

## GROUND-TO-WATER INVERTER HEAT PUMPS

### EcoPart 612M, 616M

Three-phase ground-to-water heat pumps with a scroll compressor and speed control (inverter), offering a long service life. The advantage of an inverter heat pump is the adjustment of the power to the actual requirements of the house with regard to space and DHW heating.

These heat pumps install easily, offering a high COP and an extremely low noise level. The feature of smart defrosting keeps monitoring the condition of the heat pump and starts defrosting for the shortest necessary time only when it is really needed which contributes to a high efficiency of these heat pumps.

They can operate without a thermal store, with suitable hot water tanks. Control of the house heating and communication with the heat pump is provided by an external IR controller.



*\*Energy Efficiency Class for the set with controller under average climate conditions for low-temperature application*

- **New SCROLL compressor with speed control and a long service life**
- **Smart defrost**
- **SCOP up to 5.4**
- **Energy efficiency class with controller A+++**
- **Suitable to be combined w. three-phase PV systems**

TECHNICAL DATA			EcoPart 612M	EcoPart 616M
Output		[kW]	2.5-11.8	4-16
SCOP		[-]	5.4	5.2
Primary circuit/ HP flow temp. at B0/W35, 20 rps	Heat output	[kW]	2.27	4.20
	Power input	[kW]	0.33	0.9
	COP	[-]	6.94	4.66
Primary circuit/ HP flow temp. at B0/W35, 50 rps	Heat output	[kW]	5.91	10.52
	Power input	[kW]	1.30	2.34
	COP	[-]	4.56	4.50
Primary circuit/ HP flow temp. at B0/W35, 100 rps	Heat output	[kW]	12.14	15.60
	Power input	[kW]	2.42	4.19
	COP	[-]	5.01	3.72
Dimensions and weight	Width	[mm]	596	596
	Height	[mm]	770	770
	Depth	[mm]	673	673
	Weight	[kg]	170	172
Code		[-]	18259	18290

EcoPart 600M heat pumps are supplied incl. circulation pumps. They shall be installed exclusively either with IR controllers (see page 24), or with indoor units (see pages 18-23).