

RuralECO WPS1036- AC, 400V



Advantages

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

General Data

Power Range	B0/W35: 10 - 36	[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	5,38	[A]
Starting current compressor	38 / -	[A / A]
Cos(ϕ) compressor	0,98	[-]
Fuse compressor	3x C32	[-]
Res. current circuit breaker comp. supply	30mA, Typ B or B+	[-]

Sound power level Data acc. EN12102

Nom. Sound power level heat pump	55	[dB(A)]
Max. Sound power level heat pump	66	[dB(A)]
Level surcharge low-freq. noise characteristics	-	[dB]

Refrigerant circuit Data

Compressor - Type	Scroll	[-]
Refrigerant - Type	R410a	[-]
Refrigerant - Amount	8	[kg]
Refrigerant - Fluid Group	2	[-]
Refrigerant - GWP	1924	[-]
Compressor Oil - Type	3MA-POE	[-]
Compressor Oil - Amount	2,51	[l]

Heating Side

Condenser - Type	Plate heat exchanger	[-]
Condenser - Material	Stainless steel, copper brazed	[-]
Condenser - Flowrate (5K)	6,1	[m ³ /h]
Condenser pressure loss	8,3	[kPa]
Circulation pump - Type	external	[-]
Circulation pump - residual head	-	[mWs]
Circulation pump - max. power	-	[W]

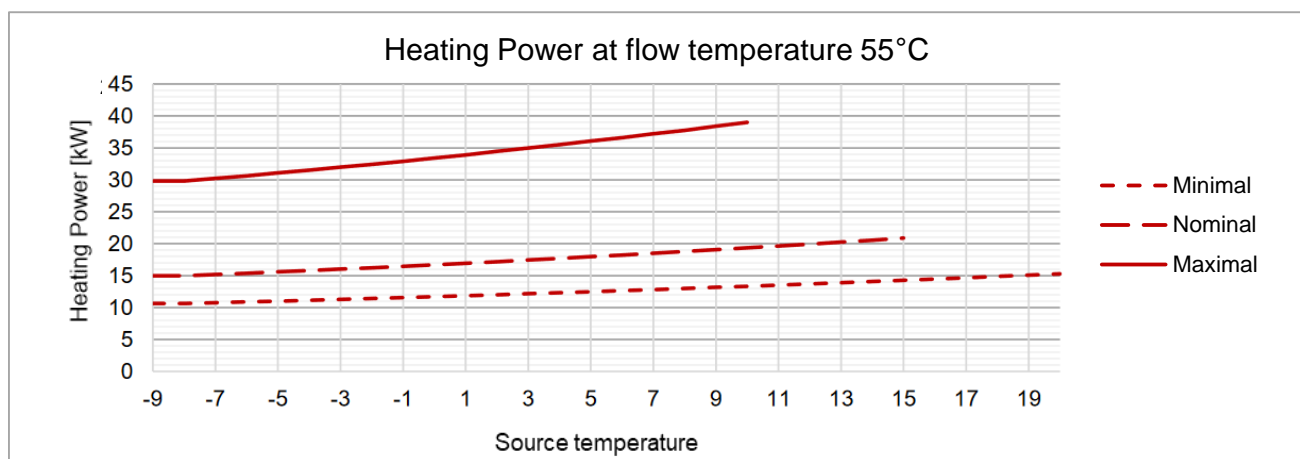
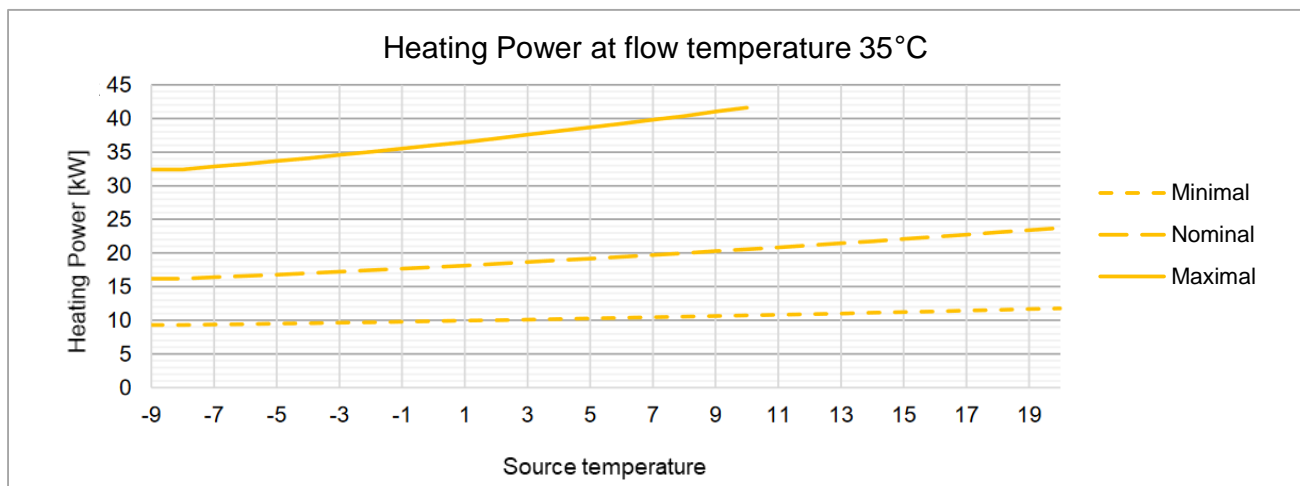
Source Side

