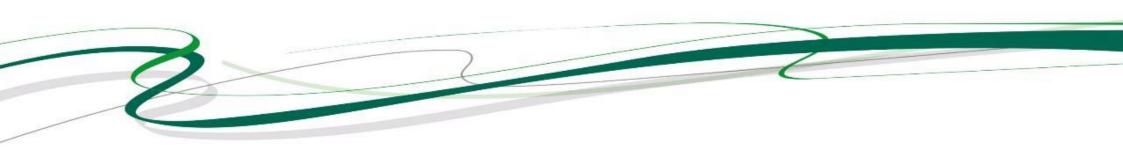




New series MC & RC Oilfree Main Air Compressors



Technical Data

	L a sa ast la	VA/: -141-	Haimbt	Mainlet	Mechanical	FAD		Milestones		
Туре	Length (mm)	(mm)	Height (mm)	Weight (kg)	power (kW)	FAD (I/min) 50 Hz @ 9 bar	Prototypes	Serial production	Free for tenders	
MC-400	700	650	533	105	3,7	420	09/17	03/18	03/17	
MC-700	940	650	510	220	7,5	720	1	05/17	√	
MC-1000	940	650	510	230	7,5	1020	05/17	07/17	\	
MC-1200	1089	642	495	320	11	1220	08/17	06/18	06/17	
RC-800 *	500*	713	680	117*	-	835	√	02/17	1	
RC-1000 **	520	740	630	127*	11	1000	1	1	1	0.000
*: incl. Direct couplimg and f	*: incl. Direct couplimg and filters, without motor **: incl. Direct couplimg, without motor and filter				NII					

^{*:} incl. Direct coupling and filters, without motor

Benefits of the MC-Range



Environment -friendly

Thanks to the oil free technology, the oil deposits due to the discharge of condensate would not be necessary anymore and hence an elimination of groundwater pollution. Compared to similar models, the MC-Range is distinguished by its low noise level- The compressor is integrated in a fully closed soundproofing box, which protects it from all external agents and enables a further noise reduction.



Economical

Through the maintenance reduction, the life cycle costs are significantly lowered. The periodic maintenance is limited on a simple change of air filters and cleaning of cooling systems. Compared to oil-lubricated solutions, intensive revision levels, periodic change of oil and of the air-oil separator filters is not needed anymore. Thanks to the innovative materials, a.o. for the compression rings, a long life time is ensured.

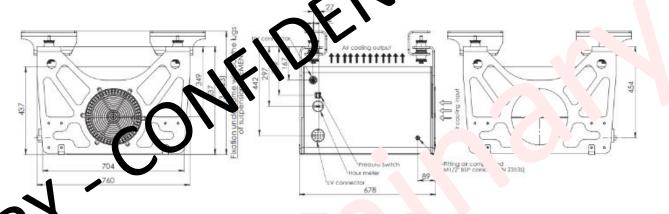


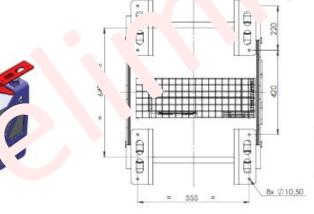
Flexible

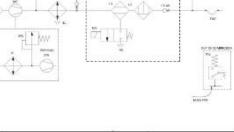
With its small dimensions, the MC-range is very straightforward to install. The compressor can be installed on the roof, under the body or on side panels. The maintenance steps can easily conducted on the train, without dismantling the unit. The RC-range offers also flexibility through adapting the motor assembly to the volume limitation: direct and belt drive are both possible.

MC-400

TECHNICAL CHARACT	TERISTICS MC-400
Technology	Oil free piston
Туре	Two stages
Number of cylinders	2
FAD @ 9 bar	420 NI/min @50 Hz
Air quality (ISO 8573-1)	2.4.0
Ambient temperature	-25°C / +50°C
Output air temperature	+8°C ambient temperature
Motor voltage	400V / 3~ / 50Hz
Motor power	3,7 kW
Rotation Speed	1450 rpn at 51 Hz
Safety valve (EN ISO 4126-1)	8 14 ban
Duty cycle	Up to 100%
Maximal working pressure	12 bar
Noise level	76 dB (A)
Weight	90 kg / 105 kg





