

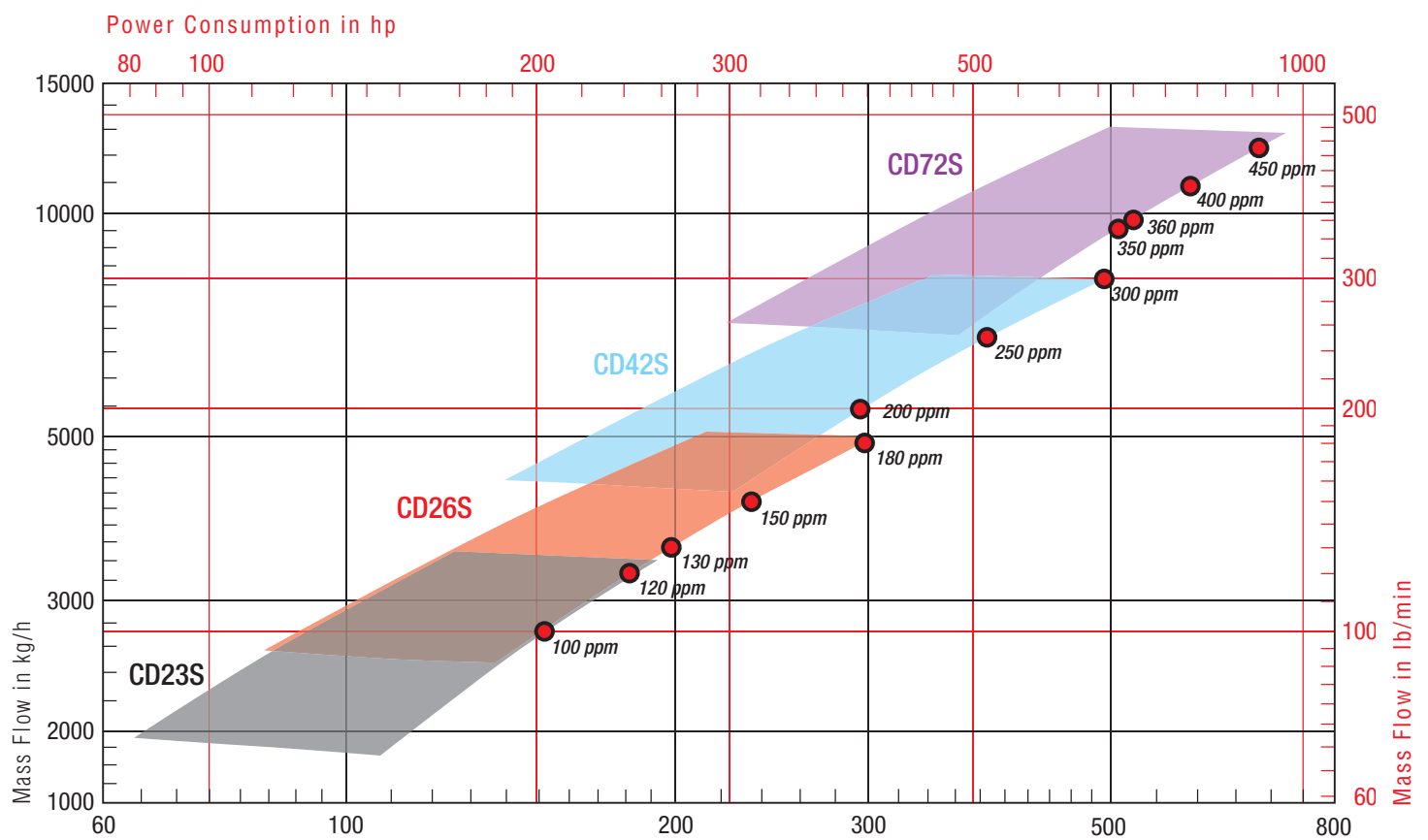


C D S E R I E S

oil-free airends for jet starter applications



Operating range of the series



Medium: air; relative humidity: 0%; suction pressure: 1.01325 bar(abs.)/14.696 psi; suction temperature: 20°C/68°F

For over 50 years GHH RAND, a world class leader in the design and manufacture of oil free and oil injected compressed air solutions, continues to deliver quality and precision manufactured compressors. As pioneers of the oil free screw compressor we are able to apply our knowledge to provide high reliability, exceptional value and excellent customer service.

With the latest in advanced production machining, assembly and test technology, GHH RAND is able to precisely manufacture and rigorously test each compressor to the highest quality. The result is many years of trouble free service in the most extreme and arduous operating conditions.

With our policy of continuous development, our engineers are heavily focused on exceeding the demanding expectations from the ground support equipment industry. This ongoing development has resulted in a highly successful range of efficient and reliable oil free screw compressors specifically designed for use on continuous flow air start applications worldwide.

