

RECIPROCATING PRODUCTS**HSE****Reciprocating Process Compressor**

The Dresser-Rand business HSE reciprocating process compressor provides a reliable solution where full-time, medium-volume service is a requirement. Its proven performance, balanced design, and wide range of cylinder selections make the HSE an excellent choice for long-term process gas service.

A Reliable Performer

The HSE is a horizontal, balance-opposed, reciprocating compressor designed for long-term process gas service. Designed to API-618 specifications, the HSE is available in either a 9- or 11-inch. With the ability to handle a variety of drivers with either direct or V-belt connections, the HSE can be fitted with either lubricated or non-lubricated cylinders from 2.125 to 28 inches (54 to 711 mm) in bore diameter.

Much like all our reciprocating process compressors, the HSE is engineered to our highest standards, ensuring long-lasting reliability. Sized to provide a

reliable solution where requirements demand full-time performance in medium volume service, the HSE offers an alternative to larger, more costly compressors or shorter stroke, high-speed compressors.

Designed and Built with Precision

With its fine-grain, cast iron frame, the HSE is engineered to provide maximum support for the running gear and related components. The rigid frame design minimizes vibration and provides for low moments and minimal foundation requirements. Forged from high tensile strength steel alloy, the crankshaft is fully stress-relieved and heat-treated. The bearing journals and crankpin are ground with precision and polished to meet exacting tolerances.

Rugged, precision-machined aluminum main and crankpin bearings are generously sized for best run-in and long-lasting

service. All bearings are force-lubricated to API-618 specifications. Connecting rods are die-forged steel with rifle-drilled passages for positive lubrication of the crosshead pin and bushing. The standard crossheads are nodular iron, equipped with adjustable aluminum shoes at both the top and bottom. Cast steel crossheads are also available.



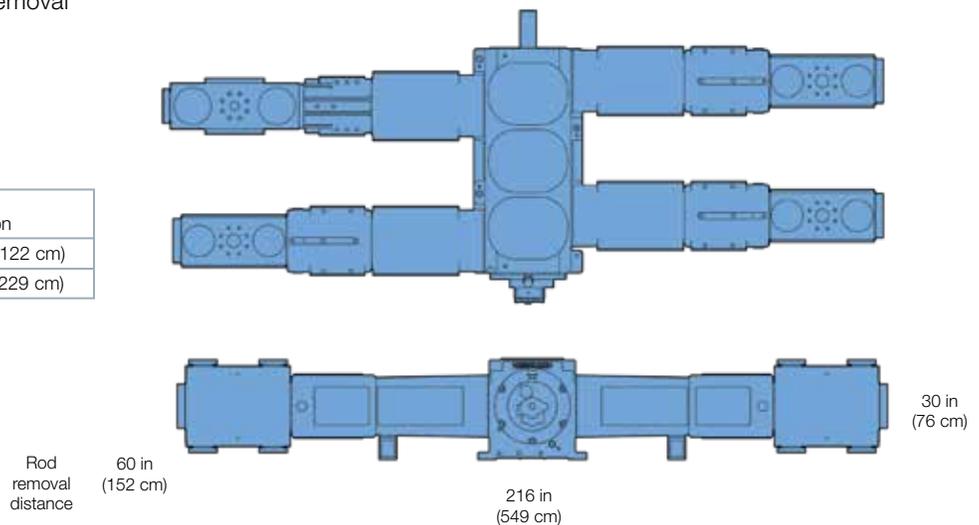
Outstanding Cylinder Design and Selection

With experience in a variety of services, our cylinders provide outstanding reliability. Our engineering expertise ensures that each cylinder provides maximum performance and reliability with minimum maintenance cost. Cylinder materials include cast iron, nodular iron, cast steel, fabricated carbon steel, fabricated stainless steel, and forged steel. Most cylinders are available for either lubricated or non-lubricated service.

Dimensions

Dimensions provided are typical, and are basis API Type B distance pieces. For API Types C & D distance pieces, add 20 inches (51 cm) to the width dimension, and 10 inches (25 cm) to the rod removal distance.

HSE Typical Length (L) Dimension
2-Throw Units: 48 inch (122 cm)
4-Throw Units: 90 inch (229 cm)



Specifications

Maximum HP	1,000 (746 kW)
Standard Strokes	9 to 11 inch (229 or 279 mm)*
Number of Throws	2 or 4
Cylinder Bore Range Standard Double-Acting	2.125 to 28 inch (54 to 711 mm)

For a complete list of products and services, visit dresser-rand.com or contact the following:

Corporate Headquarters

Dresser-Rand

West Memorial Place 1
15375 Memorial Drive, Suite 700
Houston, Texas 77079 USA
Tel: (Int'l +1) 713-354-6100
Fax: (Int'l +1) 713-354-5822

Regional Headquarters

The Americas

West Memorial Place 1
15375 Memorial Drive, Suite 700
Houston, Texas 77079 USA
Tel: (Int'l +1) 713-354-6100
Fax: (Int'l +1) 713-354-5822

EMEA

(Europe, Middle East & Africa)
Dresser-Rand S.A.
31 Boulevard Winston Churchill
Cedex 7013
Le Havre 76080, France
Tel: (Int'l +33) 2-35-25-5225
Fax: (Int'l +33) 2-35-25-5366/5367

Asia-Pacific

Dresser-Rand Asia Pacific Sdn Bhd
Unit 9-4, 9th Floor
Bangunan Malaysian Re
17 Lorong Dungun
Damansara Heights
50490 Kuala Lumpur, Malaysia
Tel: (Int'l +60) 3-2093-6633
Fax: (Int'l +60) 3-2093-2622

This brochure comprises a general overview of the Dresser-Rand business products described herein. It is solely for informational purposes, does not represent a warranty or guarantee of the information contained herein, and is not to be construed as an offer to sell or solicitation to buy. Contact Dresser-Rand business for detailed design and engineering information suitable to your specific applications. Dresser-Rand business reserves the right to modify its products and related product information at any time without prior notice.