



**Highly efficient,
modern**

**heat pumps for central heating
and domestic hot water**

INDEX	NEXUS M8 EVI	420000508
	NEXUS M13 EVI	420000513
	NEXUS M18 EVI	420000518
	NEXUS M35 EVI	420000535
	+ INSYG ALFA (M EVI)	490380004

Inverter monoblock heat pumps

Monobloc heat pumps are equipped with an infinitely variable compressor and a brushless speed-controlled fan. This allows the heat pump to adapt to the energy needs of the heat consumers. Stable operation of the heat pump allows for high efficiency with

low noise levels generated by the compressor. The refrigeration system equipped with EVI (Enhanced Vapour Injection) technology ensures high efficiency in classic radiator.



One of the cheapest ways to heat buildings. The system works even at temperatures of -25°C



High comfort of use. Intuitive and simple operation of the controller.



High operating efficiency and long service life, thanks to the use of components from world-renowned manufacturers.



The unit's compact design allows for quick installation.



Carel's intuitive easy-to-use controller ensures optimal control and proper system operation. Possibility of remote operation through the use of a dedicated internet module.



Energy efficiency class: A++ at 55°C supply temperature, A+++ at 35°C supply temperature

Technical specifications

		NEXUS M8 EVI	NEXUS M13 EVI	NEXUS M18 EVI	NEXUS M35 EVI
SCOP (W35) moderate climate	kWh/kWh	4,59	4,72	4,46	4,58
SCOP (W55) moderate climate	kWh/kWh	3,47	3,47	3,51	3,47
Energy efficiency class W35/W55		A+++ / A++			
Compressor		Panasonic (rotary, multi-stage steam injection)			
Cooling mode		Yes			
Ambient temp. min/max in cooling mode	°C	from 17 up to 35			
Ambient temp. min/max in heating mode	°C	from -25 up to +45			
Recommended heating water flow	m ³ /h	1,4	2,2	3,1	6,0
Working medium / GWP		R32 / 675			
Amount of working medium	kg	1,3	1,6	2,7	4
Defrost type		hot gas (reverse circulation)			
Sound power level L _{WA} EN12102	dB	62	65	69	66
Sound pressure** at a distance of 5m	dB	40	43	47	44
Water connection	cal	1 ET			
Dimensions					
L x W x H	mm	970 x 475 x 835	1100 x 475 x 985	1050 x 480 x 1330	1160 x 500 x 1580
Weight (net/gross)	kg	110/120	140/150	170/180	230/240
Electrical connection					
Power supply		220-240V 50Hz	380-415V 3~ 50Hz	380-415V 3~ 50Hz	380-415V 3~ 50Hz
Power cable	mm ²	3x4,0	5x2,5	5x4,0	5x6,0
Max. operating current	A	16,5	9,3	11,2	21,4
Max. starting current	A	<5	<5	<5	<5



INSYG ALFA

**Control module with user panel
for Nexus M EVI Heat Pumps.**

Main features

- › Control of 2 heating circuits with mixing valves according to the heating curve;
- › Switching the circuit between central heating and DHW according to demand (DHW priority);
- › Switching on an electric heater as a heating support, emergency source;
- › Control of DHW circulation pump;
- › Schedule for central heating and for DHW;
- › User panel with 4.3" touch-screen graphic display;
- › Graphic display of heat pump and heating circuit operating parameters.
- › Can be connected to the Internet module through the MODBUS communication port.

Technical specifications

Dimensions (L x W x H)	129 x 351 x 299
Weight	kg 3,3
Electrical connection	230V / 50Hz**
Max. heater power***	6 kW

** When connecting optional 400V heater, 400V 3~ 50Hz power supply should be used.

*** The heater is not an element of the Insyg Alfa.