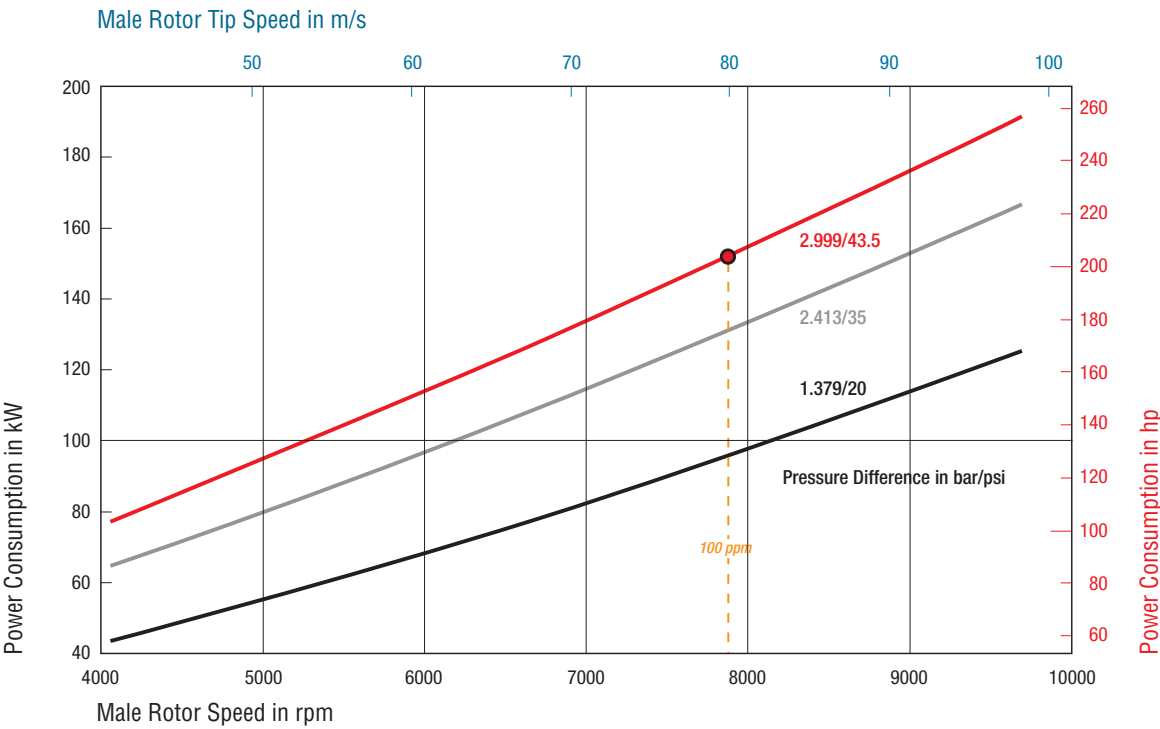
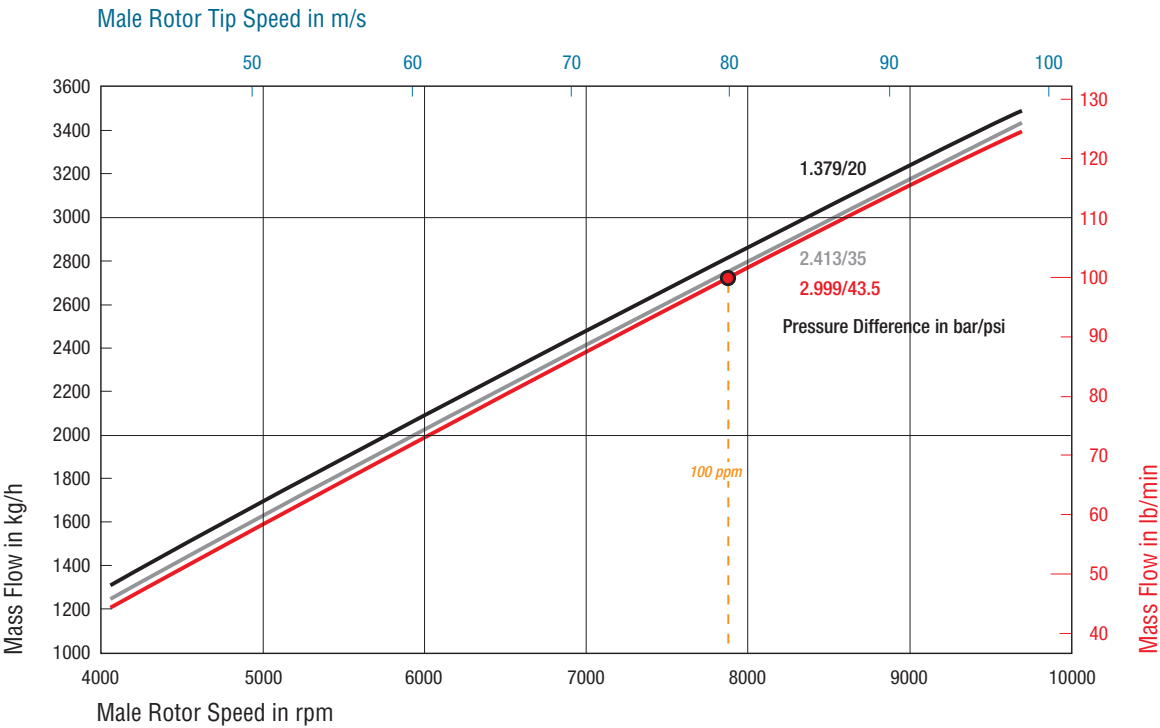
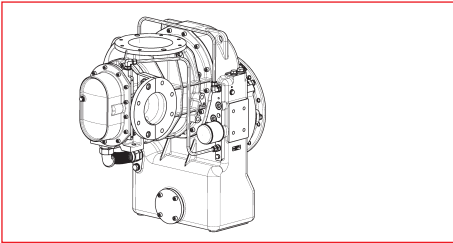
The highlights of our air ends

