

RuralECO WPS618, 400V



Advantages

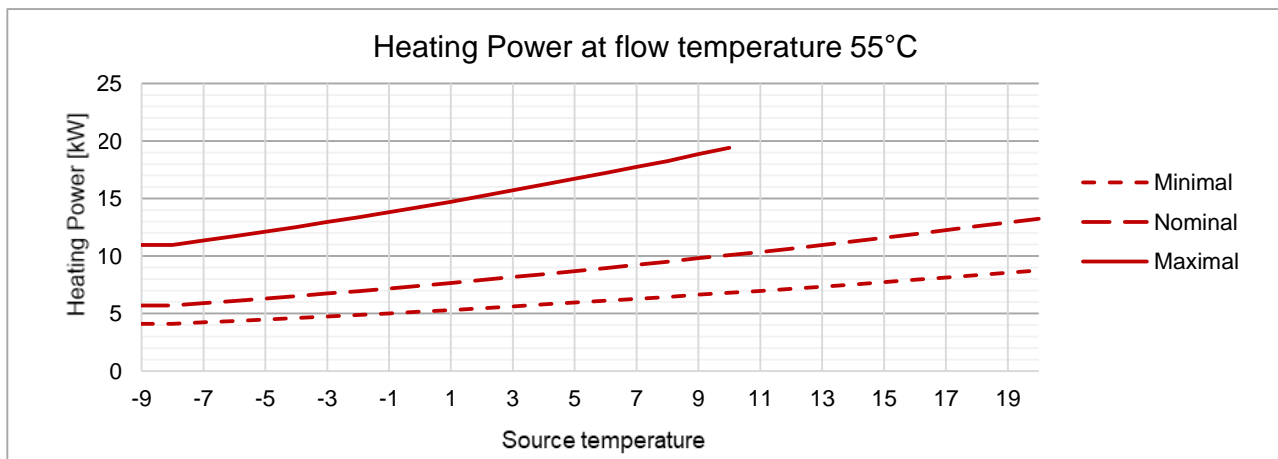
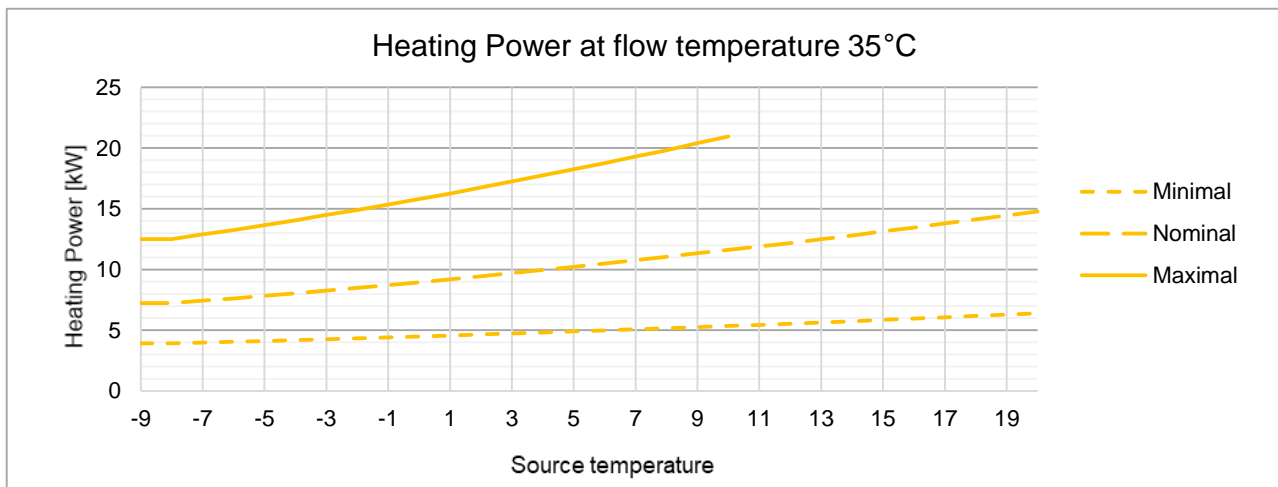
- Highest efficiency
- Latest control technology
- Internet Inside
- Photovoltaic Integration
- extremely maintenance free
- Smart Home Integration

General Data		
Power Range	B0/W35: 4 - 16	[kW]
Energy class VL 35°C	A+++	[-]
Energy class VL 55°C	A+++	[-]
Max. Flow temperature	62,0	[°C]
Electrical Data		
International Protection Marking	IP 20	[-]
Supply control	1/N/PE, 230V, 50Hz	[V, Hz]
Rated Input control	28	[W]
Cos(φ) control	0,90	[-]
Fuse control	1x B13	[-]
Supply compressor	3/N/PE, 400V, 50Hz	[V, Hz]
Operating current compressor	2,79	[A]
Starting current compressor	9 / -	[A / A]
Cos(φ) compressor	0,98	[-]
Fuse compressor	3x C16	[-]
Res. current circuit breaker comp. supply	30mA, Typ B or B+	[-]
Sound power level Data acc. EN12102		
Nom. Sound power level heat pump	46	[dB(A)]
Max. Sound power level heat pump	54	[dB(A)]
Level surcharge low-freq. noise characteristics	-	[dB]
Refrigerant circuit Data		
Compressor - Type	Scroll	[-]
Refrigerant - Type	R410a	[-]
Refrigerant - Amount	4	[kg]
Refrigerant - Fluid Group	2	[-]
Refrigerant - GWP	1924	[-]
Compressor Oil - Type	3MA-POE	[-]
Compressor Oil - Amount	1,18	[l]
Heating Side		
Condenser - Type	Plate heat exchanger	[-]
Condenser - Material	Stainless steel, copper brazed	[-]
Condenser - Flowrate (5K)	2,9	[m³/h]
Condenser pressure loss	4,6	[kPa]
Circulation pump - Type	external	[-]
Circulation pump - residual head	-	[mWs]
Circulation pump - max. power	-	[W]
Source Side		
Evaporator - Type	Plate heat exchanger	[-]
Evaporator - Material	Stainless steel, copper brazed	[-]
Evaporator - Flowrate (3K)	4,30	[m³/h]
Evaporator - Pressure loss	20,40	[kPa]
Source - Type	external	[-]
Source - residual head	-	[mWs]
Source - max. Power	-	[W]

