



ZEME/UNDER THE MARKETS

A heat pump at an attractive price for convenient
heat supply and excellent hot water comfort:

"VITOCAL 200-G"



**Vitocal ground/water
source heat pumps**

Make the best use of
renewable energy

The cost-effective Vitocal 200-G ground/water heat pump is also suitable for installation near residential areas, as it is quiet.



Heat pump Vitocal 200-G with hot water tank Vitocell 100-W (left side)



FORLIGN

The Vitocal 200-G heat pump is a more alternative to the 300 series. Thanks to cooling circuits with a constant heating capacity (five power settings), it covers a wide range of applications with high efficiency.

Small surface area required for installation

This heat pump requires a small surface area and is therefore particularly recommended in space-constrained environments: the compact housing comes pre-installed with a primary circuit recirculation pump, a heating circuit pump and a three-way diverter valve. To facilitate the handling and installation of the Vitocal 200-G, hydraulic and electrical plug-in connections allow the new cooling circuit module to be easily disconnected from the heat pump and transported separately. In addition, the adaptive connection concept allows the heat pump to be quickly adapted to the conditions of the installation site.

Quiet operation allows installation close to living areas

The housing fully encapsulates the cooling module/hydraulic space and, in combination with the three-dimensional vibration

the separator reduces operating noise to a minimum. With a sound power of only 49 dB(A) (B0/ W55), these heat pumps are among the quietest in their category.

Vitotronic 200 control unit with optional control in the app

The simple text and graphic display on the Vitotronic 200 control unit provides easy and intuitive operation. Settings can be quickly changed the menu. Optionally, control via the internet is possible using the ViCare app on a mobile device.

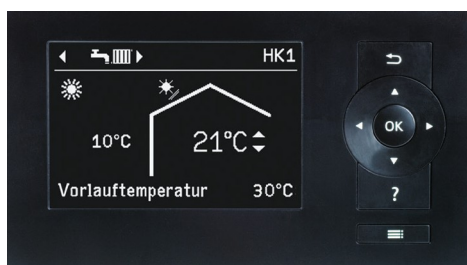
With a ventilation unit for great home comfort

The combination of a heat pump with a Vitovent ventilation unit provides special home and control comfort. Both units can be conveniently controlled via the integrated heat pump control unit or the optional remote control. On hot summer days, the heat pump can be used for space cooling. This is provided by the optional "natural cooling" unit.

"VITOCAL 200-G"

Salt water / farm water: 5,8 lpy 17,4 k

W Water / farm water: 7,5 lpy 2
2,6 k W



VIEHMANN
VISHARE

DIGITAL
ENERGY
SOLUTIONS



"Vitocal 200-G is KEYMARK
certified."

Display of the Vitotronic 200 control unit (type
WO1C)

Online management via the ViCare app

Through the optional web interface "Vitoconnect", the heat pump can be controlled online from anywhere in the world using the free "ViCare" app for the most common mobile devices. The Vitotronic 200 control unit itself, equipped with a simple text and graphic display, provides intuitive control via a set of menus.

"VITOCAL200-G" PRESERVICE

- + High SCOP (Seasonal Coefficient of Performance) value ensures low running costs; according to EN 14825: up to 5.3 in average climatic conditions and low temperature operation (W35)
- + High efficiency is ensured by the RCD (Refrigerant Cycle Diagnostic System) with Electronic Expansion Valve (EEV)
- + The new soundproofing concept ensures that it is barely audible, even when installed close to living rooms
- + Compact dimensions and small installation footprint leave more space in the building
- + Very easy control of heating, cooling, hot water and ventilation via the integrated Vitotronic control unit with simple text and graphic display
- + Deep modulation of the heat pump power ensures increased use of the electricity generated by the farm's own photovoltaic installations
- + "Vitoconnect (optional) provides internet connectivity for management and maintenance via the free "ViCare" app

* "natural cooling" unit required



"VITOCAL 200-G"

- 1 Control unit "Vitotronic 200" (type WO1C)
- 2 Hydraulic plug connectors
- 3 Evaporator
- 4 Primary pump (high efficiency recirculation pump)
- 5 Scroll-type compressors
with constant heating capacity
- 6 Secondary pump (high efficiency
recirculation pump)
- 7 Electrical components

Ground source/water source heat pumps "VITOCAL 200-G"

"VITOCAL 200-G" Salt/water	Tips	BWC 201.B06	BWC 201.B08	BWC 201.B10	BWC 201.B13	BWC 201.B17
Operational data (according to EN 14511, B0/W35, temperature difference 5 K)						
Rated thermal input	kW	5,8	7,5	10,4	13,0	17,4
Coefficient of performance ϵ (COP) in heating mode		4,6	4,6	4,8	4,9	4,5
Maximum flow temperature	°C	65	65	65	65	65
Seasonal coefficient of performance (SCOP) ¹⁾		4,8	5,2	5,3	5,3	4,8
Cooling circuit						
Refrigerant		R410A	R410A	R410A	R410A	R410A
– Filling volume	kg	1,20	1,45	1,70	2,20	2,90
– Global warming potential (GWP) ²⁾		1924	1924	1924	1924	1924
– CO2-equivalent	t	2,3	2,8	3,3	4,2	5,6
Dimensions						
Length (depth) x width x height	mm	680 x 600 x 975				
Weight	kg	145	148	152	158	165
Acoustical noise emissions according to ErP (B0/W55)	dB(A)	40	44	46	49	48
Energy efficiency class ³⁾	III	A+++ / A A++	+++ / A A++	+++ / A A++	+++ / A A++	+++ / A++
"VITOCAL 200-G" With water/water conversion kit	Tips	BWC 201.B06	BWC 201.B08	BWC 201.B10	BWC 201.B13	BWC 201.B17
Operational data (according to EN 14511, B0/W35, temperature difference 5 K)						
Rated thermal input	kW	7,5	9,8	13,4	16,9	22,6
Coefficient of performance ϵ (COP) in heating mode		6,1	6,2	6,4	6,5	6,2
Maximum flow temperature	°C	65	65	65	65	65

- 1) Seasonal coefficient of performance (SCOP) under average climatic conditions, low temperature operation (W35) according to EN 14825
 2) With reference to the IPCC AR5
 3) Energy efficiency class according to EU Regulation No 813/2013 "Heating, average climate - low temperature operation (W35) / medium temperature operation (W55)"

PRODUCTION

- + Floor-mounted ground/water source heat pumps, heating capacity: 5.8 to 17.4 kW (at B0/W35)
- + Heating power in water/water configuration: 7.5 to 22.6 kW (at W10/ W35)
- + Monovalent operation for space heating and hot water
- + Flow temperature: up to 65 °C for high drinking comfort
- + Integrated electrical component

Your trading partner