Totally oil free air	_Highly reliable and proven sealing arrangement delivering 100% oil free air.
Performance under extreme conditions	_Compressors that are able to operate over a wide range of ambient conditions.
Optimised bearing design guaranteeing long life	_The radial forces are compensated by cylindrical roller bearings, the axial forces are compensated by four-point ball bearings. The result is long life.
High efficiency	_Precision machined and dynamically balanced rotors optimise clearance resulting in high efficiency and reduced power consumption.
Gear driven design	_A wide selection of gear ratios is available, enabling optimised driveline (compressor and engine) combination.
Asymmetric rotor profile	_Rotor profiles designed and optimised specifically for this application.
Non-abrasive "Ultracoating" for long term high efficiency	_Surface penetration technique of the coating on the rotors and inner housing means no corrosion and improved sealing on clearances.
Integral drive coupling	_Flexible coupling permitting fast and accurate assembly to the diesel engine.
Integral flywheel housing adaptor	_Providing a rigid and correctly aligned assembly of compressor and engine. Options of SAE rating are available.



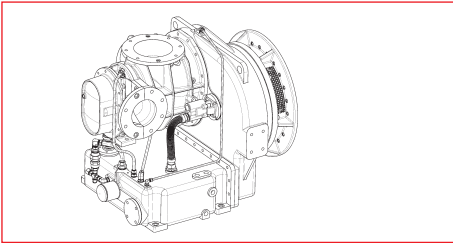
PERFORMANCE CD23S

Length _962 mm _37.9 inch
Width _540 mm _21.3 inch
Height _923 mm _36.3 inch
Weight _605 kg _1334 lbs

