KAESER COMPRESSORS®

Built for a lifetime.

Booster Compressors

N Series

Pressures to 650 psig
Capacities: 5.7 to 819 cfm

kaeser.com

Booster Compressors

High pressure systems from Kaeser

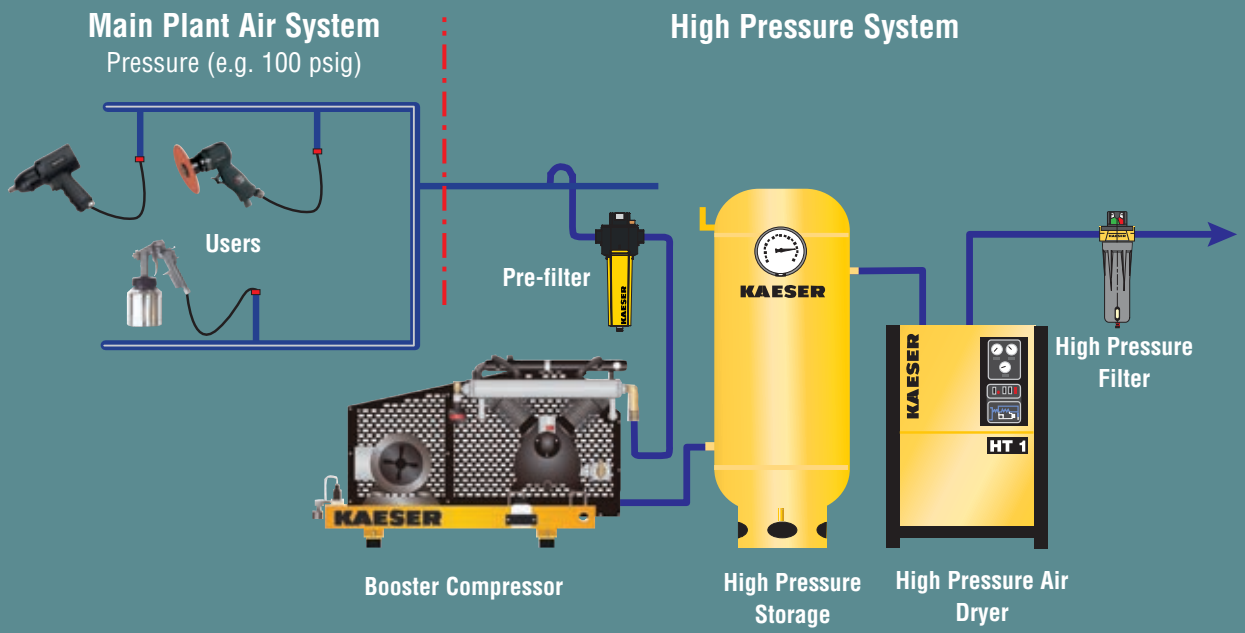
PET plastics, molding, leak testing and other special applications require higher pressures than typical plant air systems can provide. In these cases, it is often effective and economical to take a portion of the existing plant air and apply a booster compressor sized specifically for the high pressure application. The alternatives of either installing a stand-alone high pressure compressor or operating the whole plant at high pressure are costly and wasteful.

Kaeser offers reciprocating booster compressors to increase air system pressure as high as 650 psig. These reliable units are compact, quiet, and offer an excellent alternative for producing high pressure. Simply install a Kaeser Booster to efficiently increase the pressure of the general plant compressed air to higher pressures as needed.

Kaeser has the ability to design a complete compressed air system to meet both your plant air and high pressure requirements. We offer a full line of system components including high pressure dryers, filters, and drains to achieve the high production quality you demand.

In some cases, a dedicated high pressure system is needed. Kaeser can deliver the entire system as a stand alone enclosure or skid package. This reduces onsite design, installation and commissioning costs.

