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General Data

Power range	B0/W35: 2 - 6	[kW]
Energy class VL 35°C	A++ (ab 2019: A+++)	[-]
Energy class VL 55°C	A++	[-]
Max. Flow temperature	60,00	[°C]

Electrical Data

International Protection Marking	IP 20	[-]
Supply control	1/N/PE, 230V, 50Hz	[V, Hz]
Rated Input control	28,00	[W]
Cos(ϕ) control	0,90	[-]
Fuse control	1x B13	[-]
Supply compressor	1/N/PE, 230V, 50Hz	[V, Hz]
Operating current compressor	3,95	[A]
Starting current compressor with/without Softstarter	10 / -	[A / A]
Cos(ϕ) compressor	0,98	[-]
Fuse compressor	1x C16	[-]

Sound power level Data acc. EN12102

Nom. Sound power level heat pump	35,70	[dB(A)]
Max. Sound power level heat pump	47,00	[dB(A)]

Refrigerant circuit Data

Compressor - Type	Scroll	[-]
Refrigerant- Type	R410a	[-]
Refrigerant - Amount	3,80	[kg]
Refrigerant- Fluid Group	2,00	[-]
Refrigerant - GWP	2088,00	[-]
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)	1,11	[m³/h]
Condenser - Pressure loss	9,90	[kPa]
Circulation Pump - Type	external	[-]
Circulation Pump - residual head	-	[mWs]
Circulation Pump - max. Power	-	[W]

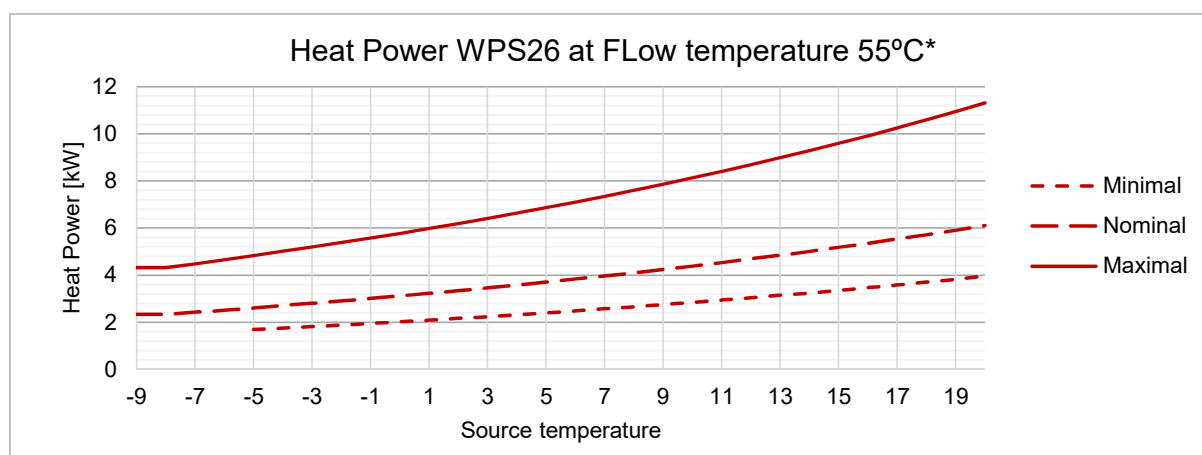
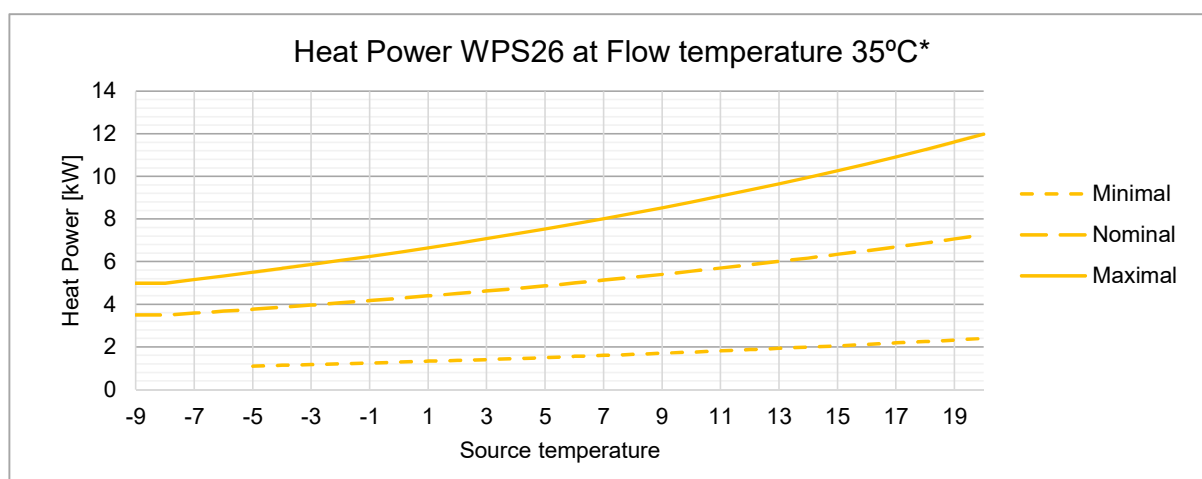
Source Side