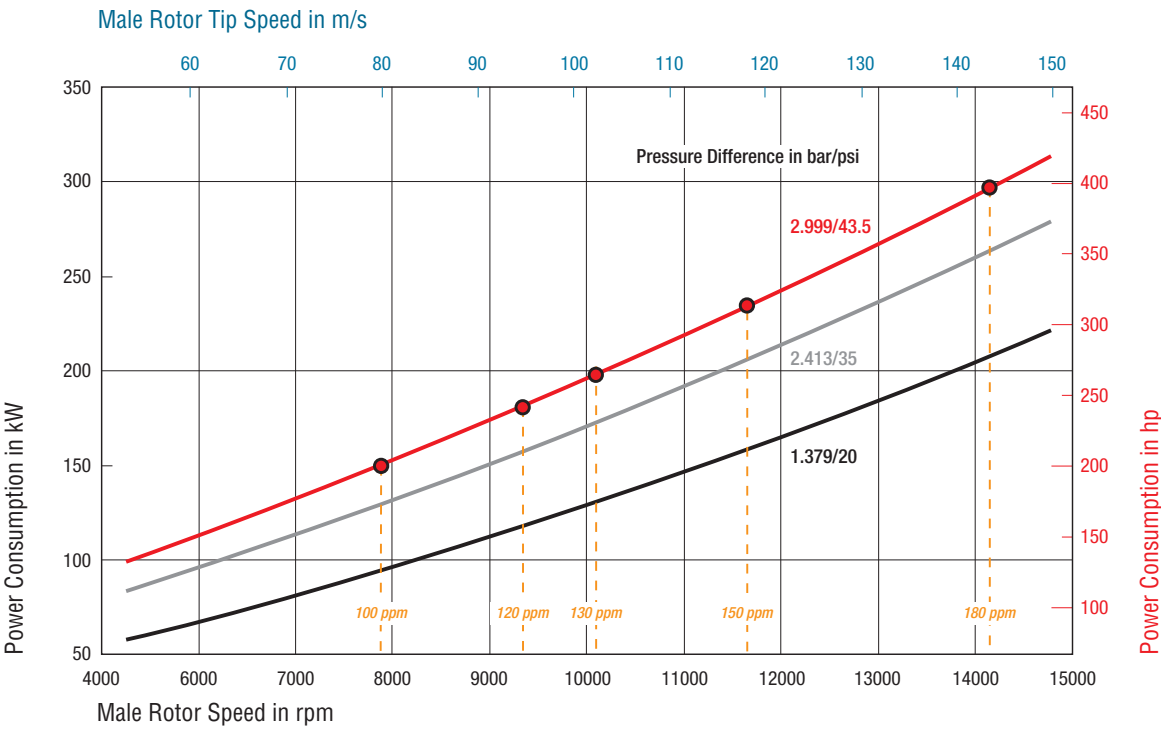
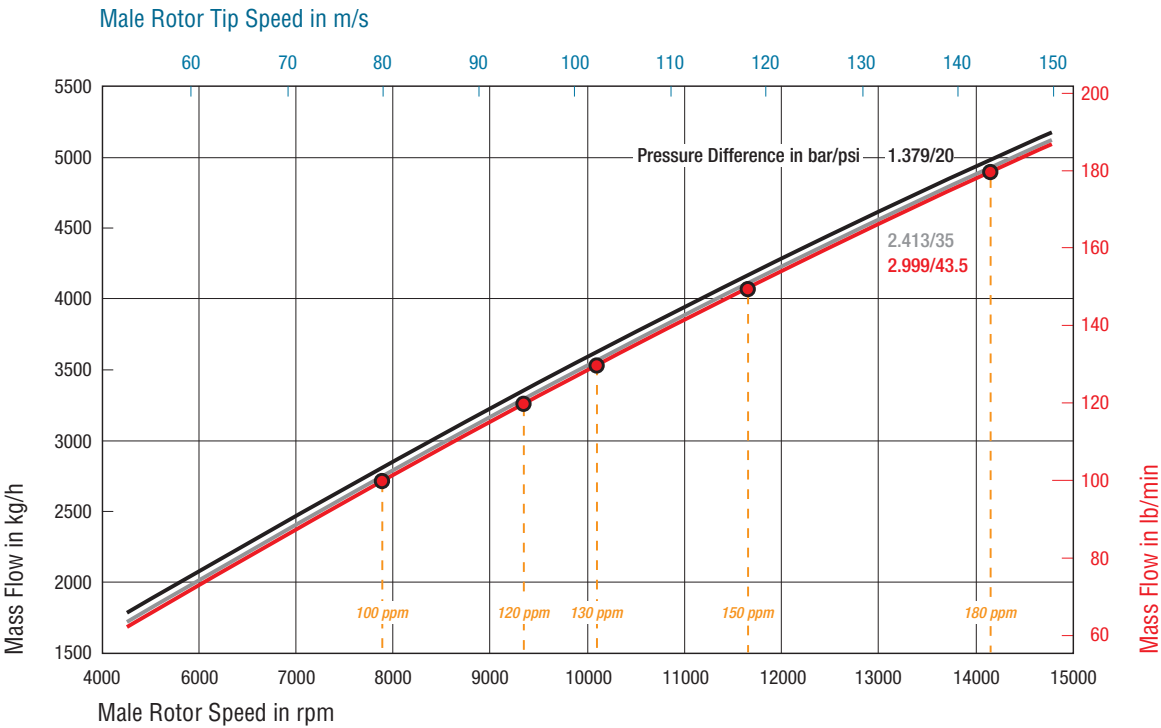


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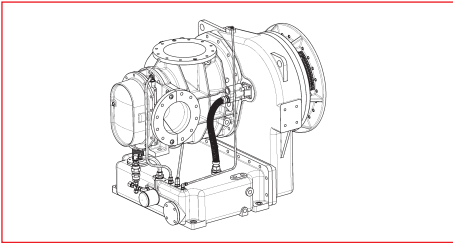
PERFORMANCE CD26S