Schematic of Plant Air System with Booster

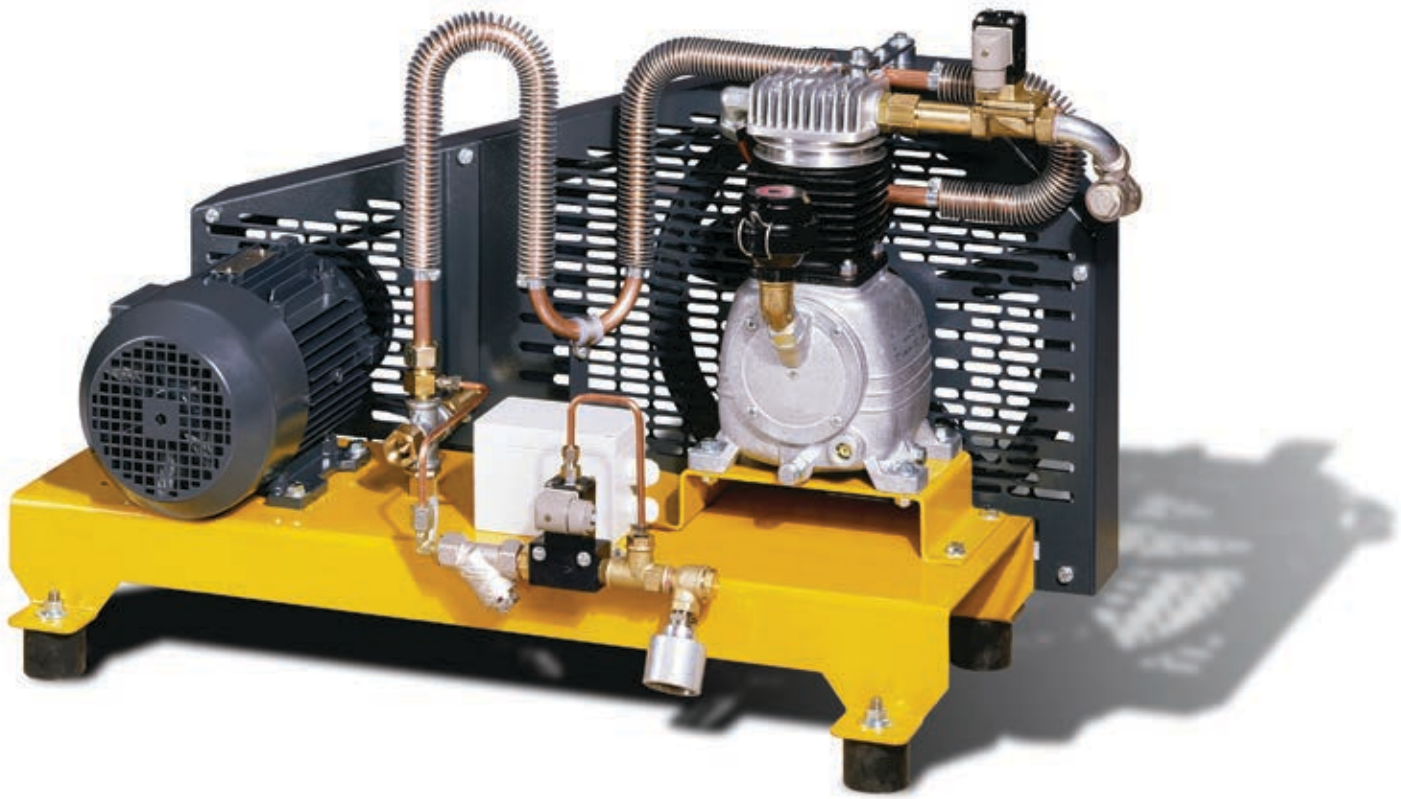


NOTE: *All components must be properly pressure-rated. Schematic does not show recommended accessories such as system controllers, drains, flow controller, or condensate management system.*

Dedicated high pressure system for CNC laser cutter including rotary screw compressor, booster, dryer, filtration, storage and controls.