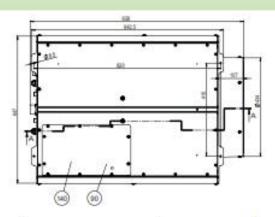


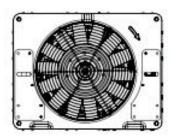
AF	Acrite	0	Dages
MC	Main Compressor	.01/02	Columns
CPR	Compression	EVI	Solenoid Valve columns
IC	.Inter cooler	H2	Heater air dryer
SVL	Safety Valve 1" stage at 8 bor (DIN EN ISO 4126.1)	FF:	1µ Final Filter integrated in the siner
SV2	Safety Valve 2nd stage at 12 bar (DIN EN BO 4126-1)	CVAD	Check valve air dryer
AC	After Cooler	P51	Pressure switch Low Air Alarm
H1	Heater after cooler	PAO	Flexible Air Outlet
TP	Test Point	P32	Precome owitch Start Stop Control

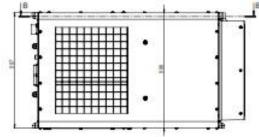
MC-700 - available

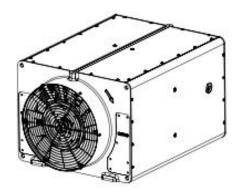
TECHNICAL CHARACT	TERISTICS MC-700
Technology	Oil free piston
Туре	Two stages
Number of cylinders	3 (2 LP & 1 HP)
FAD @ 9 bar	720 NI/min @50 Hz
Air quality (ISO 8573-1)	2.x.0
Ambient temperature	-50°C / +60°C
Output air temperature	+10°C ambient temperature
Motor voltage	400V / 3~ / 50-60 Hz
Mechanical Power	7,5 kW
Rotation Speed	1450 rpm at 50 Hz
Safety valve (EN ISO 4126-1)	12 bar
Duty cycle	Up to 100%
Maximal working pressure	11 bar
Noise level	73 dB (A)
Weight	220 kg

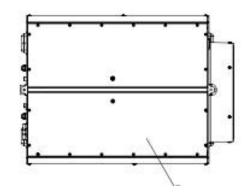










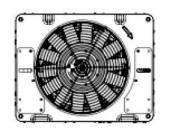


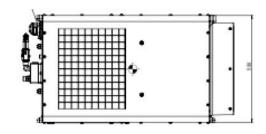


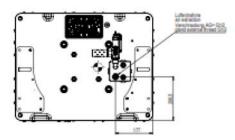
MC-1000 - available

TECHNICAL CHARACTERISTICS MC-1000

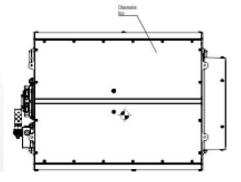
Technology	Oil free piston
Туре	Single stage
Number of cylinders	3
FAD @ 9 bar	1020 NI/min @50 Hz
Air quality (ISO 8573-1)	2.x.0
Ambient temperature	-40°C / +40°C
Output air	+10°C ambient
temperature	temperature
Motor voltage	400V / 3~ / 50-60 Hz
Motor power	7,5 kW
Rotation Speed	1450 rpm at 50 Hz
Safety valve (EN ISO 4126-1)	11 bar
Duty cycle	Up to 100%
Maximal working pressure	10.5 bar
Noise level	78 dB (A)
Weight	230 kg