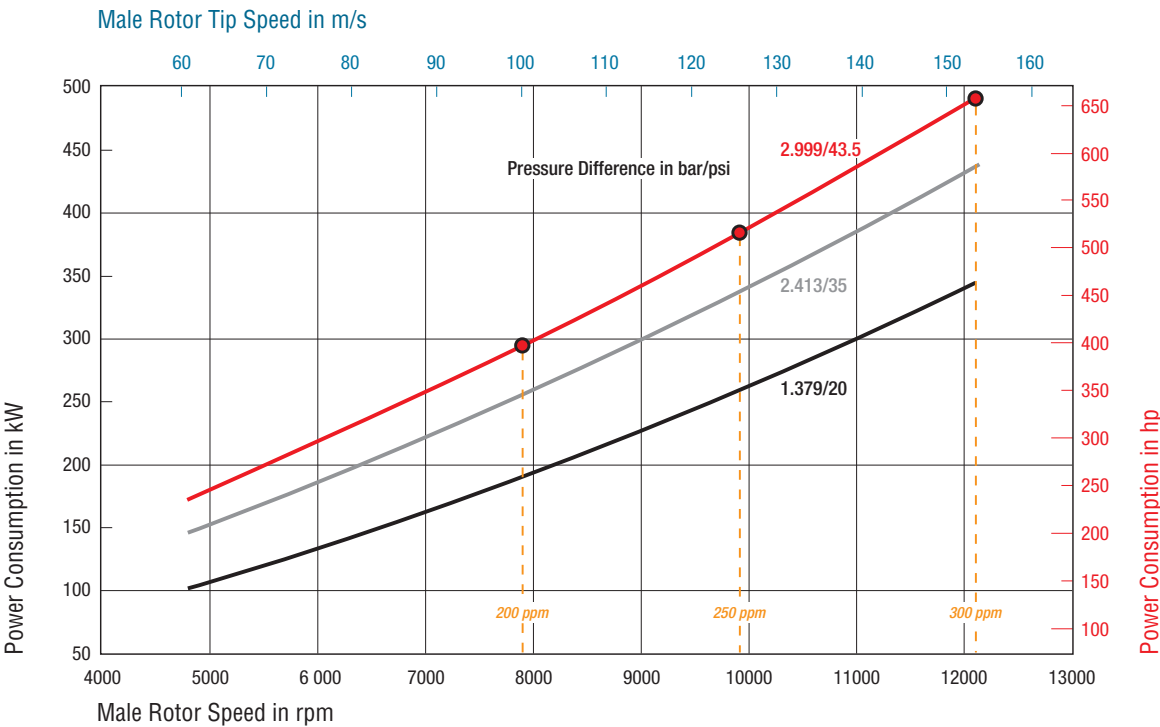
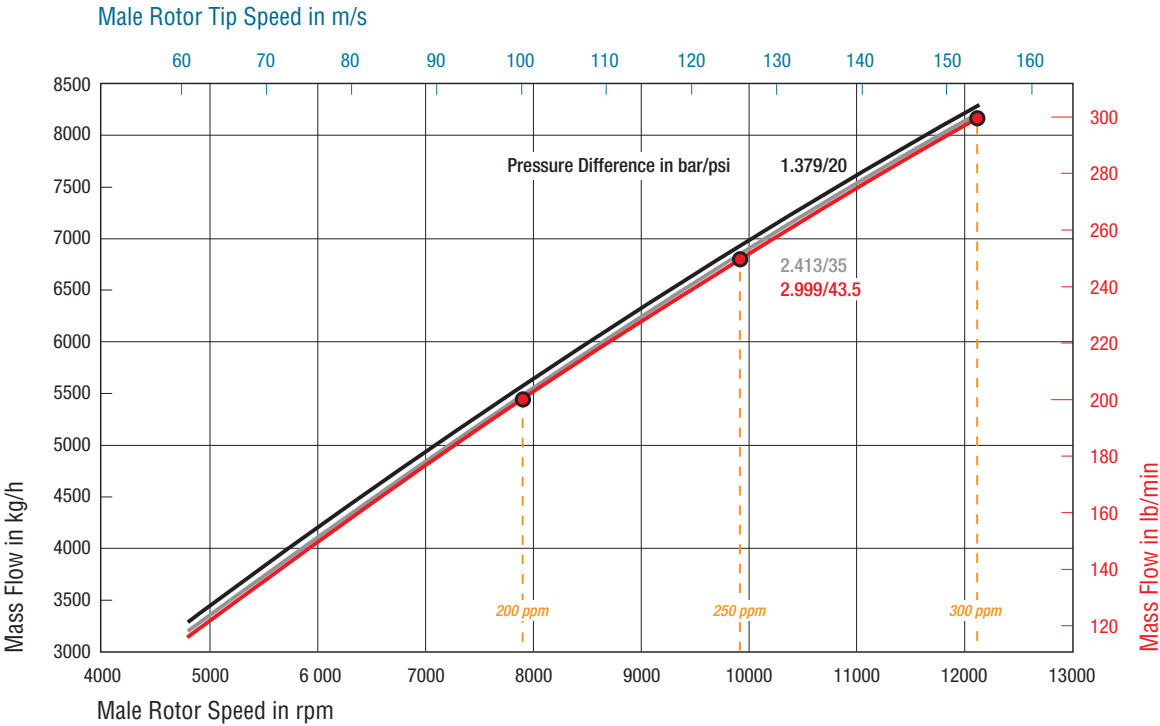
Length _967 mm _38.1 inch
Width _863 mm _33.9 inch
Height _865 mm _34.0 inch
Weight _730 kg _1609 lbs



PERFORMANCE CD42S

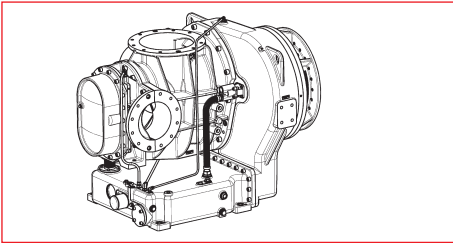


Length _967 mm _38.0 inch
Width _962 mm _37.9 inch
Height _1017 mm _40.0 inch
Weight _1240 kg _2734 lbs