N 60-G and N 153-G Booster

N 60-G and N 153-G booster compressors are well suited to applications needing modest air volumes. N 60-G maximum outlet pressure is 500 psig and the N 153-G maximum outlet pressure is 580 psig. Mounted on heavy-gauge baseplates with anti-vibration pads, Kaeser boosters eliminate the need for reinforced foundations and floor fastenings. Premium efficiency TEFC motors provide energy savings and extend equipment life. Aluminum cylinder heads and finned copper cooling pipes promote efficient aftercooling for longer duty cycles.



Additional features

These units include a high pressure discharge hose with check valve for flexible connection to the system. Inlet filters with automatic drain traps remove contaminants to protect the booster and improve compressed air quality. All components are arranged for both safety and easy service.

High quality components

Our high pressure pumps feature lower rotational speeds to promote extended operational life and consistent efficiency.

Advanced cylinder technology

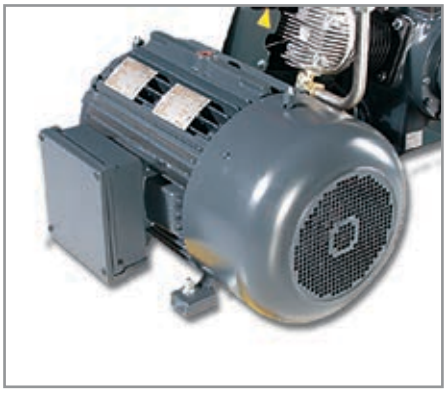
Kaeser industrial booster cylinders are bored with super precision and finished by a special process that ensures minimum oil consumption and negligible wear for great durability.

Standard Starter Panel

Kaeser offers an enhanced starter control panel to monitor and regulate booster operation. The starter is designed to be wall-mounted.

Manual belt tensioning

A simple slide based v-belt tensioner makes it easy to adjust belt tension and avoid misalignment.



Electric motor

Our premium, TEFC motors have class F insulation and are EISA compliant. 3-phase, 60 Hz in 230, 460 or 575 V are standard.

Low vibration

Our boosters are built on durable steel base frames with anti-vibration mounts for quiet, smooth operation.

N 253-G to N 2001-G

For larger volumes of air, Kaeser's Extra Pressure models offer a combination of higher flows and increased discharge pressures to 650 psig. Mounted on heavy-gauge steel bases with vibration isolators, these units offer smooth, quiet operation and eliminate the need for reinforced foundations and floor fastenings.*

All Kaeser boosters feature precision manufactured pumps with high quality cylinders.

Premium efficiency TEFC motors offer energy savings and long equipment service life. The automatic belt drive tensioning system ensures consistent efficient power transmission and prolonged belt life. Other features, such as controls and coolers, have been enhanced to meet the demands of larger applications.

**N 2001-G max outlet pressure is 360 psig*

Air-cooled with a two-speed, fan-powered aftercooler

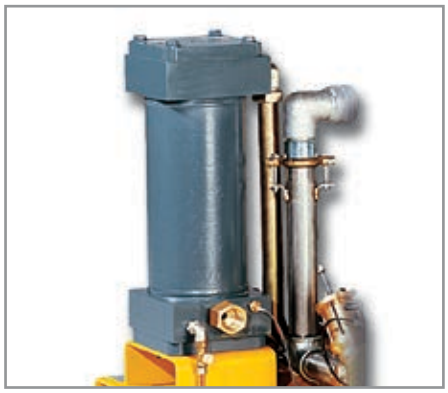
Air-cooled with water-cooled aftercooler

Durable high pressure pumps

Our high pressure pumps feature lower rotational speeds to promote extended operational life and consistent efficiency.

Low discharge temperatures

A generously proportioned aftercooler keeps the compressed air outlet temperatures comfortably low on air-cooled models.



Water-coooled aftercooler

A water-cooled aftercooler is offered on the N 2001-G to achieve discharge approach temperatures as low as 11°F.

Automatic belt tensioning

V-belt drive with an easily accessible automatic tensioning device provides optimum power transfer and long belt life.

Forced lubrication

A forced lubrication system provides increased reliability and service life of the pump. Full-flow filtration extends the oil change interval.

