

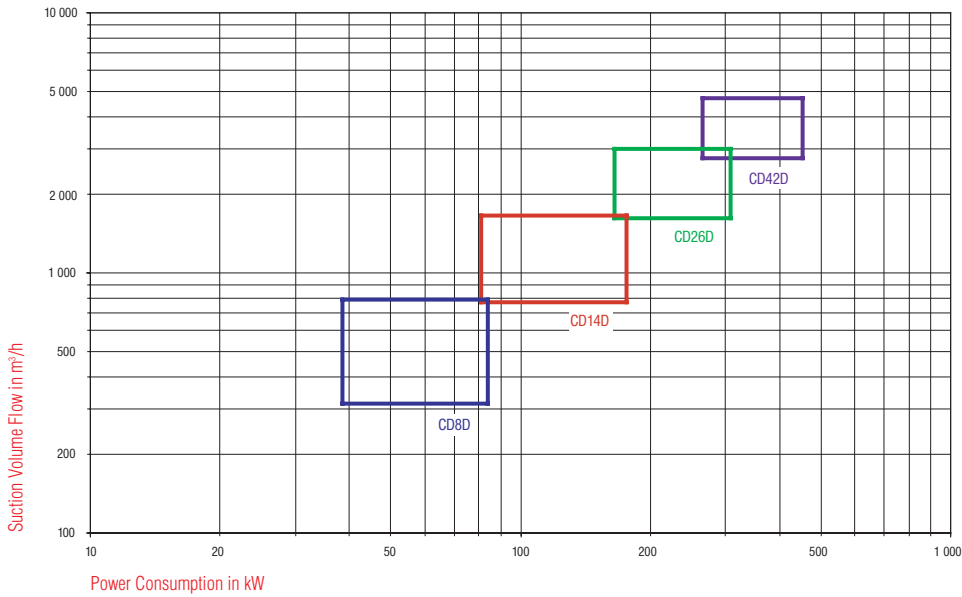
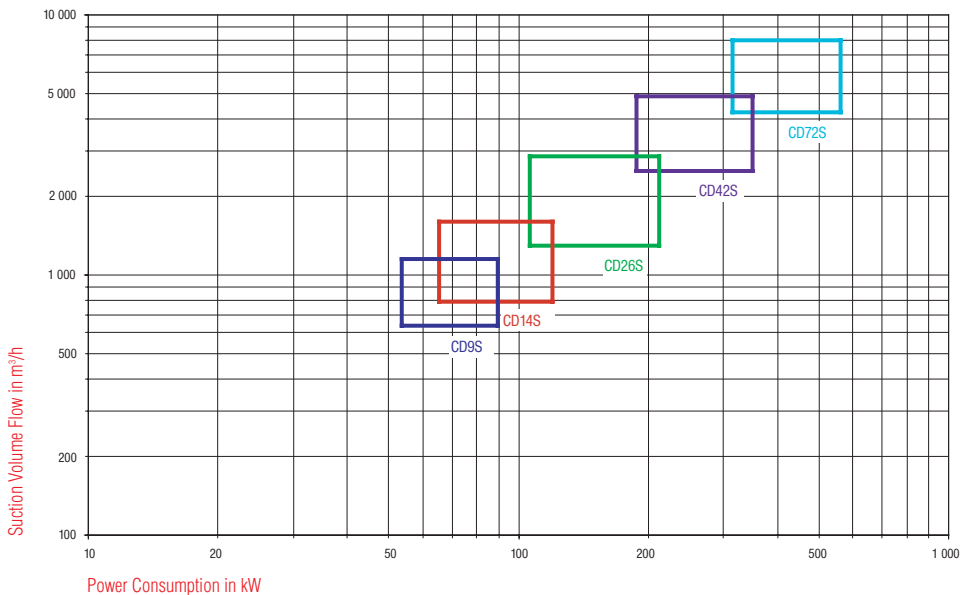
A close-up photograph of several red compressor blocks, showing their curved, ribbed surfaces and the gaps between them. The lighting creates strong highlights and shadows, emphasizing the metallic texture and the repetitive pattern of the blocks.

# C D S E R I E S

oil-free compressor blocks

# i n c r e a s i n g r e l i a b i l i t y

Operating range of the series



GHH RAND is one of the world's leading high-technology companies. For over 50 years GHH RAND develops, designs, and manufactures oilinjected and oil-free compressed air solutions for many different applications.

We are the pioneers in the sector of oil-free compressors. The first oil free compressor was produced by our company.

We offer a wide product range: from airends to customized compressed air systems, always with highest reliability in the industry.

For production of our screw airends we utilize newest and most advanced technologies, which allow us to reach minimum manufacturing tolerances, high precision assembly and testing under extreme conditions. The quality of our compressed air solutions is very well known and acknowledged world wide.

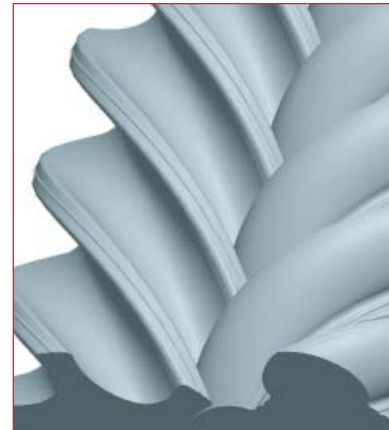
Our engineers continuously develop our products in order to fulfill and even exceed customer's requirements. Highest efficiency and reliability in the market are results of improvement of airend design and production processes done over the years.

