NILAN®
OUTSTANDING INDOOR CLIMATE

GO GREEN BY NILAN

AIR9

The AIR9 air/water heat pump is very quiet and can be easily placed without burdening the surroundings. In summer and during the transitional seasons of spring and autumn, when only minimal heating is required, it can be limited to a minimum. Since the hot water production is generated from the energy of the exhaust air via the ventilation heat pump, the consumption of the AIR9 is very low. At outdoor temperatures of 7°C and above, it is factory limited to 60%. During the warm season, it can be set to start once a week to circulate the water, remaining quiet while you sleep with the windows open or while you enjoy your terrace and garden.

The AIR9 is exclusively intended for outdoor installation. It is connected to the Compact P2 indoor unit via a frost-protected water line. The refrigeration circuit is hermetically sealed. The Compact P2 indoor unit is equipped with a reversible heat pump, providing ventilation, heating, cooling, hot water, and heating for the entire unit.

Control: CTS602 with integrated HMI touch panel in the base unit. The gateway for control via the Nilan app is included in the delivery.

MADE IN DENMARK

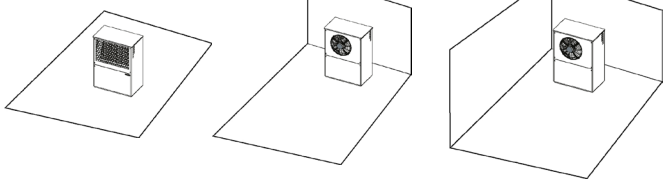
Dimensions (W x D x H)	938 x 673 x 1318 mm
Weight	165 kg
Sound power level	12 - 44 dB*
Rated heat output	3,00 - 5,68 kW *
Rated air flow rate	3000 m³/h

The heat pump can be precisely adjusted to meet your needs, thus saving a considerable amount of energy.

The sound from the AIR outside part reverberates depending on the placement around the house as well as the substrate on which the unit stands and the surroundings. The below is measured for hard substrate.

Sound effect LWA dB(A) 7/6 °C - 30/35 °C = 46 dB(A) according to EN14511, EN 12102, EN3743/1 - Ecodesign 811/2013 and 813/2013.

Sound pressure LpA dB(A) according to EN13487:2003



Q = 2 (standalone) Q = 4 (against a wall) Q = 8 (in a corner)

Sound power level

Distance in meters	1	2	6	10	21
Position factor 2	38	32	22	18	12
Position factor 4	41	35	26	21	15
Position factor 8	44	38	28	24	18

Energy efficiency class space heating	A+++
Supply voltage (inside part)	400V, 3L+N+PE, 50Hz
PMAX (inside part)	6,5 kW
Fuse size (inside part)	16A
Standby electricity consumption	10 W
Supplementary electrical heating	2 x 3 kW
Buffer tank (integrated)	50 L
Opening pressure safety valve (central heating)	2,5 bar
Expansion vessel (central heating)	10 liters
Booster expansion vessels	0,5 bar G
Variable compressor	30 - 100 %
Tightness class fan	IP25
Supply voltage (outside part)	230V 1 N+PE, 50Hz
PMAX (outside part)	3300 W
Fuse size (outside part)	16 A
Rated output, (max/min) A-Pump	31/99 W
Rated output, (max/min) A-Pump	0,13/0,43 A
Condenser pressure loss (central heating)	2,5 kPa/0.29 l/s
Central heating connection	3/4"
Refrigerant	R410A
Refrigerant filling	2,85 kg
Pressostat low pressure (on/off)	2,2/3,4 bar G
Pressostat high pressure (on/off)	42/33 bar G
Operating temperatures	-22 °C → 50 °C
Central heating, flow temperature	25°C → 55°C
Connection dimension	1"
Heat output PH with variable compressor at 7°C/35°C, according to EN 14511:2012 (max. 5400 RPM)	8,4 kW
Heat output PH with variable compressor at 2°C/35°C, according to EN 14511:2012 (max. 5400 RPM)	6,7 kW
Heat output PH with variable compressor at -7°C/35°C, according to EN 14511:2012 (max. 5400 RPM)	5,7 kW
Heat output PH with variable compressor at -15°C/35°C, according to EN 14511:2012 (max. 5400 RPM)	4,5 kW
Heat output PH with variable compressor at 7°C/45°C, according to EN 14511:2012 (max. 5400 RPM)	7,8 kW
Heat output PH with variable compressor at -7°C/45°C, according to EN 14511:2012 (max. 5400 RPM)	5,4 kW
SCOP testet according to EN 14825:2012*	5,11
Pdesign (tout -10°C)	5,21 kW

*SCOP (Seasonal COP) is for "low temperature use, average climate, defined flow, reversible"

Accessories

• SHW tank

At **www.en.nilan.dk** you can find more information e.g. design data, dimensional drawings, installation instructions and ecodesign data.

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