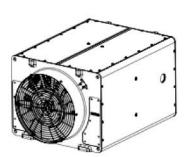








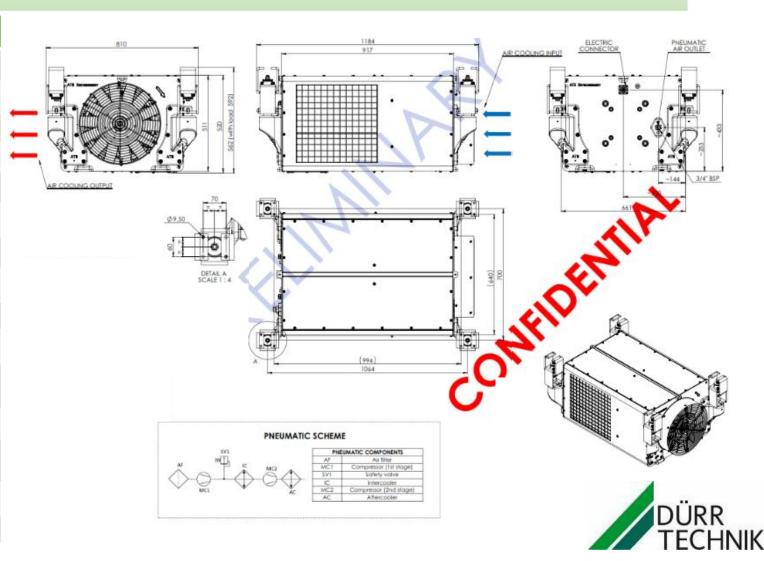






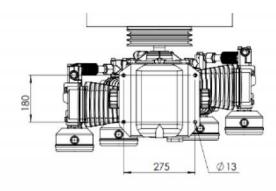
MC-1200

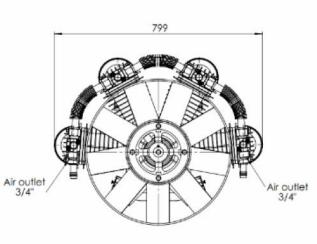
TECHNICAL CHARACTERISTICS MC-1200				
Technology	Oil free piston			
Туре	Double stage			
Number of cylinders	3 (2LP+1HP)			
FAD @ 9 bar	1220 NI/min @50 Hz			
Air quality (ISO 8573-1)	2.x.0			
Ambient temperature	-40°C / +50°C			
Temperature outlet	+15°C ambient temperature			
Motor voltage	400V / 3~ / 50Hz			
Motor power	11 kW			
Rotation Speed	1450 rpm at 50 Hz			
Safety valve LP (EN ISO 4126-1)	4 bar			
Duty cycle	Up to 100%			
Maximal working pressure	10.5 bar			
Noise level	82 dB (A)			
Weight	320 kg			

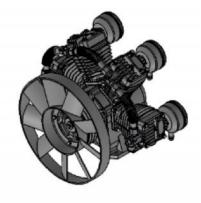


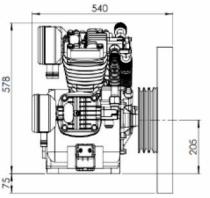
RC-1000

- 1st oil free compressor worldwide for braking system: since 2001
- Certified by the french national operator SNCF
- Modular system: direct drive / belt drive









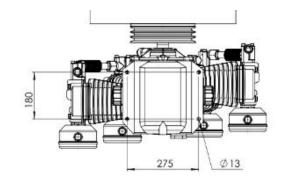


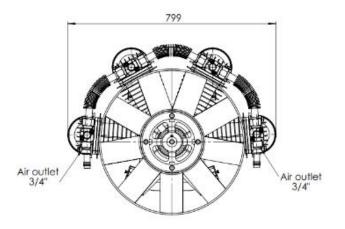


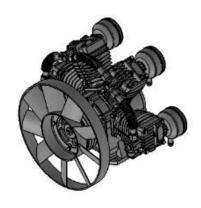
RC-1000B with belt pulley

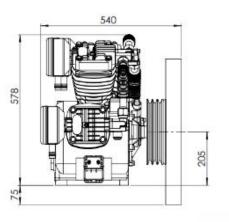
TECHNICAL CHARACTERISTICS RC-1000

Technology	Oil free piston
Туре	Single stage
Number of cylinders	4
FAD @ 9 bar	1000 NI/min
Air quality (ISO 8573-1)	-
Ambient temperature	-
Temperature outlet	-
Motor voltage	without
Motor power	without
Rotation Speed	960 rpm at 50 Hz
Duty cycle	50%
Maximal working pressure	10,5 bar
Noise level	-
Weight	127 kg