Our oil-free product portfolio includes following units:

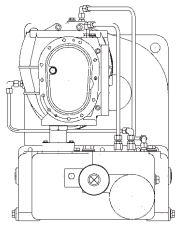
- 1-stage oil-free compressor blocks for continuous operation
- 1-stage oil-free compressor blocks for jet starter applications
- 1-stage oil-free compressor blocks for discharging of bulk materials
- 2-stage oil-free compressor blocks for continuous operation

## The highlights of our airends

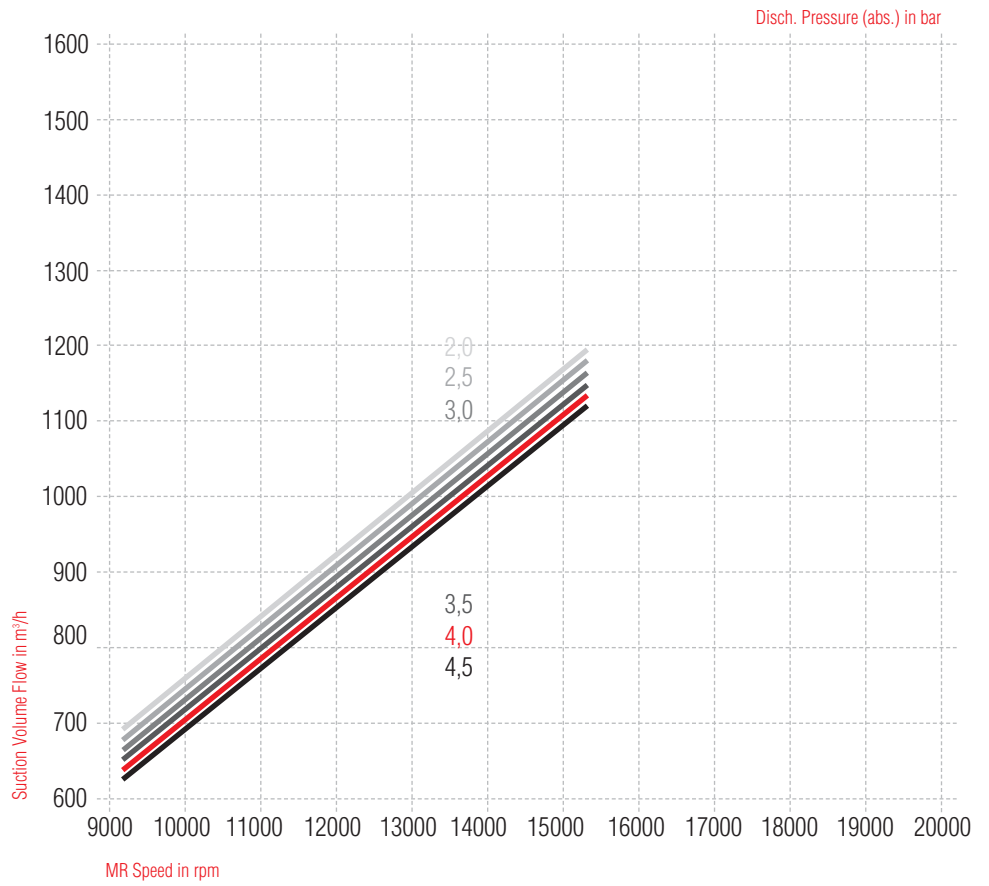
- Totally oil free air** \_Very reliable and field proved sealing arrangement ensures separation oil free area from the oil needed for lubrication of gears and bearings
- Robust design reliable in operation under the most difficult condition** \_working in dusty, wet, cold and hot environment possible
- Bearing arrangement guarantees long life without vibrations** \_The radial forces are compensated by cylindrical roller bearings, the axial forces are compensated by four-point bearings arranged on the discharge side.
- Low rotors rotation causes low vibration and noise level** \_Tight clearances between rotors themselves and between rotors and housing allow low rotation of the rotors and less power consumption
- High engineered gear driven design** \_The gear box is equipped with helical bullgear running in an anti-friction bearing. Rotors are dynamically balanced ensuring excellent running properties of the screw airends
- High efficiency due to GHH-Profiles** \_The rotors have optimized asymmetric profiles for this kind of application developed after many years of reasearch and field tests.
- Non-abrassive "Ultracoating" for long term high efficiency** \_Excellent Coating of rotors and inner part of housing allows reduction of clearances to a minimum and increases efficiency.
- Stainless steel rotors in the HP-stage** \_Elimination damage through corrosion and rusting after longer shut-down times.



