

Reavell®

An Ingersoll Rand Business

Nitrogen boosters

Achieve maximum efficiency
with minimum nitrogen loss



Boost benefits



Full Control

Using an innovative, intelligent logic controller, the Boost range of compressors actively monitor inlet and outlet pressures; working to ensure that you have the gas you need, at the right pressure, whenever you need it, without impacting energy consumption or storage costs.



Proven Reliability

Engineered using over 120 years of experience in providing high-pressure compressors for critical industrial applications, the Boost range continues Reavell's legacy and dedication to providing robust and high quality equipment to customers that value reliability, performance, and efficiency.



Easy Installation & Maintenance

Plug-and-play installation via a direct high-pressure hose connection combines with a simple, intuitive design with reduced service ports and spacious internal layout to streamline installation and maintenance; helping you save by minimizing downtime and service costs.

Boost specification tables

Maximize your performance

Reavell's boost range of air cooled, lubricated, reciprocating nitrogen boosters have been specifically designed to maximize the performance and efficiency of your on-site nitrogen generation systems. Developed by combining innovative thinking with state-of-the-art technology, the Boost range is capable of delivering up to **350 bar(g)** of pressure, allowing you to meet demand regardless of the application.

Using sophisticated control logic, the Boost range allows you to accurately measure and track a range of data; from inlet and outlet pressure, to average run times and load hours, ensuring that maximum performance and efficiency is always maintained. Combined with a cutting-edge design that takes the complexity out of installation, routine maintenance, and service; Reavell's Boost range can help you **minimize downtime** and **maximize return on investment**.

Range of performance options

Reavell Boost nitrogen compressors are available in a range of options. From the 7.5kW H075, providing a maximum flow of **25.9 m³/hr**, to the 18.5kW H185, which provides a maximum flow of **50.8 m³/hr**; we have a compressor that can meet the pressure and flow requirements of your nitrogen boosting system.

Reavell Boost nitrogen boosting compressors are available in a range of four volumetric flow options, indicated in the table below:

	H075	H110	H150	H185
Installed Power (kW)	7.5	11	15	18.5
Maximum Flow (m ³ /hr)	25.9	32.1	46.9	50.8
Minimum Supply Pressure (barg)	3.5	3.5	3.5	3.5
Maximum Supply Pressure (barg)	16	16	16	16
Minimum Outlet Pressure (barg)	120	120	120	120
Maximum Outlet Pressure (barg)	350	350	350	350

Boost the complete package

Reavell's Boost range of nitrogen compressors are a complete, plug-and-play solution. They are specifically designed to provide you with a number of unique benefits that can make their operation more effective, including:

User intuitive control panel with extensive functionality

Ability to set up optimal operating parameters with automatic start/stop control

Protection of your investment and personnel

Unit designed with a variety of safety features including inlet pressure valve

Low draw on current at starter up

Star/Delta drive system

Delivery of the desired pressure in line with process requirements

All compressor stages are fitted with pressure gauges

Best in class aftercoolers which maximises filter life

Final and interstage cooling designed for application

Volumetric flow in line with process needs

Ability to match flow rates from 18m³/hr up to 51m³/hr

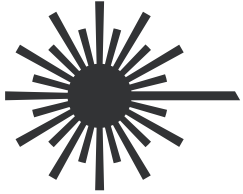
Low noise operation

Fully enclosed units that meet the most demanding noise constraints

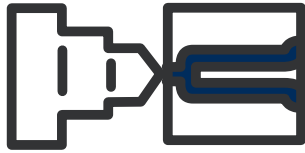


Boost applications

Reavell's Boost compressor is ideal for markets where reliability is key. With the integrated PLC and sophisticated control logic the Boost can be seamlessly integrated into nitrogen generation systems or into manufacturing processes.



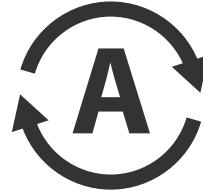
Laser Cutting



HP Injection
Moulding



Aircraft
Maintenance



Autoclaves



Fire Suppression
Systems



Component
Testing



Sales/distribution network



GLOBAL EXPERTISE

For more information about the Reavell High Pressure compressor ranges please contact your local Reavell Sales & Service Centre, or see below for details of our High Pressure Centre of Excellence.

REAVELL

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