

Page 1 of 81

This information was generated by the HP KEYMARK database on 21 Jun 2022

Login

Summary of	S1x55-6	Reg. No.	012-SC0190-19	
Certificate Holder				
Name	Nibe AB	Nibe AB		
Address	Box 14	Zip	S-28521	
City	Markaryd	Country	Sweden	
Certification Body	RISE CERT	RISE CERT		
Subtype title	S1x55-6	S1x55-6		
Heat Pump Type	Brine/Water ar	Brine/Water and Water/Water		
Refrigerant	R407c	R407c		
Mass of Refrigerant	1.16 kg	1.16 kg		
Certification Date	05.08.2019	05.08.2019		

Model: S1255-6 PC 3x400

Configure model		
Model name	S1255-6 PC 3x400	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	
Off-peak product	No	

Brine/Water Heat Pump

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.15 kW	2.78 kW
El input	0.67 kW	0.93 kW
СОР	4.72	2.99



This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	42 dB(A)	42 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7° C	5.17	3.77
Pdh Tj = $+2$ °C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Pdh Tj = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COP Tj = +7^{\circ}C$	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW

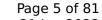




COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	150 %





5.50 kW 3.95 -10 °C
-10 °C
-10 °C
5.00 kW
3.06
3.00 kW
3.97
2.00 kW
4.63
1.20 kW
4.86
5.40 kW
2.84
5.40 kW
2.84
0.99
65 °C
2 W
7 W
7 W



PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Domestic Hot Water (DHW)

Colder Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	102 %	
СОР	2.55	
Heating up time	02:23 h:min	
Standby power input	50.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	245 I	



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	102 %	
СОР	2.55	
Heating up time	02:23 h:min	
Standby power input	50.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	245	

Water/Water Heat Pump

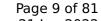
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	3.82 kW
El input	0.66 kW	1.00 kW
СОР	6.00	3.83

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

	Low temperature	Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = +2°C	2.70 kW	2.70 kW





COP Tj = +2°C	7.83	6.21
Pdh Tj = +7°C	1.80 kW	1.80 kW
COP Tj = +7°C	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2378 kWh	3005 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

	Low temperature	Medium temperature
η_{s}	270 %	214 %
Prated	7.00 kW	7.00 kW
SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	6.07	4.52
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = +7°C	2.50 kW	2.50 kW
COP Tj = +7°C	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh

Domestic Hot Water (DHW)

Colder Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	117 %	
СОР	2.93	
Heating up time	02:09 h:min	
Standby power input	45.0 W	
Reference hot water temperature	49.0 °C	
Mixed water at 40°C	240 I	

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	117 %	
СОР	2.93	
Heating up time	02:09 h:min	
Standby power input	45.0 W	
Reference hot water temperature	49.0 °C	
Mixed water at 40°C	240	



Model: S1255-6 3x400

Configure model		
Model name	S1255-6 3x400	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data			
Power supply 1x230V 50Hz			
Off-peak product No			

Brine/Water Heat Pump

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.15 kW	2.78 kW	
El input	0.67 kW	0.93 kW	
СОР	4.72	2.99	



This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	42 dB(A)	42 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
$COP Tj = -7^{\circ}C$	5.17	3.77
Pdh Tj = $+2$ °C	2.10 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.91	4.51
Pdh Tj = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COPTj = +7^{\circ}C$	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW

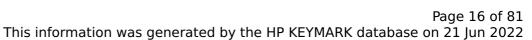




COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	150 %





Prated	5.50 kW	5.50 kW
SCOP	5.20	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Pdh Tj = $+2$ °C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Pdh Tj = $+7^{\circ}$ C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	5.92	4.63
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W



PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Domestic Hot Water (DHW)

Colder Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	102 %	
СОР	2.55	
Heating up time	02:23 h:min	
Standby power input	50.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	245 I	



EN 16147	
Declared load profile	XL
Efficiency ηDHW	102 %
СОР	2.55
Heating up time	02:23 h:min
Standby power input	50.0 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	245 I

