

# Oil-free reciprocating compressors, up to 150 bar (2175 psig) up to 560 kW - 750 hp HX / HN

Atlas Copco's HX/HN oil-free reciprocating compressors are extremely reliable solutions for air, nitrogen, CO/CO<sub>2</sub>, methane, hydrogen and argon. Designed for 24/24 industrial service, with minimal maintenance cost and long overhaul intervals, HX/HN compressors can work in a most efficient and cost-effective way under difficult site conditions.

## CUSTOMER BENEFITS

- **Oil-free** – Thanks to their PTFE piston rings and long distance pieces, the compression chambers are perfectly oil-free. HX/HN compressors are the right solution when compressed air is in contact with the end product (drinkable water, gases).
- **Energy saving** – Reciprocating technology ensures excellent volumetric efficiency and economic operation in terms of energy.

- **Flexibility** – A wide variety of regulation systems adjust the capacity rate according to the real utilization of the machine: by stepped regulation (valve unloading); by-pass valve; variable speed drive; or a combination of the above solutions.
- **High reliability** – Low piston speed and low interstage temperatures preserve the inner parts of the machines. The horizontal design ensures a low vibration/pulsation for increased reliability. Design is close to API 618.
- **Adaptability to your application** – We can adapt the machine's internal parts and material to your gas composition requirements or to different inlet pressures. We can also adapt containers for rental equipment or in complete packages including dryer, filters and control panels. HX/HN compressors can work in difficult environments: outdoor, indoor, refineries, deserts (high inlet temperatures) and sandy environments.
- **Easy maintenance** – Horizontal design – safe and comfortable for operators – long service intervals.



Technical specifications	Metric	Imperial
Capacity FAD	45 - 3020 l/s	45 - 3020 l/s
Working pressure	10 - 150 bar(e)	145 - 2175 psig
Installed motor power	37 - 560 kW	50 - 750 HP
Capacity FAD	163 - 16500 m <sup>3</sup> /h	96 - 9712 cfm
Capacity	150 - 15000 Nm <sup>3</sup> /h	94 - 5886 scfm
Inlet pressure	1 - 24 bar	14.5 - 348 psi
Gases handled	air, nitrogen, argon, carbon monoxide, carbon dioxide, hydrogen, argon, methane, biomethane	