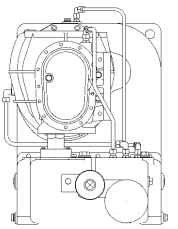
## PERFORMANCE CD9S



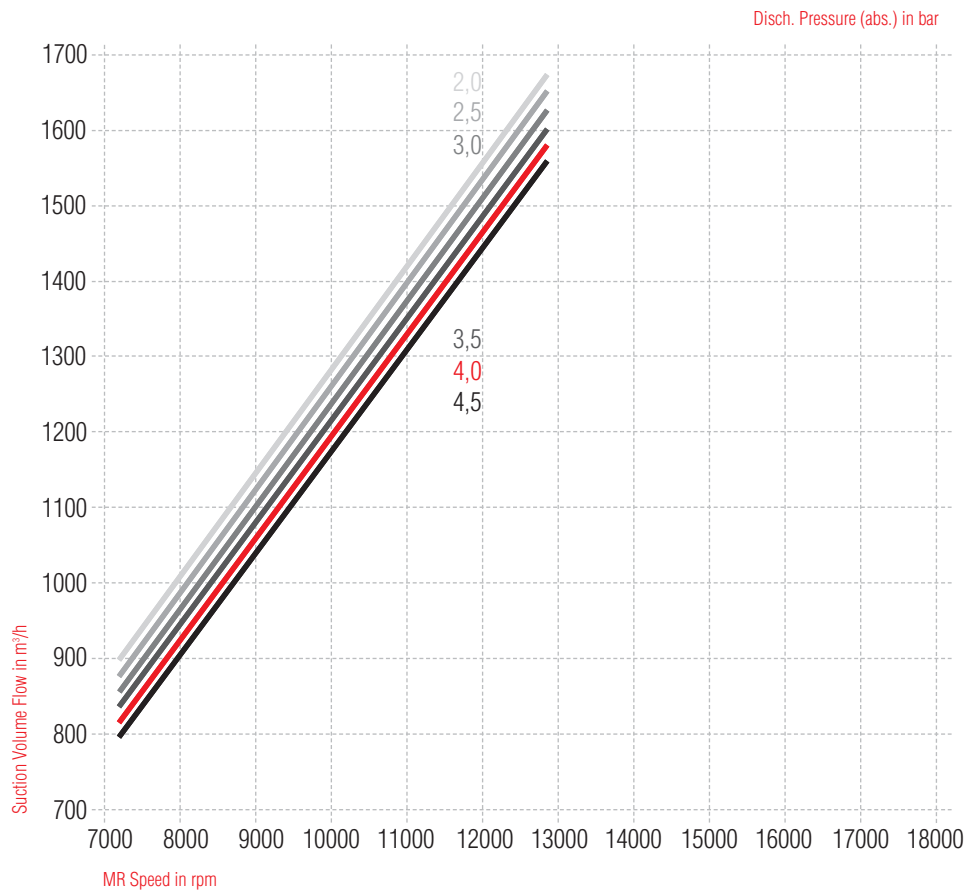
Length \_792 mm  
 Width \_510 mm  
 Height \_672 mm  
 Weight \_245 kg