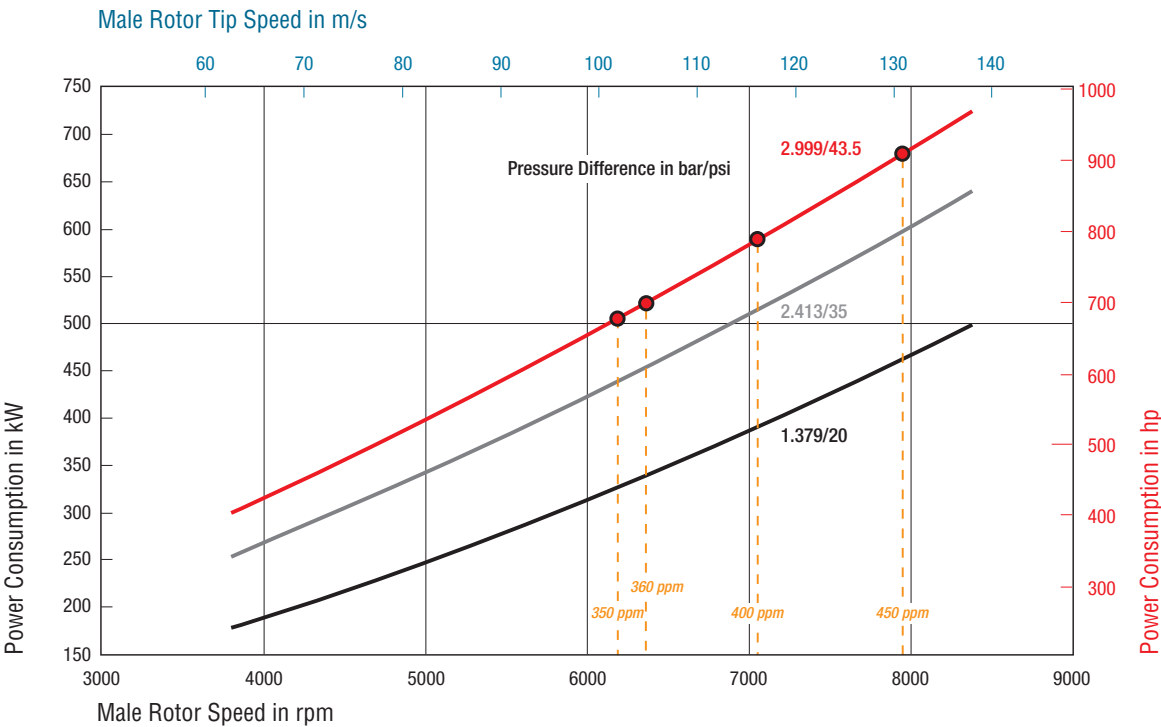
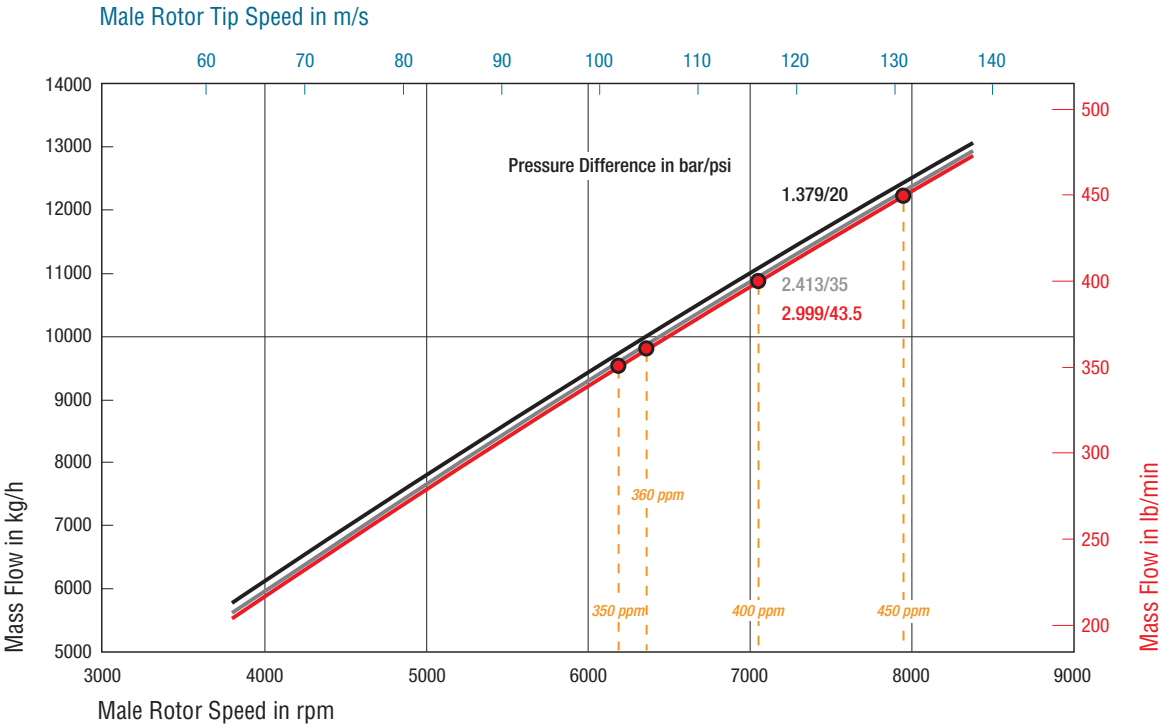


