



RAPID HEATING

Air volumes from 200 to 72,500 m³/h

SAFE PRESSURE

For air cushion roofs and air domes



Areas of application:

- Exhibition halls
- Construction site heating
- Construction site drying
- De-icing
- Event rooms
- Marquees
- Aircraft hangars
- Horticulture
- Drying grain
- Greenhouses
- Rooms for commercial use
- Industrial halls
- Storage rooms
- Agriculture
- Logistics centres
- Production facilities
- Protection spaces
- Sports halls
- Stable heating
- Tennis halls
- Air domes
- Drying units
- Event tents
- Consumer markets
- Workshops



Galvanised stainless steel is available in all RAL colours.

INNOVATIVE AIR HEATING TECHNOLOGY

High-performance, energy-saving, certified

We can confidently say we belong to the leading companies specialising in production of heated air. Individual client requirements are flexibly and creatively respected with the backing of our business research and development. We stress outstanding quality and the best pricing structure for our clients. All machines are produced at our Detmold factory, our expertise is exemplary and final controls perfect. On-going enhancement of our heated air units is proved by our quality control under internationally-recognised norm DIN EN ISO 9001:2008 and in addition all our products and processes undergo carefully-defined controls aimed at on-going enhancement (KVP by the PDCA cycle).

Heated air units by S+H Nolting –

Our range for you:

- Currently 11 series with 73 machines
- Stainless steel and galvanized steel plate
- Air volumes from 200 to 72,500 m³/h
- Heating media electric/natural gas/liquid gas/heating oil
- Numerous applications (see left)

... we always deliver customized temperature!



GHK



S range



MOBILE CENTRAL HEATING UNITS

Rapid heating of various areas.

Compact, stackable, robust, high-performance, economical, long-life: Our KL series with air volumes of 4,500 to 25,100 m³/h meets the highest expectations of demanding renting companies of heated air units.

Specially designed for automatic, problem-free heating, they are mainly used to heat buildings and large halls and festival tents and in industrial buildings to protect against power outages. Other machines of this type: HLF and HSW-T.



OPTIMAL STABLE TEMPERATURES

Good for the health and efficiency of your animals.

With air volumes of 200 to 6,900 m³/h and 28 types we provide an exemplary wide range of warm air heaters for agricultural use that proved a success worldwide.

Heating media electric/natural gas/LPG/heating oil EL. All types are made of stainless steel (resistant to damaging stable air), there are half- and fully-automatic: GHK-EZ, GHK, GK 65, HSW, NE, NG-L, NG-LF.



HEAT WITHOUT LEAD-TIME

For glass and sheet greenhouses of all sizes.

With our current 37 types (air volumes of 900 to 72,500 m³/h) we can fulfil almost all requirements quickly, economically and silently. Heating media electric/ heating oil EL/natural gas/liquid gas High safety standards and favourable consumption figures, mobile or stationary, steel and galvanised stainless steel (available in all RAL colours), approved and TÜV-tested under DIN EN 13842... we fulfil all your requirements flexibly and ensure energy savings to minimise costs.

Types: NE (fully wired), HLF (mobile) und S/L (standing/lying).



HEAT FOR THE AVIATION INDUSTRY

Rapid heating and ventilation for aircraft hangars.

Our S/L range (stationary/lying) with 28 types and air volumes of 2,800 to 72,500 m³/h in series meets almost all requirements. Equipped with high-performance fan burners all types offer the energy-saving effect of direct heating: Transportation losses through storage media such as steam and water are prevented, and very rapid heating is the positive result!

Connection of several S/L machines is also possible as is a weather-proof version. Upon request these warm air heaters come complete with burners, ducting, exhaust gas unit and special accessories... tell us your desires.



GOOD CLIMATE FOR CELEBRATION

Inclusive and mobile for tents and halls.

The heated air units in our HLF series are mobile, robust and reliable. Movement is easy in the most difficult terrain, so arrange rapid heating with targeted air at the right place: with air volumes of 2,400 to 11,000 m³/h! Various configurations are possible (for example retro-fitting for oil heating, oil drip tray and tank, heated air hoses, hose connection for recirculation mode). For very large events or exhibition/fair halls the mobile and stackable warm air heaters in our KL range with air volumes of 4,500 to 25,100 m³/h offer almost unlimited possibilities.



ACCELERATED DRYING

Convective + high temperature drying!