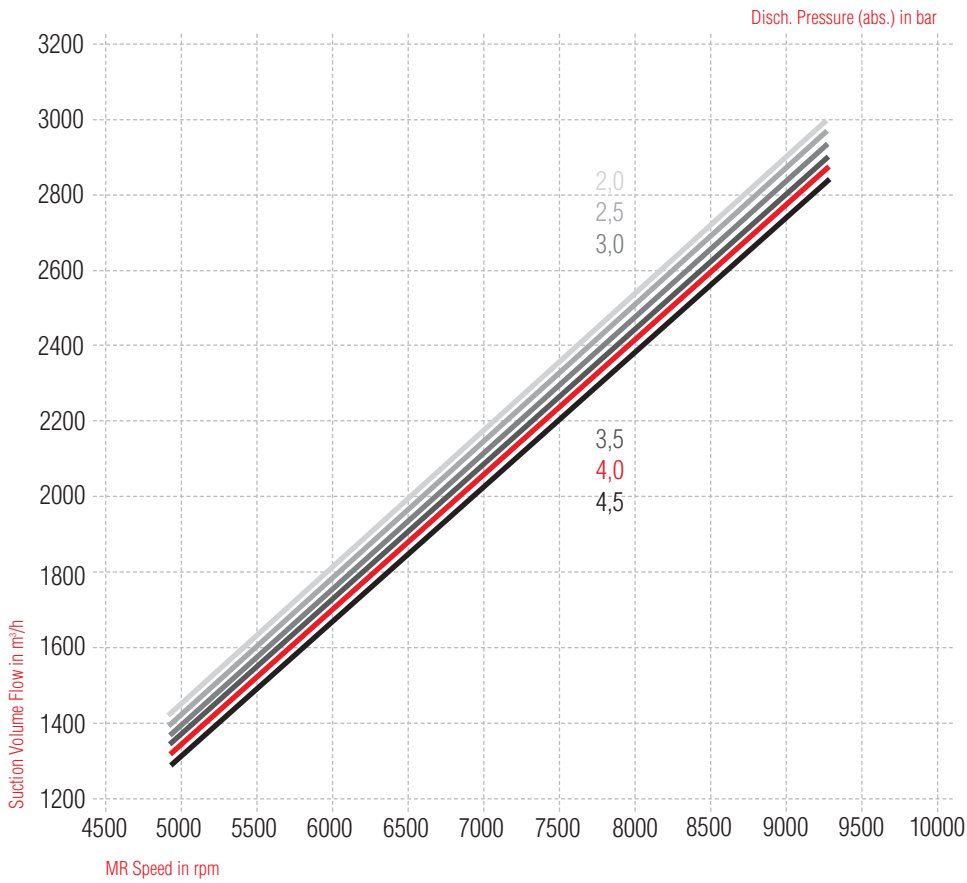


## PERFORMANCE CD14S

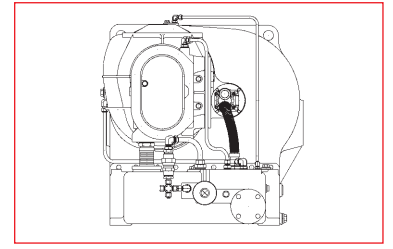


Length \_822 mm  
 Width \_530 mm  
 Height \_713 mm  
 Weight \_300 kg

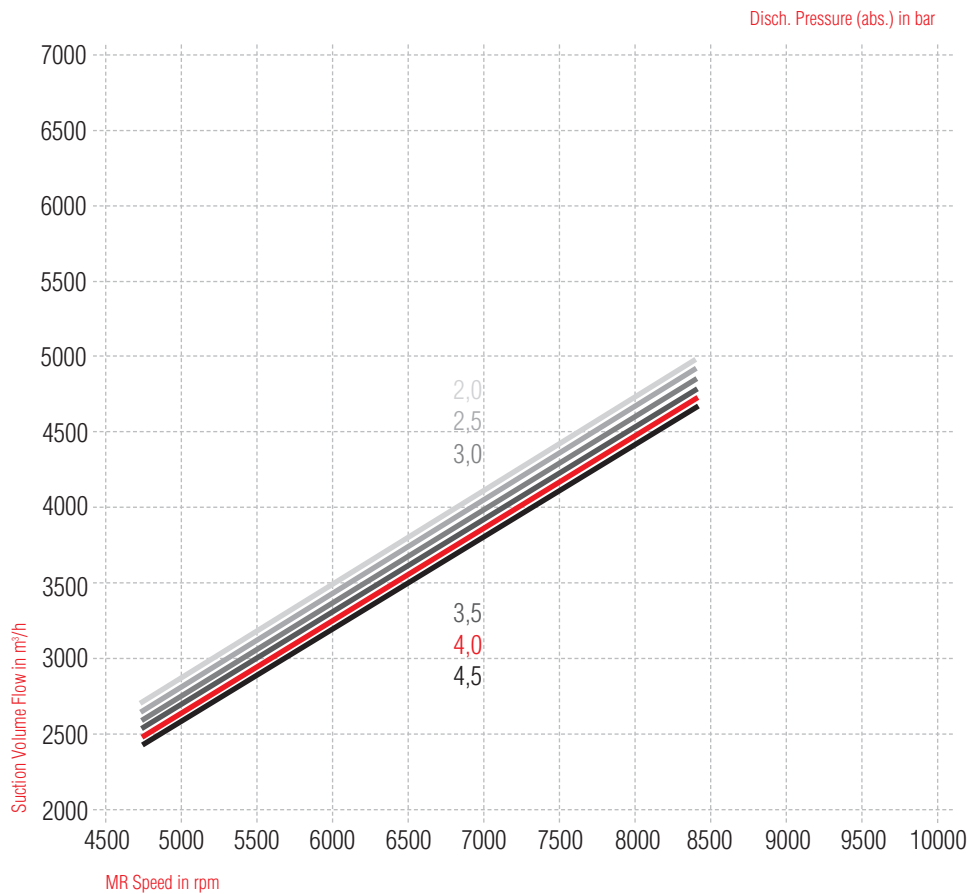




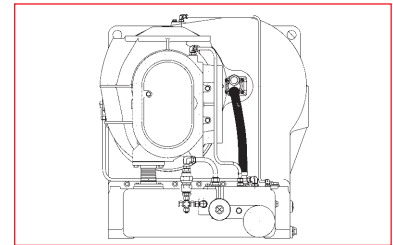
## PERFORMANCE CD26S



Length \_967 mm  
Width \_835 mm  