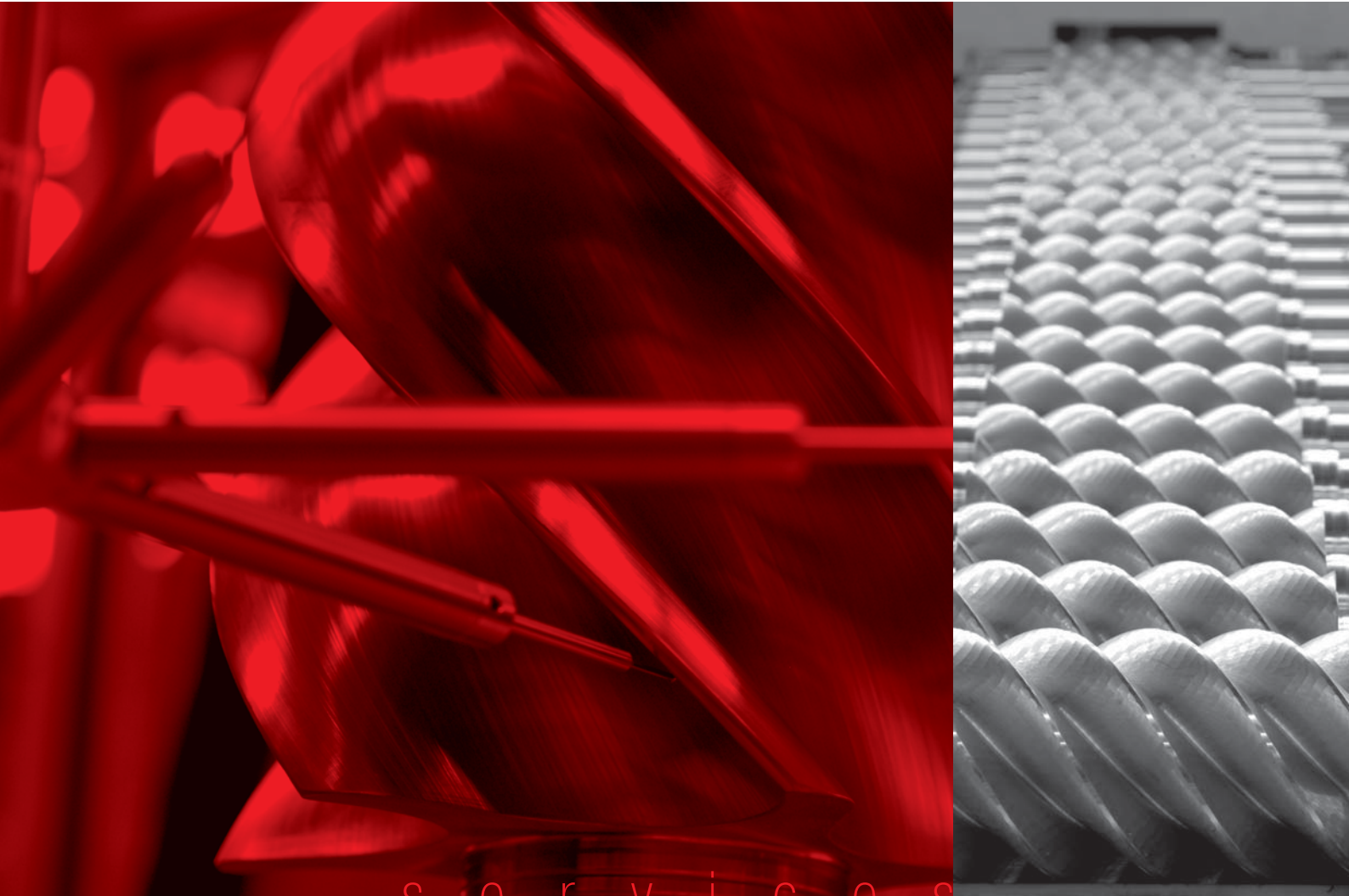
Medium: air; relative humidity: 0%; suction pressure: 1.01325 bar (abs.)/14.696 psi; suction temperature: 20°C/68°F