For many applications our high temperature machines with output temperatures up to 300 °C and nominal performance up to 700 kW in combination with convective drying are most effective: The drying process is accelerated and improved and performance increases markedly.

Our offer: We can optimise for you all factors of a drying process, making it a highly efficient system – e.g. for application in the food industry and as air preheating in industry.

Air heating technology
S+H Nolting:
Tested & certified!



DIN EN 1090
(SECTIONS 1-2)



Galvanised stainless steel is
available in all RAL colours.

PRESSURE CONTROL BLOWER

Used reliably worldwide

Nolting pressure control systems combine ambient air drying and pressure increase with redundant running ventilators, adsorption dryers and memory programmable controls (wind, snow and pressure sensors).

Air cushion/foil cushion roofs

The basic configuration makes several sizes available that can be combined and modified for very large roof areas and cushion volumes. Through integration of additional components all pressure control blowers can be used to cast shade (movable middle part of air cushion). All machines are also available with frequency converter.

Air domes

These are relatively quick to assemble and are an interesting, cost-effective alternative to large constructions. Since there are many configuration possibilities (size, form, colour) and applications available (sport, events, exhibitions, storage/ logistics, production), the worldwide total of air domes has been growing over the years... even in places where hostile climatic conditions exist. Use our experience to your advantage – we are happy to advise you.



DG 500



K range



WIDE BREADTH

Air cushion roofs for innovative construction.

Our pressure control systems were specially developed for air cushion/foil cushion roofs and flexible special constructions. There are units for roof areas up to 5,000 m² (pressure to 2,600 pa) that can be combined and modified for large roof areas and cushion volumes (also for shade).

The performance and quality of our pressure control systems/ pressure fans is demonstrated by their multiple domestic and international applications –see next page.



VARIED USES

Air domes pay off!

Our blowers offer air volumes of 10,400 to 44,500 m³/h and are designed to use heating media in the form of heating oil EL/natural gas/LPG/electricity and hot water. There are special versions with increased performance for planners and architects to design large air domes for various purposes. Since all components are carefully interrelated, we also deliver entrances (emergency and revolving doors and locks for persons and goods) and sensor controls for wind and snow, controls for hall pressure and/or ambient temperature (daily, nightly and weekly programming) and remote control by internet or SMS.

NOLTING SUPPORTING AIR TECHNOLOGY: ON OFFER WORLDWIDE:

Air cushion/foil cushion roofs

Australia, Tasmania, CICC
Chile, Santiago de Chile, Museo Precolumbio
Denmark, Aarhus, Botanic Garden
Denmark, Copenhagen, Friedriksberg
Germany, Brandenburg, Tropical Island
Germany, Düsseldorf, Meilenwerk
Germany, Hamburg, Hamburger Meile
Germany, Paderborn, ZOB
Germany, Munich, Allianz Arena
France, Lille, Equipement + Polyvaent de Quartier
France, Perpignan, Galeria Marchande Claire
France, Tours, ECLR Tours
Great Britain, London Heathrow Airport
India, Bangalore, Ozone Bangalore
India, Chennai, Forum Vijaya Mall

India, Padua, Greenhouse
Italy, Milan, Central Station
Italy, Milan, Expo
Luxemburg, Europaschule
Netherlands, Arnheim, Alliander
Austria, Salzburg, Main Station
Poland, Ruda Slaska, Open-Air Pool
Portugal, Lisbon, IPS School
Russia, Sotchi, Sotchi Tower
South Africa, Johannesburg, Key West
South Korea, Gu-rye Thermal Spring
Turkey, Istanbul, Altur
Turkey, Istanbul, Forum
Hungary, Budapest, Aquaworld
USA, Suny, State University

Air domes

Azerbaijan, Baku, Multisport Dome
Belgium, Brussels, Royal Racing Club Brussels
Finland, Helsinki, Pajamaki Soccer Dome
Great Britain, London, FC Chelsea Soccer Dome
Latvia, Riga, Olimpika Riga
Netherlands, Amsterdam, Ajax Amsterdam Soccer Dome
Norway, Bronnoysund, Bronnoysund Soccer Dome
Austria, Vienna, TLH Stadionbad Wien
Poland, Warsaw, Legia Warsaw Soccer Dome
Russia, St. Petersburg, IWAN I+II
Sweden, Stockholm, Djurgardens IF Soccer Dome
Switzerland, Zürich, TLH Uni Zürich
Slovakia, FK Semica Soccer Dome
Czech Republic, Prague, TLH Sparta Prague
(Extracts, references)

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