Height \_865 mm  
Weight \_630 kg

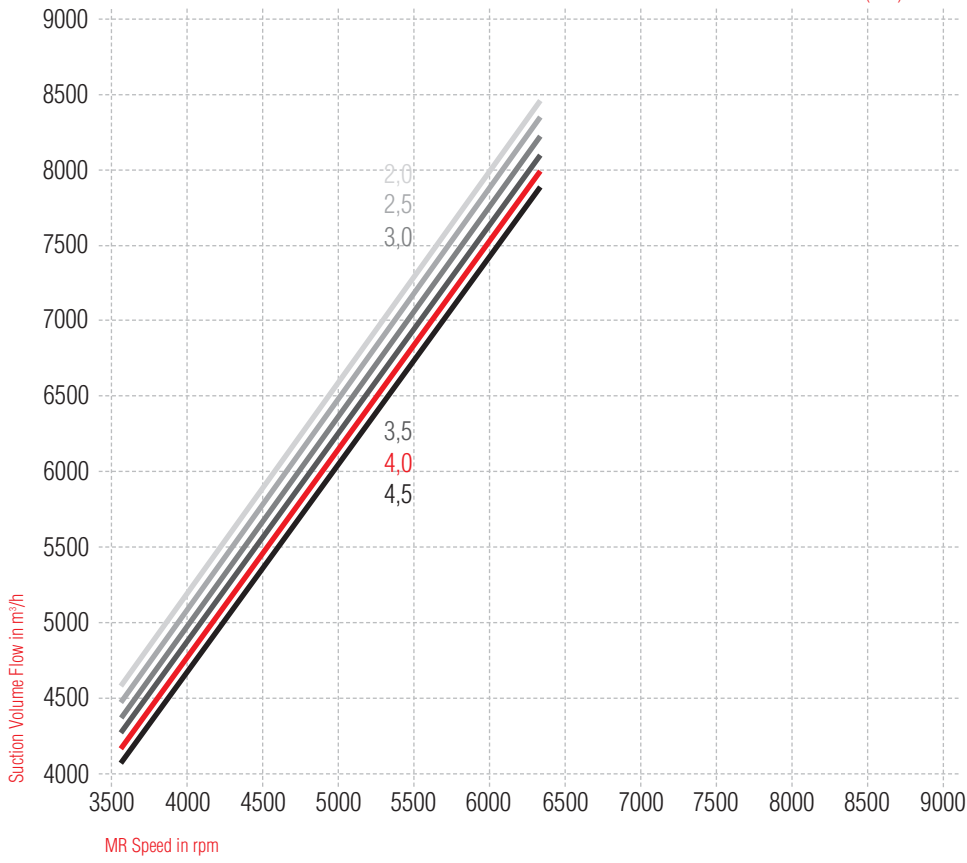


## PERFORMANCE CD42S

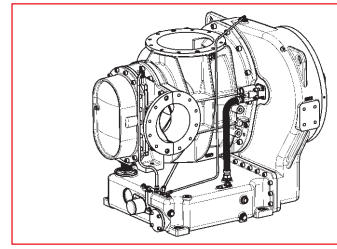


Length \_1117 mm  
Width \_945 mm  
Height \_1017 mm  
Weight \_1100 kg

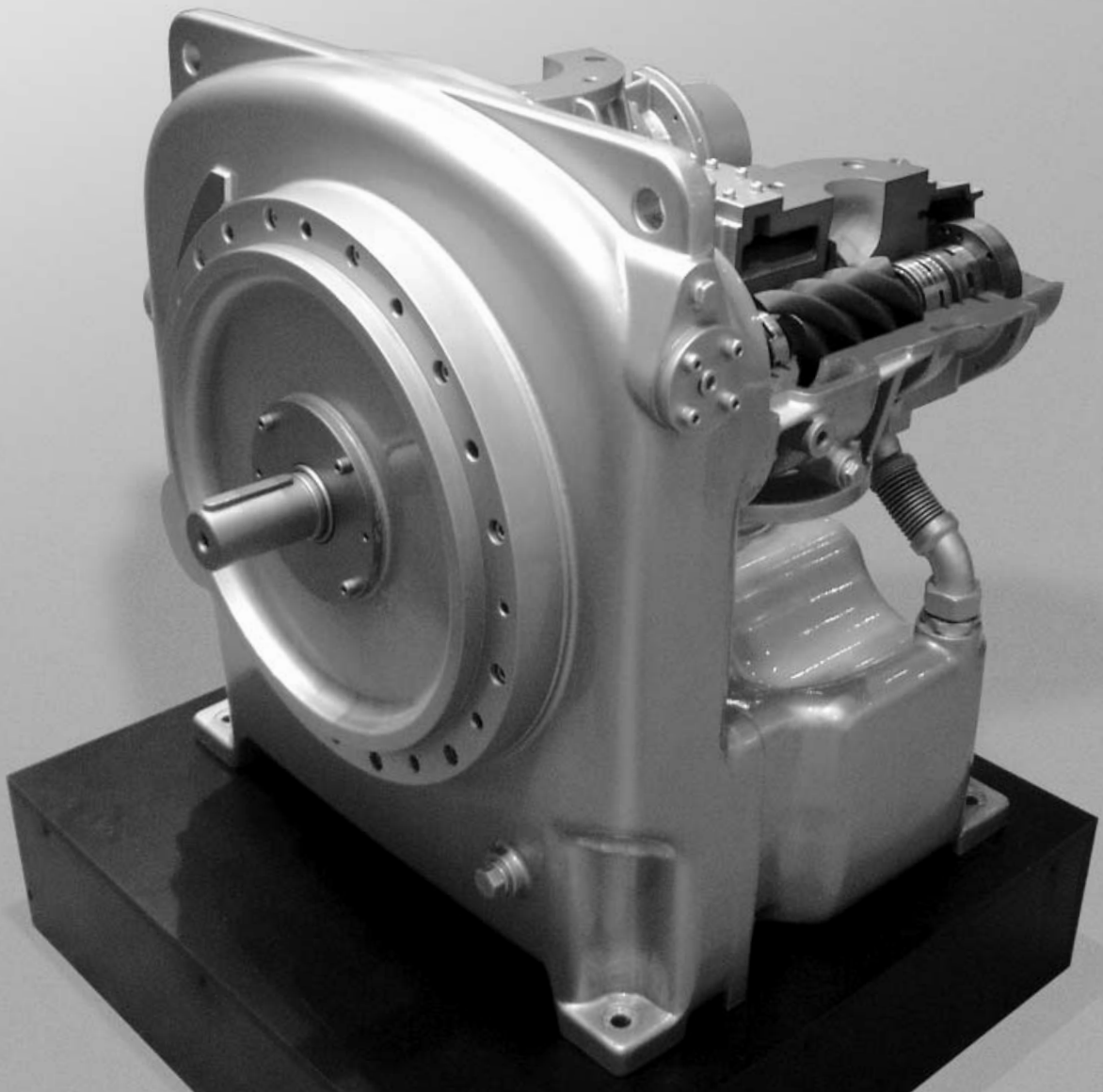
Disch. Pressure (abs.) in bar



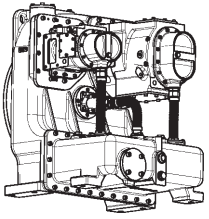