Water/Water Heat Pump

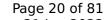
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	3.82 kW
El input	0.66 kW	1.00 kW
СОР	6.00	3.83

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

	Low temperatur	e Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = $+2^{\circ}$ C	2.70 kW	2.70 kW



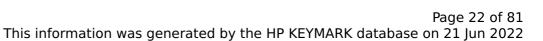


COP Tj = +2°C	7.83	6.21
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.80 kW
$COP Tj = +7^{\circ}C$	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2378 kWh	3005 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	270 %	214 %
Prated	7.00 kW	7.00 kW
SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	6.07	4.52
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = +7°C	2.50 kW	2.50 kW
COP Tj = +7°C	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK

Colder Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	117 %
СОР	2.93
Heating up time	02:09 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	240

EN 16147	
Declared load profile	XL
Efficiency ηDHW	117 %
СОР	2.93
Heating up time	02:09 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	240



Model: S1255-6 PC 1x230

Configure model	
Model name	S1255-6 PC 1x230
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Off-peak product	No

Brine/Water Heat Pump

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.15 kW	2.78 kW
El input	0.67 kW	0.93 kW
СОР	4.72	2.99



This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
$COP Tj = -7^{\circ}C$	5.17	3.77
Pdh Tj = $+2$ °C	2.10 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.91	4.51
Pdh Tj = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COPTj = +7^{\circ}C$	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW

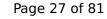




COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	150 %





	· · · · , · ·	int database on 21 jun 202
Prated	5.50 kW	5.50 kW
SCOP	5.20	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Pdh Tj = $+7$ °C	2.00 kW	2.00 kW
$COP Tj = +7^{\circ}C$	5.92	4.63
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W
	•	



PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Domestic Hot Water (DHW)

Colder Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	102 %	
СОР	2.55	
Heating up time	02:23 h:min	
Standby power input	50.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	245 I	



EN 16147	
Declared load profile	XL
Efficiency ηDHW	102 %
СОР	2.55
Heating up time	02:23 h:min
Standby power input	50.0 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	245 I

Water/Water Heat Pump

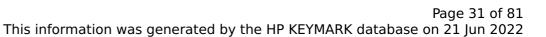
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed



EN 14511-2		
Low temperature Medium temperature		
Heat output	4.30 kW	3.82 kW
El input	0.66 kW	1.00 kW
СОР	6.00	3.83

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

	Low temperatur	e Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = $+2$ °C	2.70 kW	2.70 kW





COP Tj = +2°C	7.83	6.21
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.80 kW
$COP Tj = +7^{\circ}C$	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2378 kWh	3005 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	270 %	214 %
Prated	7.00 kW	7.00 kW
SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	6.07	4.52
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = +7°C	2.50 kW	2.50 kW
COP Tj = +7°C	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21



Page 33 of 81

This information was generated by the HP KEYMARK database on 21 Jun 2022

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh

Domestic Hot Water (DHW)

Colder Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	117 %
СОР	2.93
Heating up time	02:09 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	240 I

EN 16147	
Declared load profile	XL
Efficiency ηDHW	117 %
СОР	2.93
Heating up time	02:09 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	240

Model: S1255-6 1x230

Configure model		
Model name	S1255-6 1x230	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data	
Power supply	1x230V 50Hz
Off-peak product	No

Brine/Water Heat Pump

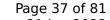
EN 14511-4			
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed		
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	3.15 kW	2.78 kW		
El input	0.67 kW	0.93 kW		
СОР	4.72	2.99		

This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	42 dB(A)	42 dB(A)		

EN 14825				
	Low temperature	Medium temperature		
η_{S}	211 %	157 %		
Prated	5.50 kW	6.00 kW		
SCOP	5.48	4.13		
Tbiv	-22 °C	-22 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	3.40 kW	3.40 kW		
$COP Tj = -7^{\circ}C$	5.17	3.77		
Pdh Tj = $+2$ °C	2.10 kW	2.10 kW		
$COP Tj = +2^{\circ}C$	5.91	4.51		
Pdh Tj = $+7^{\circ}$ C	1.40 kW	1.40 kW		
$COP Tj = +7^{\circ}C$	6.36	5.12		
Pdh Tj = 12°C	1.30 kW	1.20 kW		
COP Tj = 12°C	4.15	4.81		
Pdh Tj = Tbiv	5.40 kW	5.50 kW		





