KAESER COMPRESSORS

Built for a lifetime.™

Booster Compressors
N Series

Pressures to 650 psig
Capacities 9.5 to 724 cfm

High Pressure Systems from Kaeser

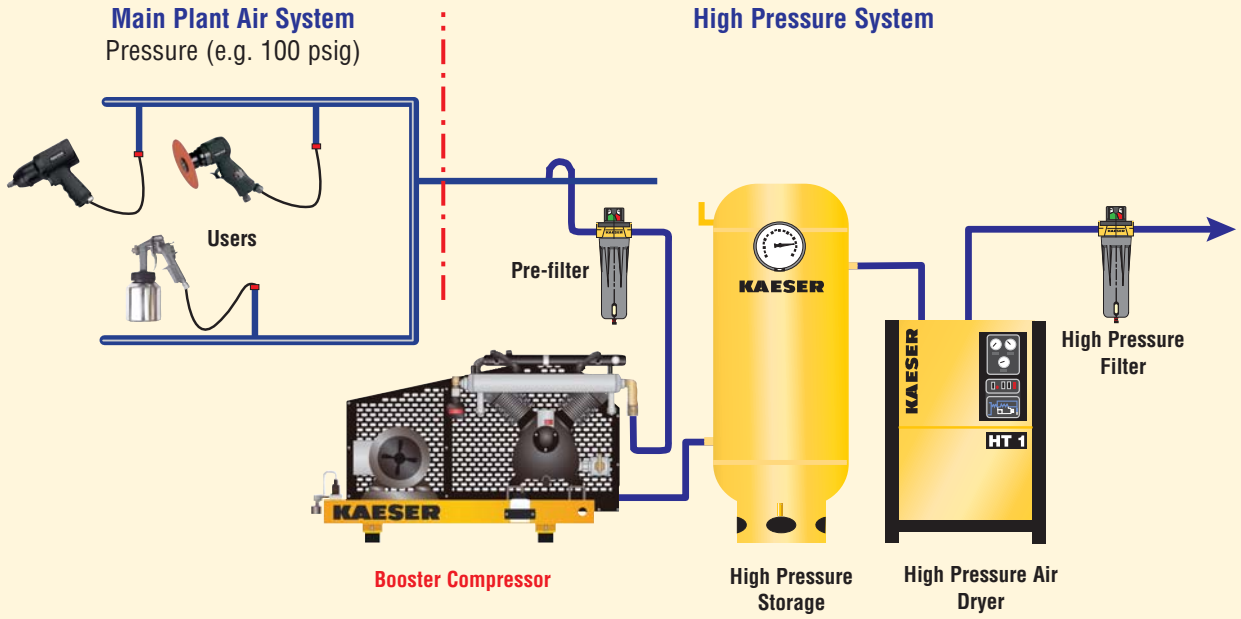
PET plastics, molding, leak testing and other special applications require higher pressures than typical plant air systems can provide. In these cases, it is often effective and economical to take a portion of the existing plant air and apply a booster compressor sized specifically for the high pressure 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.

This method is ideal and economical for many applications where only a small to moderate amount of high pressure air is 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.

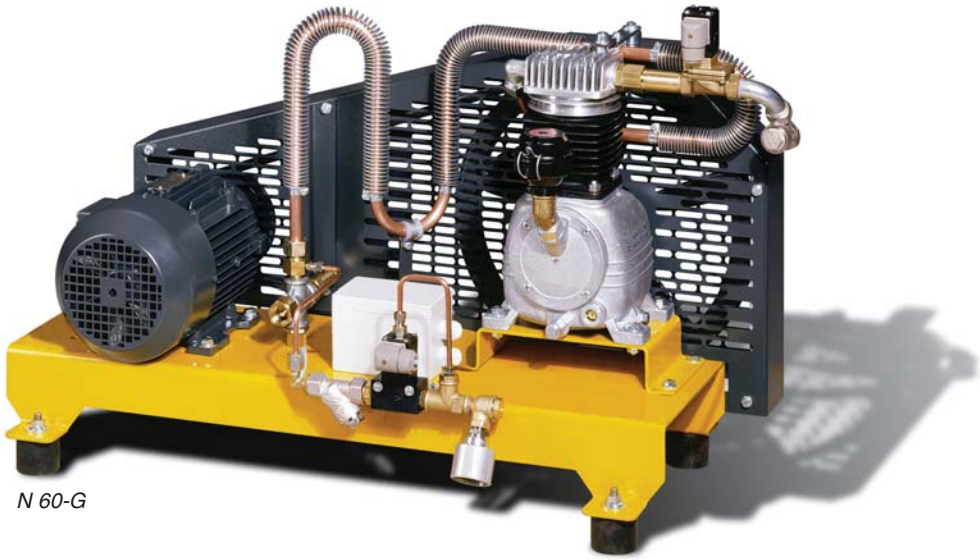
Schematic of Plant Air System with Booster



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.*

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 at pressures to 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.



N 60-G

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.

Standard Starter Panel

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

High quality components

With over 90 years of experience machining quality components, Kaeser designs and builds its own pistons, cylinders, valves, and other components to exacting specifications. Completed boosters are factory-tested to our rigorous quality standards.

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.

Effective cooling

The rugged aftercooler in our two-cylinder machines is efficient and maintenance free, achieving low compressed air outlet temperatures.

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-cooled 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.

Specifications

Model	Inlet Pressure (psig)	Max Discharge Pressure (psig)	Motor Horsepower (hp)	Max. Dimensions* W x D x H (in.)	Max Weight (lb.)
N 60-G**	45-190	500	3	36 x 18 x 21½	154
N 153-G**		580	3 and 5	54½ x 28½ x 32½	562
N 253-G**		650	10 and 15	54½ x 29 x 32	639
N 351-G**			15 and 20	61 x 34½ x 40½	915
N 502-G**			15, 20, and 25	62 x 34¾ x 40¼	1014
N 2001-G		360	50	109½ x 39½ x 41	2624
				78 x 39½ x 40 with water-cooled aftercooler	2271

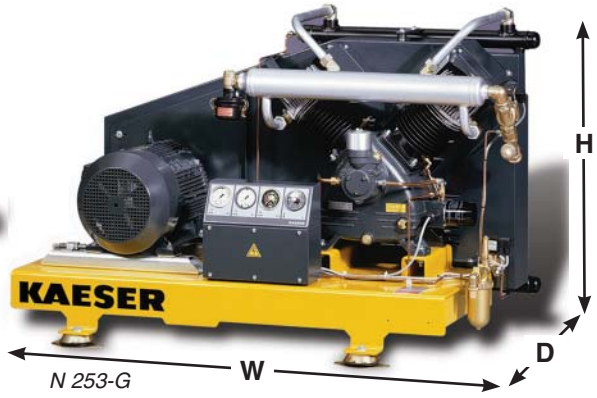
** Dimensions shown are for units with air-cooled aftercoolers, unless otherwise specified.*

*** Not available with water-cooled aftercoolers.*

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