## PERFORMANCE CD72S



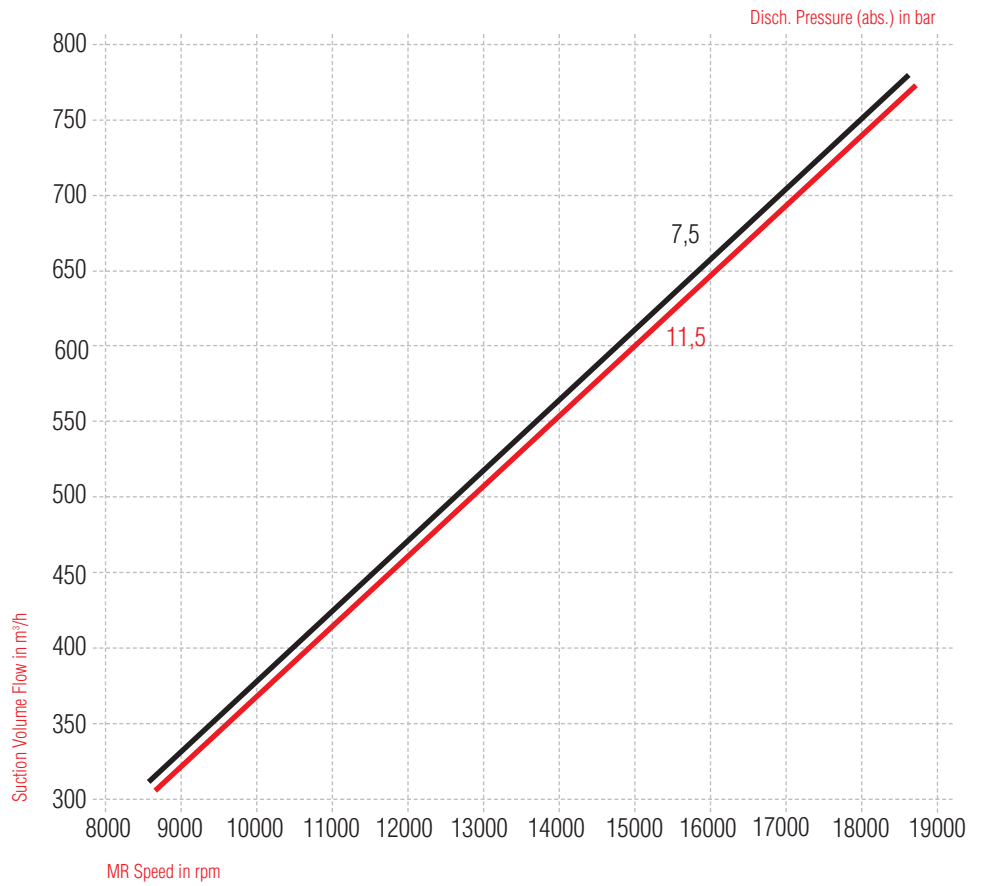
Length \_1346 mm  
Width \_1141 mm  
Height \_1144 mm  
Weight \_2000 kg



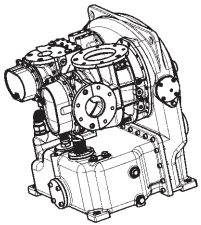
## PERFORMANCE CD8D



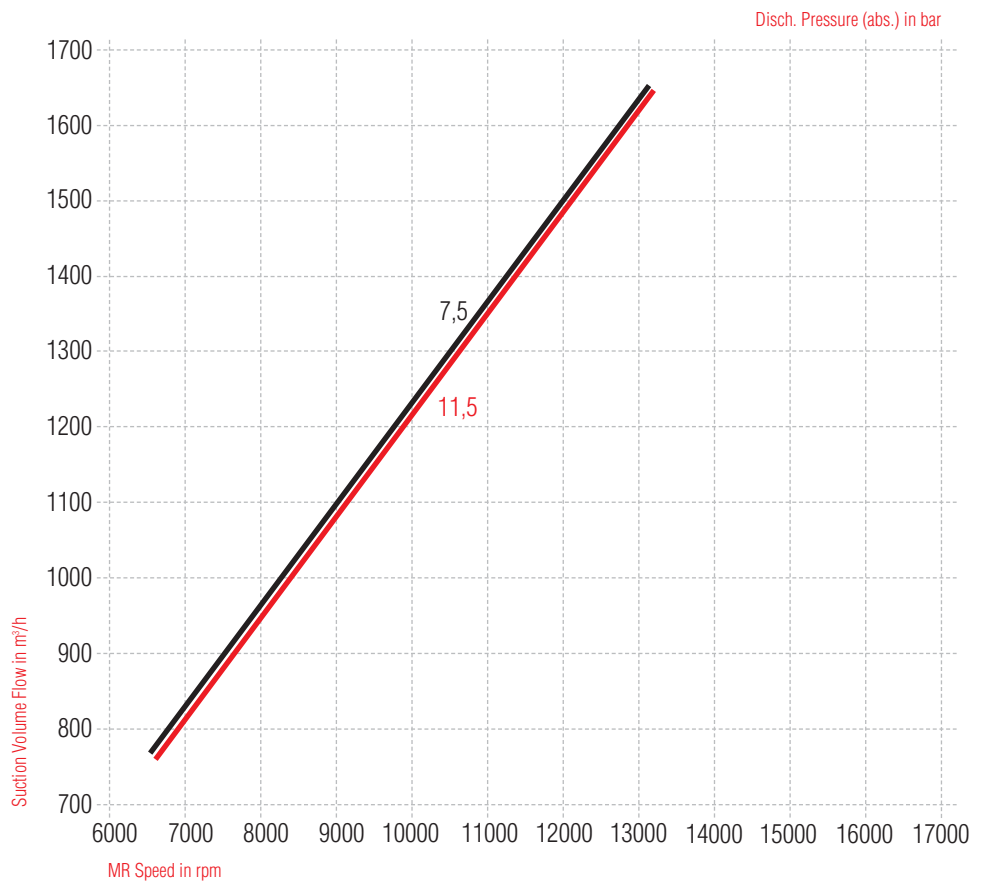
Length \_815 mm  
 Width \_700 mm  
 Height \_845 mm  
 Weight \_560 kg