This information was generated by the HP KEYMARK database on 21 Jun 20		
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Average Climate

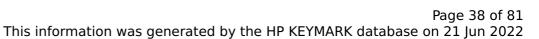
Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

2481 kWh

3287 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	150 %





Prated	5.50 kW	5.50 kW
SCOP	5.20	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W



PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Domestic Hot Water (DHW)

Colder Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	102 %	
СОР	2.55	
Heating up time	02:23 h:min	
Standby power input	50.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	245 I	



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	102 %	
СОР	2.55	
Heating up time	02:23 h:min	
Standby power input	50.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	245 I	

Water/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

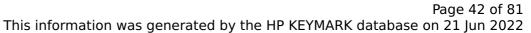


EN 14511-2			
Low temperature Medium temperature			
Heat output	4.30 kW	3.82 kW	
El input	0.66 kW	1.00 kW	
СОР	6.00	3.83	

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

	Low temperature	Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = +2°C	2.70 kW	2.70 kW





3	•	•
COP Tj = +2°C	7.83	6.21
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.80 kW
$COP Tj = +7^{\circ}C$	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
РСК	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2378 kWh	3005 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	270 %	214 %
Prated	7.00 kW	7.00 kW
SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	6.07	4.52
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = +7°C	2.50 kW	2.50 kW
COP Tj = +7°C	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh

Domestic Hot Water (DHW)

Colder Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	117 %	
СОР	2.93	
Heating up time	02:09 h:min	
Standby power input	45.0 W	
Reference hot water temperature	49.0 °C	
Mixed water at 40°C	240 I	

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	117 %	
СОР	2.93	
Heating up time	02:09 h:min	
Standby power input	45.0 W	
Reference hot water temperature	49.0 °C	
Mixed water at 40°C	240	



Model: S1155-6 PC 3x400

Configure model		
Model name	S1155-6 PC 3x400	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data	
Power supply 3x400V 50Hz	

Brine/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.15 kW	2.78 kW
El input	0.67 kW	0.93 kW
СОР	4.72	2.99

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW
COP Tj = Tbiv	4.15	2.84





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

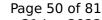
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	150 %
Prated	5.50 kW	5.50 kW





SCOP	5.20	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COP Tj = -7^{\circ}C$	4.37	3.06
Pdh Tj = +2°C	3.10 kW	3.00 kW
$COPTj = +2^{\circ}C$	5.24	3.97
Pdh Tj = $+7$ °C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	5.92	4.63
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W
РСК	9 W	9 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Water/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	3.82 kW	
El input	0.66 kW	1.00 kW	
СОР	6.00	3.83	

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	7.83	6.21
Pdh Tj = +7°C	1.80 kW	1.80 kW
COP Tj = +7°C	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21





general	<u> </u>	,
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Average Climate

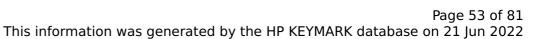
Annual energy consumption Qhe

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

2378 kWh

3005 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	270 %	214 %
Prated	7.00 kW	7.00 kW





SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	6.07	4.52
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = +7°C	2.50 kW	2.50 kW
COP Tj = +7°C	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
РСК	9 W	9 W



Page 54 of 81

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh



Model: S1155-6 3x400

Configure model		
Model name	S1155-6 3x400	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Brine/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

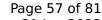
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.15 kW	2.78 kW
El input	0.67 kW	0.93 kW
СОР	4.72	2.99

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW
COP Tj = Tbiv	4.15	2.84





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

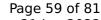
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperate	ure Medium temperature
η_{S}	200 %	150 %
Prated	5.50 kW	5.50 kW
	,	,





SCOP	5.20	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Pdh Tj = $+7$ °C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	5.92	4.63
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Water/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