PERFORMANCE CD72S



Length _1346 mm _53.0 inch
Width _1141 mm _44.9 inch
Height _1144 mm _45.0 inch
Weight _2200 kg _4850 lbs





s e r v i c e s

Components

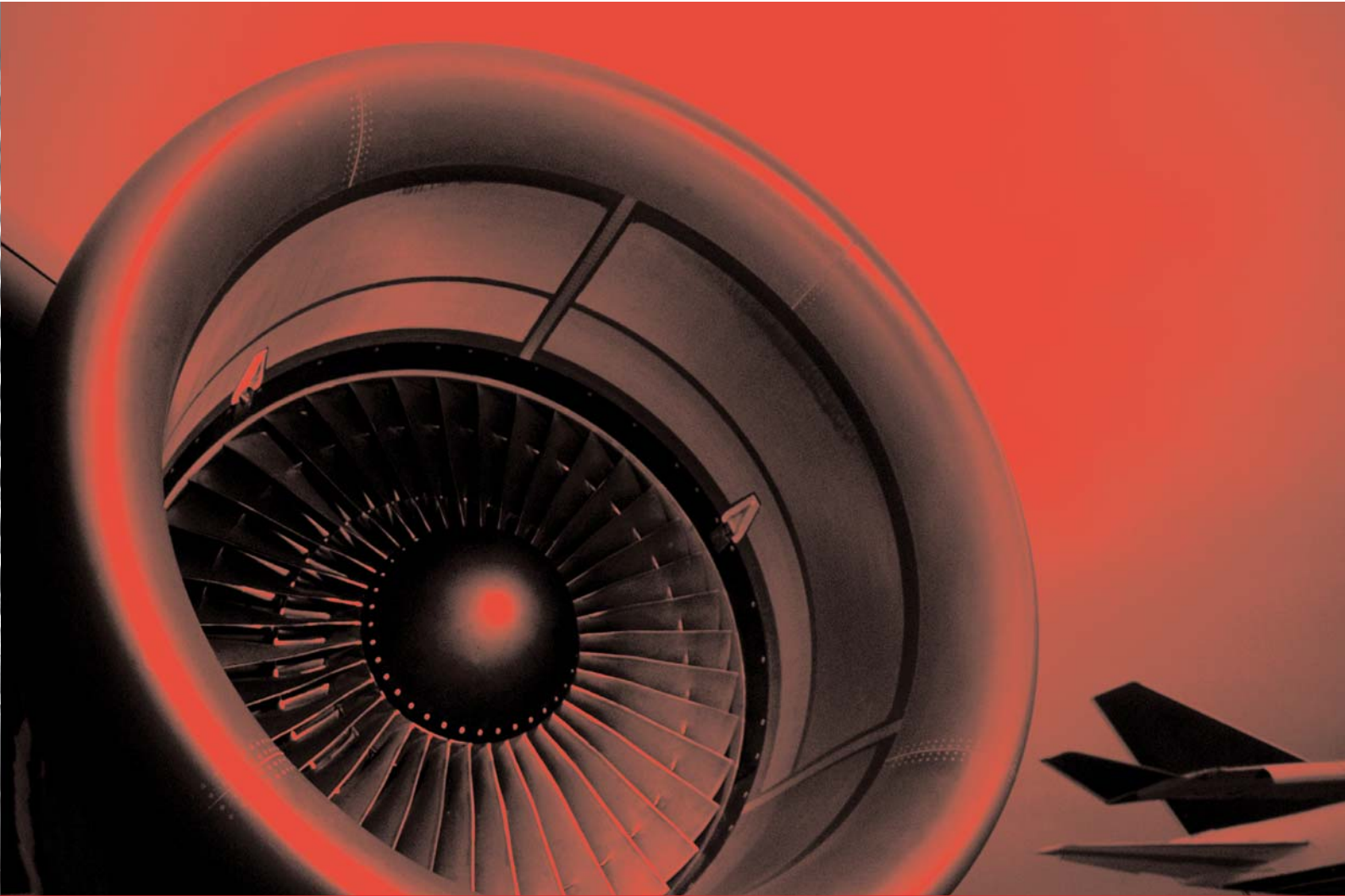
A range of performance enhancing components has been developed to assist in package design and assembly. These range from breather kits, high performance paints through to alignment couplings and flywheel housing adaptors.

To support your design department, torsional vibration analysis calculations and verification services are available from GHH RAND engineering upon application.

Lubricant

GHH RAND has developed a specific high performance synthetic polyalphaolefin (PAO) lubricant for our oil free range of screw compressors. The lubricant ULTRALUBE provides excellent start up and operating lubrication characteristics as well as enabling longer life and reliability of the compressor.

Additional to the excellent cooling performance, thermal stability and remarkable flow behaviour in low ambient temperatures, ULTRALUBE also extends the warranty of the airend to 36 months for jet starter applications.



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 specific 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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