



## Ground source heat pump **NIBE F1345**



The NIBE F1345 is one of a new generation of heat pumps, designed to supply your heating and tap water needs in a cost-effective, environmentally friendly way. With its two large scroll compressors, NIBE F1345 is the ideal ground source heat pump for multi-occupancy buildings, industrial premises, churches and other buildings with a large heat demand. The compressors collaborate and engage as necessary, give better power control, less wear and greater operational ability.

With its smart technological features, this product will play an essential part of your connected home. It will provide you with a self-adjusting control system that regulates your indoor climate in an efficient way. You will do the environment a favor while maintaining all the comfort in your home.

Thanks to smart technology, the product gives you control over your energy consumption and will be a key part of your connected home. The efficient control system automatically adjusts the indoor climate for maximum comfort, and you do nature a favour at the same time.



- **Double compressors give better power control, longer operating periods, less wear and greater operational security.**
- **Less than 5 tonnes CO<sub>2</sub> equivalent refrigerant amount per cooling module.**
- **Up to 540 kW with 9 x F1345 in the same system.**

# Specifications NIBE F1345

F1345		24 kW	30 kW	40 kW	60 kW
Space heating efficiency class of the system 35°C / 55°C <sup>1)</sup>		A+++ / A++			
Space heating efficiency class 35°C / 55°C <sup>2)</sup>		A++ / A++			
SCOP <sub>EN14825</sub> average climate, 35°C / 55°C		4.8 / 3.8	4.7 / 3.6	4.8 / 3.8	4.6 / 3.7
SCOP <sub>EN14825</sub> cold climate, 35°C / 55°C		5.0 / 4.0	4.9 / 3.8	5.0 / 3.9	4.7 / 3.8
Nominal heating output (P <sub>design</sub> )	kW	28	35	46	67
Output data according to EN 14511 nominal 0/35 – COP <sub>EN14511</sub>		4.65	4.44	4.49	4.32
Sound power level (L <sub>WA</sub> ) according to EN 12102 at 0/35	dB(A)	47			
Rated voltage		400V 3N ~ 50 Hz			
Refrigerant amount in CO <sub>2</sub> -equivalent	ton	2 x 3.55	2 x 3.55	2 x 3.02	2 x 3.55
Height / Width / Depth	mm	1800 / 600 / 620			
Weight complete heat pump	kg	320	330	345	346

<sup>1)</sup> Scale for product's efficiency class, room heating A+++ to D. <sup>2)</sup> Scale for system's efficiency class for room heating: A+++ – G. Reported system efficiency takes the product's temperature regulator into account.

## Sustainable energy solutions

Since 1952, NIBE has been manufacturing energy-efficient and sustainable climate solutions for your home. It all started in Markaryd in Sweden and we value our Nordic heritage by harnessing the power of nature. We combine renewable energy with smart technology in order to offer effective solutions so that together we can build a more sustainable future.

Whether it's a chilly winter's day or a hot summer's afternoon, we need a well-balanced indoor climate for a comfortable everyday life, whatever the weather. Our wide range of products supplies your home with cooling, heating, ventilation and hot water, so that you can create a pleasant indoor climate with a low impact on nature.

**A+++**

The system's efficiency class for heating 35 °C.

**A++**

The system's efficiency class for heating 55 °C.