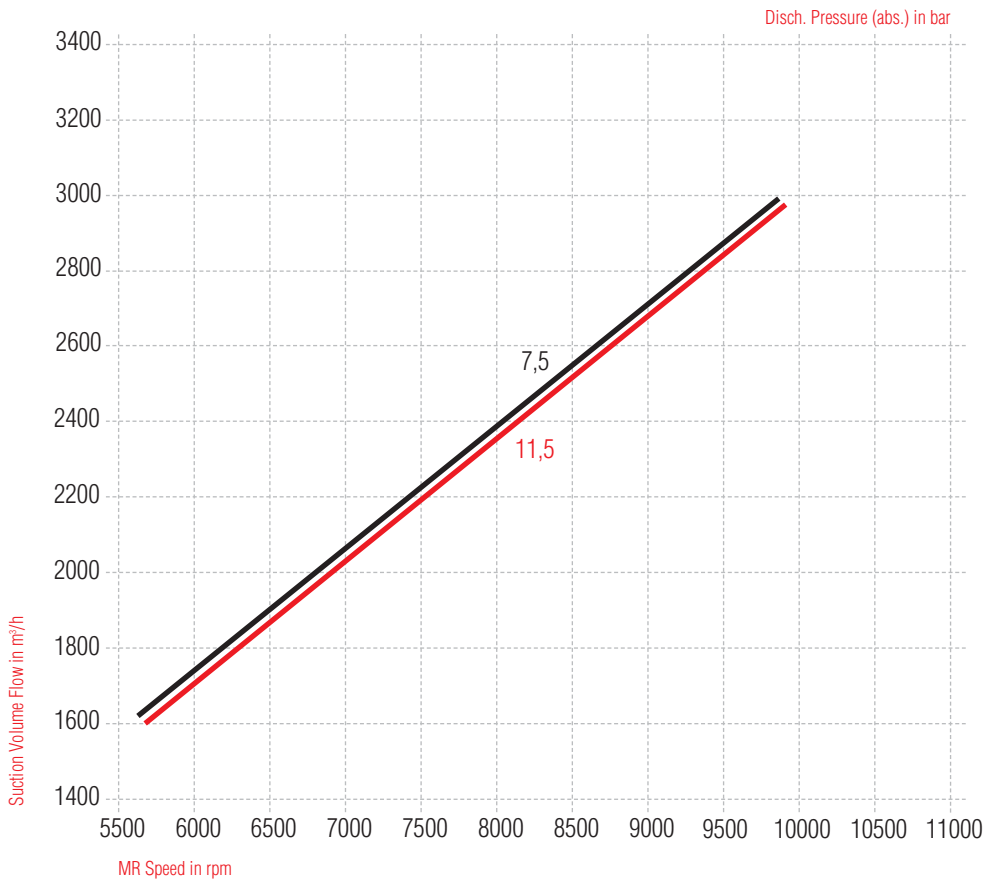
## PERFORMANCE CD14D



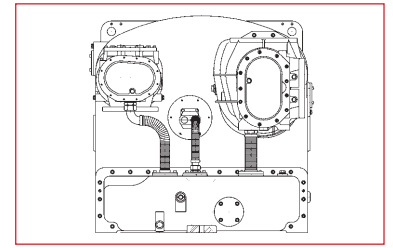
Length \_765 mm  
 Width \_730 mm  
 Height \_770 mm  
 Weight \_530 kg