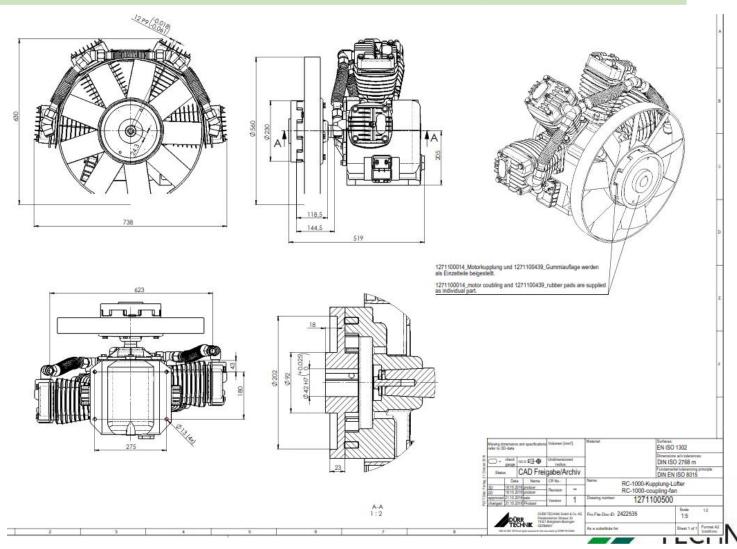






RC-1000 with direct coupling

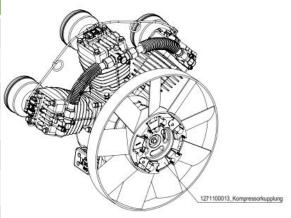
TECHNICAL CHARACTERISTICS RC-1000				
Oil free piston				
Single stage				
4				
1000 NI/min				
-				
-				
-				
without				
without				
960 rpm at 50 Hz				
50%				
10,5 bar				
-				
127 kg				

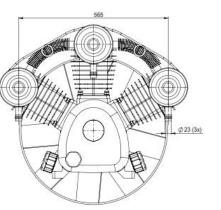


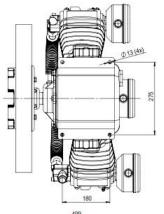
RC-800 with direct coupling

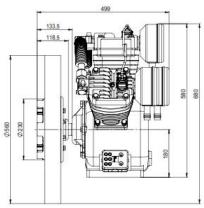
TECHNICAL CHARACTERISTICS RC-800

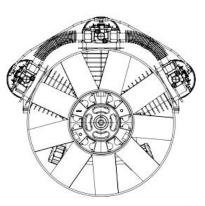
Technology	Oil free piston
Туре	Single stage
Number of cylinders	3
FAD @ 9 bar	800 NI/min
Air quality (ISO 8573-1)	-
Ambient temperature	-
Temperature outlet	-
Motor voltage	without
Motor power	without
Rotation Speed	960 rpm at 50 Hz
Duty cycle	50%
Maximal working pressure	10,5 bar
Noise level	-
Weight	117 kg





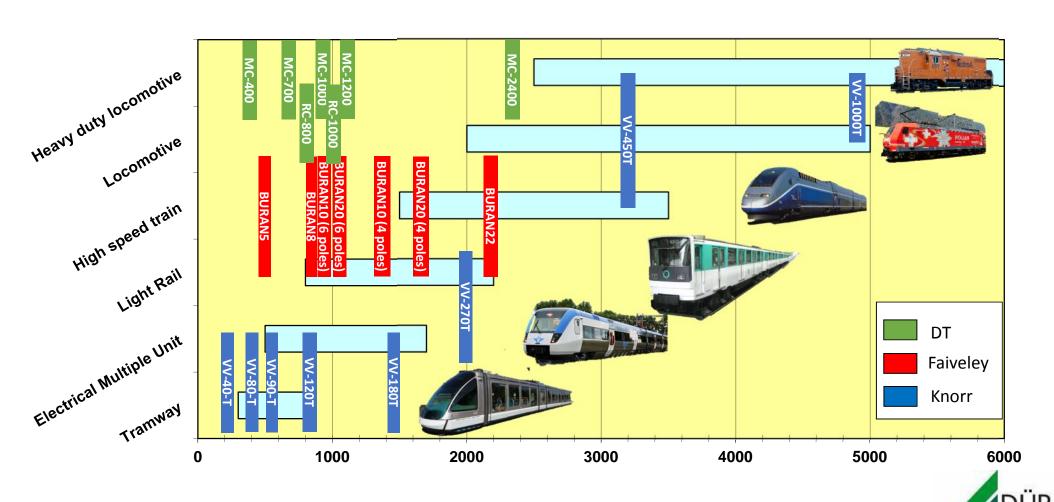






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	4.		SR TECHNIK Grant & Co telefolorer Strause 30	165	Pro.File-Doo-ID: 2412858	Scale 1:5

Competitors with oil free piston compressors



References

- AM86 (Bombardier / SNCB)
- KTX (Hyundai Rotem / Korail)
- MF77 (Alstom / RATP)
- TGV (Alstom / SNCF)
- Val 206 bis (Siemens / Keolis)
- Z150 / Z850 (Stadler / SNCF)