Instrument panel

Our standard instrument panel contains gauges for air temperature, oil pressure, inlet air pressure, and discharge air pressure.

Technical Specifications

Model	Inlet Pressure (psig)	Max. Discharge Pressure (psig)	Flow at 190 psig Inlet Pressure and Max Discharge Pressure (cfm)	Rated Motor Power (hp)	Dimensions (1) W x D x H (in.)	Weight (lb.)
N 60-G (2)	45-190	500	26.5	3	36 x 18 x 21½	154
N 153-G (2)		580	47.0	3 and 5	54½ x 28½ x 32½	562
N 253-G (2)		650	94.6	10 and 15	54½ x 29 x 32	639
N 351-G (2)			147.6	15 and 20	61 x 34½ x 40½	915
N 502-G (2)			182.6	15, 20, and 25	62 x 34¾ x 40¼	1014
N 2001-G		360	713.4	50	109½ x 39½ x 41	2624
					78 x 39½ x 40 (3)	2271

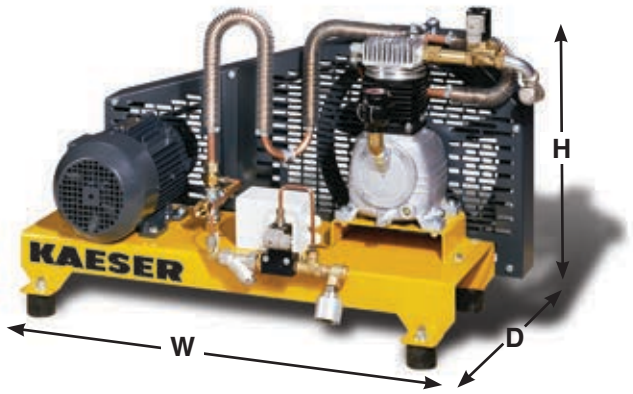
(1) Dimensions shown are for units with air-cooled aftercoolers, unless otherwise specified.

(2) Not available with water-cooled aftercoolers.

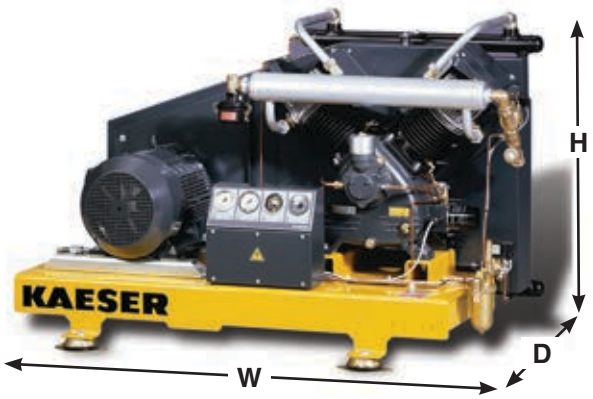
(3) With water-coooled aftercooler

Special models available for nitrogen.

Specifications are subject to change without notice.



N 60-G and N 153-G, air-cooled



N 253-G up to N 502-G, air-cooled

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www.kaeser.com

Kaeser Compressors, Inc.
511 Sigma Drive
Fredericksburg, VA 22408 USA
Telephone: 540-898-5500
Toll Free: 800-777-7873
info.usa@kaeser.com

Kaeser Compressors Canada Inc.
3760 La Vérendrye Street
Boisbriand, QC J7H 1R5 CANADA
Telephone: (450) 971-1414
Toll free: (800) 477-1416
info.canada@kaeser.com

Kaeser Compresores de México S de RL de CV
Calle 2 #123
Parque Industrial Juríca
76100 Querétaro, Qro.
Telephone: 01 (442) 218 64 48
sales.mexico@kaeser.com

Kaeser Compresores de Guatemala y Cia. Ltda.
Calz. Atanasio Tzul 21-00, zona 12
El Cortijo II, Bodega 501
01012–Guatemala City
Telephone: +502 2412-6000
info.guatemala@kaeser.com