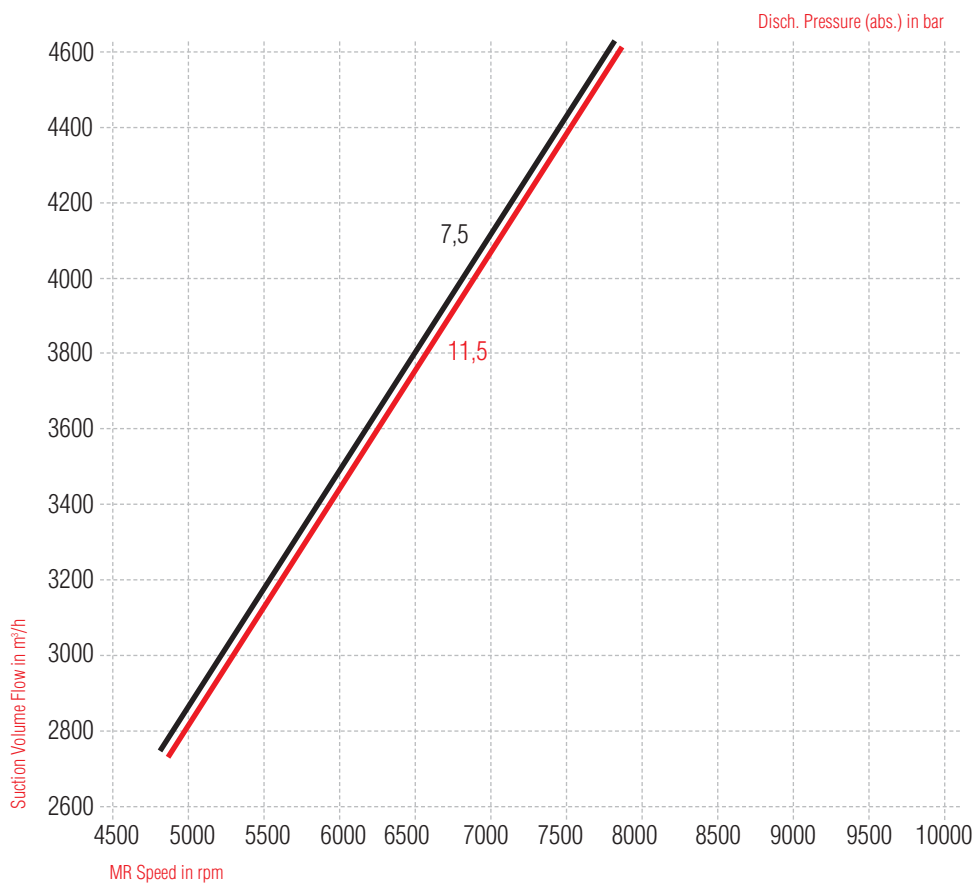




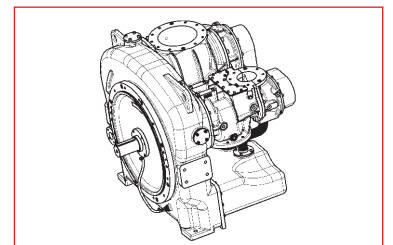
## PERFORMANCE CD26D



Length \_1030 mm  
 Width \_1050 mm  
 Height \_1035 mm  
 Weight \_1220 kg

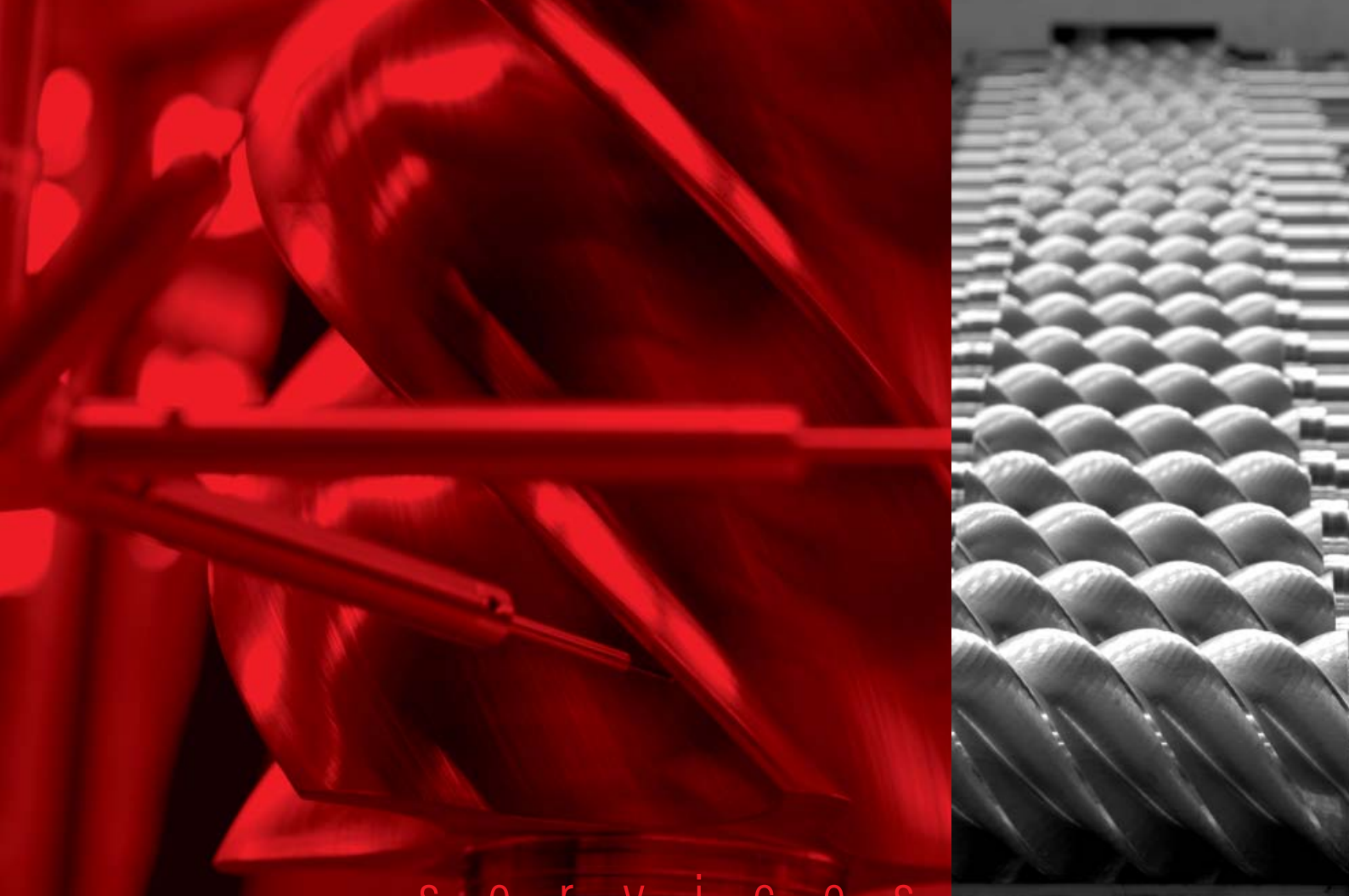


## PERFORMANCE CD42D



Length \_1158 mm  
 Width \_1132 mm  
 Height \_1098 mm  
 Weight \_1760 kg





# s e r v i c e s

## Components

You can choose from a wide selection of components, all of which have been specifically designed for our airends in order to optimize efficiency and reliability when operating in your compressor package. These components are proven designs and can be supplied in airend kits to help reduce your costs and your logistics. Inlet valves, minimum pressure valves, thermostats and combination blocks are all available for you to select with our airends.

## Lubricant

Your compressor system will last longer and be more reliable when using our high quality mineral and synthetic lubricants. These lubricants have been engineered with excellent start up and operating lubrication characteristics. Not only will you have long life, excellent cooling performance and improved compressor efficiency but you will also benefit from extended warranty when using our lubricants.

## Controls

If you require electronic controls for your compressor package then we can help. We have developed two types of electronic multifunctional in accordance with EC standards which can meet a wide variety of your requirements.

## Aftermarket Service

We maintain stock of original spare parts and exchange airends in order to meet your demand. We also have a comprehensive range of rebuild kits and a factory rebuild service for our entire product portfolio, along with a dedicated team of specialists to help you with any special requirements you may have.

## Engineering Services

Our engineering services can help bring you peace of mind and help you to develop and improve your packages. Our experienced and very capable engineering office supports all our customers by working with your teams to find solutions for each airend and component application.

Many years of experience helps us to help you achieve the optimum compressed air solution.

You can be certain, whatever your application, we will have the experience, the right product and the right system solution for you in order for you to save costs without loss of quality or reliability.

# GHH RAND

passion beyond compression

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