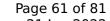
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	3.82 kW
El input	0.66 kW	1.00 kW
СОР	6.00	3.83

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	7.83	6.21
Pdh Tj = +7°C	1.80 kW	1.80 kW
COP Tj = +7°C	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21

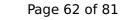




Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2378 kWh	3005 kWh

	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	270 %	214 %
Prated	7.00 kW	7.00 kW
	<u>'</u>	1





SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
$COP Tj = -7^{\circ}C$	6.07	4.52
Pdh Tj = $+2$ °C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = $+7$ °C	2.50 kW	2.50 kW
$COP Tj = +7^{\circ}C$	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W



Page 63 of 81

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh



Model: S1155-6 PC 1x230

Configure model		
Model name	S1155-6 PC 1x230	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data	
Power supply	1x230V 50Hz

Brine/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

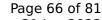
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.15 kW	2.78 kW
El input	0.67 kW	0.93 kW
СОР	4.72	2.99

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW
COP Tj = Tbiv	4.15	2.84

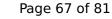




Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

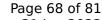
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	150 %
Prated	5.50 kW	5.50 kW





SCOP	5.20	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COP Tj = -7^{\circ}C$	4.37	3.06
Pdh Tj = $+2$ °C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Pdh Tj = $+7^{\circ}$ C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	5.92	4.63
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Water/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	3.82 kW
El input	0.66 kW	1.00 kW
СОР	6.00	3.83

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	7.83	6.21
Pdh Tj = +7°C	1.80 kW	1.80 kW
COP Tj = +7°C	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.95	0.96
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2378 kWh	3005 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

rature Medium temperature
214 %
7.00 kW



Page 71 of 81 This information was generated by the HP KEYMARK database on 21 Jun 2022

This information was generated by the HF KETMAKK database on 21 jun 2022				
SCOP	6.95	5.55		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	6.30 kW	6.30 kW		
COP Tj = -7°C	6.07	4.52		
Pdh Tj = +2°C	3.90 kW	3.90 kW		
COP Tj = +2°C	7.09	5.62		
Pdh Tj = $+7$ °C	2.50 kW	2.50 kW		
$COP Tj = +7^{\circ}C$	7.84	6.34		
Pdh Tj = 12°C	1.80 kW	1.60 kW		
COP Tj = 12°C	7.97	6.57		
Pdh Tj = Tbiv	7.00 kW	7.00 kW		
COP Tj = Tbiv	5.79	4.21		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97		
WTOL	65 °C	65 °C		
Poff	2 W	2 W		
РТО	18 W	15 W		
PSB	10 W	7 W		
PCK	9 W	9 W		



Page 72 of 81

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh



Model: S1155-6 1x230

Configure model		
Model name	S1155-6 1x230	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Brine/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

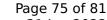
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.15 kW	2.78 kW
El input	0.67 kW	0.93 kW
СОР	4.72	2.99

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	211 %	157 %
Prated	5.50 kW	6.00 kW
SCOP	5.48	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Pdh Tj = +7°C	1.40 kW	1.40 kW
$COPTj = +7^{\circ}C$	6.36	5.12
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	4.15	4.81
Pdh Tj = Tbiv	5.40 kW	5.50 kW
COP Tj = Tbiv	4.15	2.84





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	10 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2481 kWh	3287 kWh

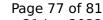
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