Evaporator - Type	Plate heat exchanger	[-]
Evaporator - Material	Stainless steel copper brazed	[-]
Evaporator - Flowrate (3K)	1,46	[m³/h]
Evaporator - Pressure loss	9,87	[kPa]
Source - Type	external Circualtion pump	[-]
Source - residual head	-	[mWs]
Source - max. Power	-	[W]

Performance Data

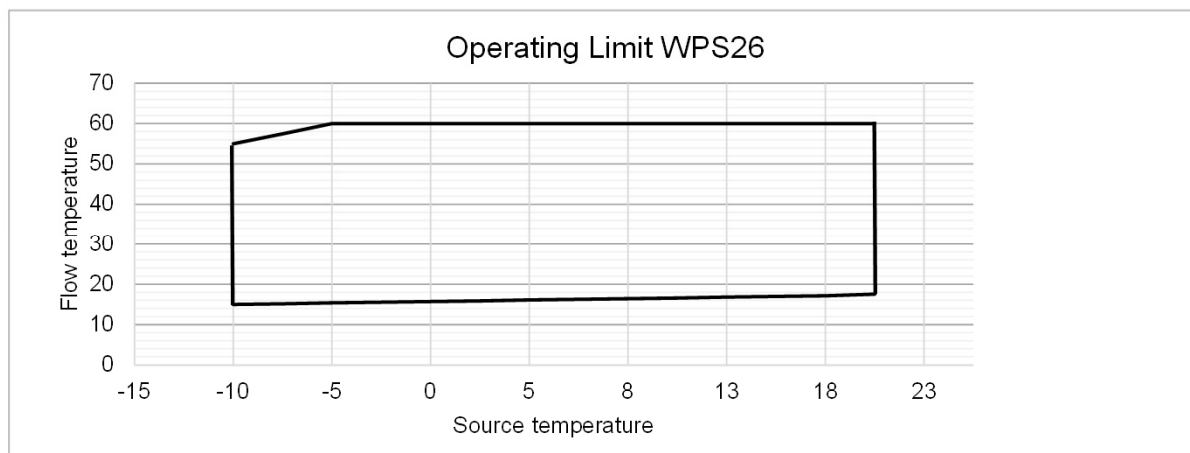
Operating Point	Compressor Speed	Heat Power	Cool Power	Rated Input	COP
B0/W35	Minimal	1,29	0,98	0,31	4,16
B0/W35	Nominal	4,37	3,41	0,96	4,55
B0/W35	Maximal	6,45	4,96	1,49	4,33
B0/W55	Maximal	5,78	3,67	2,11	2,74

Climate: warmer	SCOP 35°C	5,12
	ηs 35°C [%]	199
	SCOP 55°C	3,12
	ηs 55°C [%]	136
Climate: average	SCOP 35°C	5,38
	ηs 35°C [%]	200
	SCOP 55°C	3,73
	ηs 55°C [%]	134
Climate: colder	SCOP 35°C	5,6
	ηs 35°C [%]	207
	SCOP 55°C	3,52
	ηs 55°C [%]	140



* There are differences caused by the compressor up to 10% possible. All statements without guarantee.

Operating limit

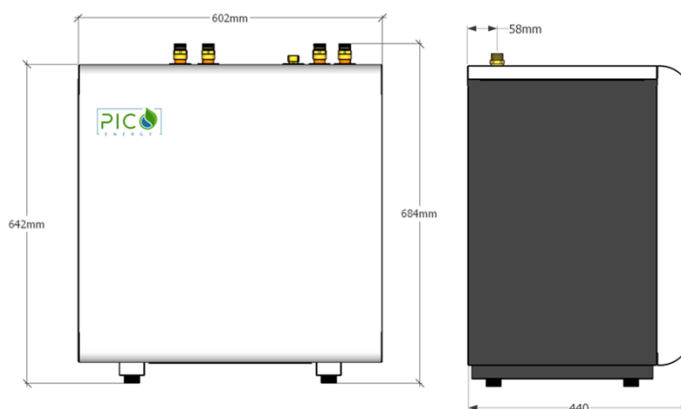


Connection dimensions

Dimensions Heat pump (H x W x D)
Weight Heat Pump

[mm] 640 x 600 x 440
[kg] 59

- A: Source Inlet, G3/4" AG
- B: Heating outlet, G3/4" AG
- C: Source outlet, G3/4" AG
- D: Heating inlet, G3/4" AG
- E: Electrical inlet



Free space

- A: 200mm
- B: 400mm
- C: 100mm
- D: 600mm
- E: 200mm