Evaporator - Type	Plate heat exchanger	[-]
Evaporator - Material	Stainless steel, copper brazed	[-]
Evaporator - Flowrate (3K)	8,00	[m ³ /h]
Evaporator - Pressure loss	11,40	[kPa]
Source - Type	external	[-]
Source - residual head	-	[mWs]
Source - max. Power	-	[W]

Performance Data*

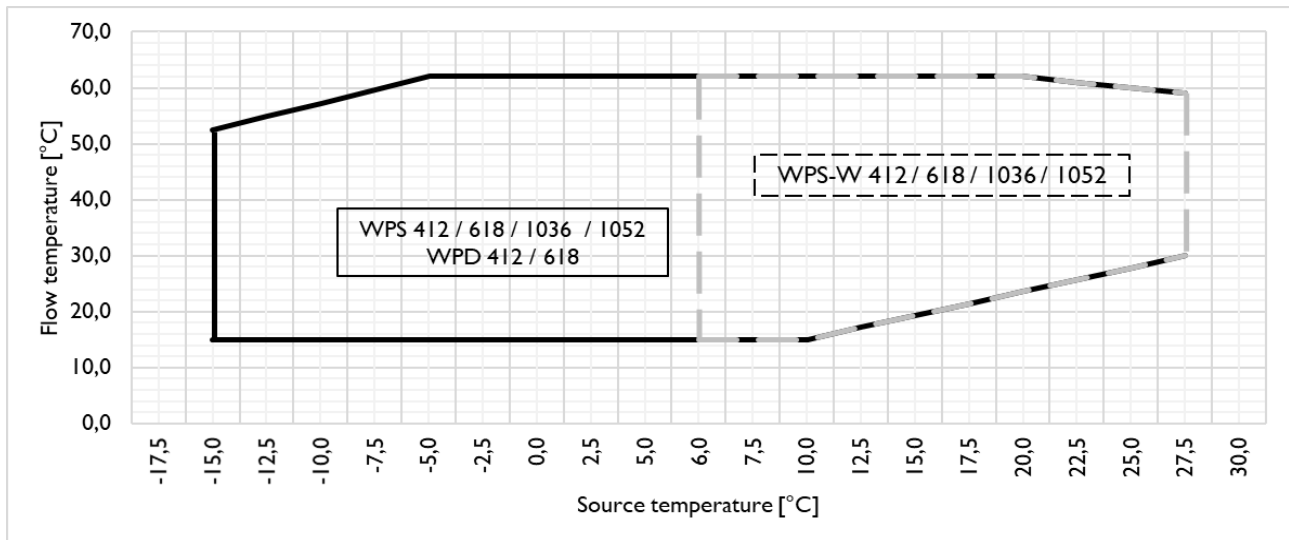
Oper. point	Comp. speed	Heating cap.	Cooling cap.	Rated Input	COP
B0/W35	50%	17,90	14,2	3,7	4,9
B0/W35	75%	26,90	21,5	5,4	5,0
B0/W35	100%	36,00	27,8	8,2	4,4
B0/W55	100%	33,40	21,9	11,5	2,9
B0/W35	Minimal	10,50	8,2	2,3	4,6
B0/W55	Minimal	14,50	9,2	5,3	2,8
Oper. point	Comp. speed	Cooling power	Rated Input	EER	
B10/W20	50%	26,10	2,58	10,10	

Clim.: warmer	35°C	SCOP	-
		η_s	-
	55°C	SCOP	-
		η_s	-
Clim.: average	35°C	SCOP	5,1
		η_s	200
	55°C	SCOP	3,90
		η_s	151
Clim.: colder	35°C	SCOP	-
		η_s	-
	55°C	SCOP	-
		η_s	-



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

Operating limit

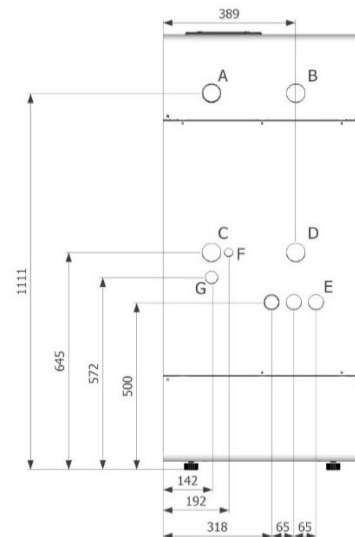


Connection measurements

Heat Pump Dimensions (H x W x D) [mm] 1.465 x 600 x 650

Heat Pump Weight [kg] 300

- A: Source Inlet, G2" AG
- B: Heating Outlet, G2" AG
- C: Source Outlet, G2" AG
- D: Heating Inlet, G2" AG
- E: Electrical Inlet
- F: Inverter cooling Inlet
- G: Inverter cooling Outlet



Free spaces

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