Performance Data*

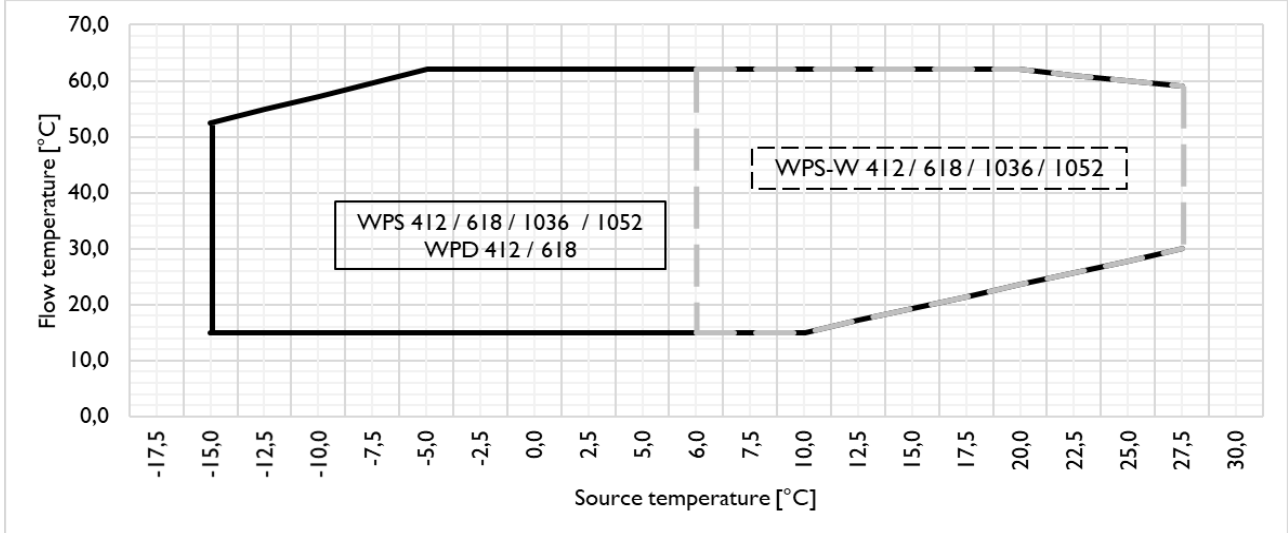
Oper. point	Comp. speed	Heating cap.	Cooling cap.	Rated Input	COP
B0/W35	54%	8,9	7,0	1,9	4,72
B0/W35	75%	11,9	9,3	2,6	4,61
B0/W35	100%	15,8	12,1	3,6	4,36
B0/W55	100%	14,3	9,3	5,0	2,88
B0/W35	Minimal	4,4	3,4	1,0	4,55
B0/W55	Minimal	5,2	3,2	2,0	2,60

Clim.: warmer	35°C	SCOP	5,43
		η_s	214
	55°C	SCOP	4,11
		η_s	161
Clim.: average	35°C	SCOP	5,51
		η_s	217
	55°C	SCOP	4,28
		η_s	168
Clim.: colder	35°C	SCOP	5,53
		η_s	218
	55°C	SCOP	4,38
		η_s	172



* Compressive performance deviations of up to 10% are possible. All informations without guarantee: typographical and printing errors reserved.

Operating limit

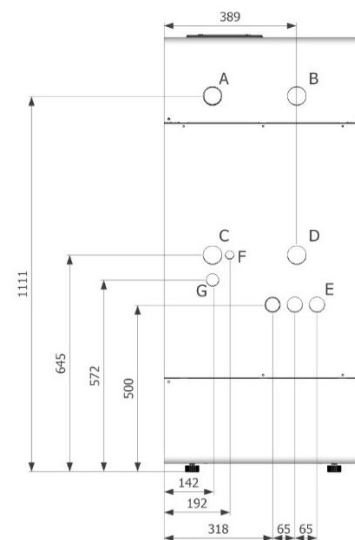


Connection measurements

Heat Pump Dimensions (H x W x D) [mm] 1.300 x 600 x 650

Heat Pump Weight [kg] 174

- A: Source Inlet, G1" AG
- B: Heating Outlet, G1" MT
- C: Source Outlet, G1" AG
- D: Heating Inlet, G1" FT
- E: Electrical Inlet
- F: not in usage
- G: not in usage



Free spaces

- A: 400mm
- B: 400mm
- C: 200mm
- D: 600mm
- E: 400mm