perature Medium temperature
150 %
5.50 kW





SCOP 5.20 3.95 TDIV -10 °C -10 °C TOL -10 °C -10 °C Pdh Tj = -7°C 5.00 kW 5.00 kW COP Tj = -7°C 4.37 3.06 Pdh Tj = +2°C 3.10 kW 3.00 kW COP Tj = +2°C 5.24 3.97 Pdh Tj = +7°C 2.00 kW 2.00 kW COP Tj = +7°C 5.92 4.63 Pdh Tj = 12°C 5.95 4.86 COP Tj = 12°C 5.95 4.86 Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 5.40 kW 5.40 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 0.98 0.99 WTOL 65 °C 65 °C Poff 2 W 2 W PTO 10 W 7 W PCK 9 W 9 W		· · · · · · · · · · · · · · · · · · ·	·
TOL -10 °C -10 °	SCOP	5.20	3.95
Pdh Tj = -7°C 5.00 kW 5.00 kW COP Tj = -7°C 4.37 3.06 Pdh Tj = +2°C 3.10 kW 3.00 kW COP Tj = +2°C 5.24 3.97 Pdh Tj = +7°C 2.00 kW 2.00 kW COP Tj = +7°C 5.92 4.63 Pdh Tj = 12°C 1.30 kW 1.20 kW COP Tj = 12°C 5.95 4.86 Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh	Tbiv	-10 °C	-10 °C
COP Tj = -7°C	TOL	-10 °C	-10 °C
Pdh Tj = +2°C 3.10 kW 3.00 kW COP Tj = +2°C 5.24 3.97 Pdh Tj = +7°C 2.00 kW 2.00 kW COP Tj = +7°C 5.92 4.63 Pdh Tj = 12°C 1.30 kW 1.20 kW COP Tj = 12°C 5.95 4.86 Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = +2°C 5.24 3.97 Pdh Tj = +7°C 2.00 kW 2.00 kW COP Tj = +7°C 5.92 4.63 Pdh Tj = 12°C 1.30 kW 1.20 kW COP Tj = 12°C 5.95 4.86 Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = -7°C	4.37	3.06
Pdh Tj = +7°C 2.00 kW 2.00 kW COP Tj = +7°C 5.92 4.63 Pdh Tj = 12°C 1.30 kW 1.20 kW COP Tj = 12°C 5.95 4.86 Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +7°C	$COPTj = +2^{\circ}C$	5.24	3.97
Pdh Tj = 12°C 1.30 kW 1.20 kW COP Tj = 12°C 5.95 4.86 Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = 12°C	$COPTj = +7^{\circ}C$	5.92	4.63
Pdh Tj = Tbiv 5.40 kW 5.40 kW COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = Tbiv 4.15 2.84 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	5.95	4.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
WTOL 65 °C 65 °C Poff 2 W 2 W PTO 10 W 7 W PSB 7 W 7 W	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Poff 2 W 2 W PTO 10 W 7 W PSB 7 W 7 W	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
PTO 10 W 7 W PSB 7 W 7 W	WTOL	65 °C	65 °C
PSB 7 W 7 W	Poff	2 W	2 W
	РТО	10 W	7 W
PCK 9 W 9 W	PSB	7 W	7 W
	РСК	9 W	9 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2188 kWh	2875 kWh

Water/Water Heat Pump

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	

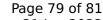
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	3.82 kW
El input	0.66 kW	1.00 kW
СОР	6.00	3.83

Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	282 %	222 %
Prated	7.00 kW	7.00 kW
SCOP	7.25	5.75
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	4.30 kW
COP Tj = -7°C	7.00	5.39
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	7.83	6.21
Pdh Tj = +7°C	1.80 kW	1.80 kW
COP Tj = +7°C	8.14	6.85
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.70	6.64
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21

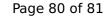




7.00 kW	7.00 kW
5.79	4.21
0.95	0.96
65 °C	65 °C
2 W	2 W
18 W	15 W
10 W	7 W
9 W	9 W
Electricity	Electricity
0.00 kW	0.00 kW
2378 kWh	3005 kWh
	5.79 0.95 65 °C 2 W 18 W 10 W 9 W Electricity 0.00 kW

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	270 %	214 %
Prated	7.00 kW	7.00 kW
	l	





SCOP	6.95	5.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
$COP Tj = -7^{\circ}C$	6.07	4.52
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	7.09	5.62
Pdh Tj = +7°C	2.50 kW	2.50 kW
$COP Tj = +7^{\circ}C$	7.84	6.34
Pdh Tj = 12°C	1.80 kW	1.60 kW
COP Tj = 12°C	7.97	6.57
Pdh Tj = Tbiv	7.00 kW	7.00 kW
COP Tj = Tbiv	5.79	4.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.79	4.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.97
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	18 W	15 W
PSB	10 W	7 W
РСК	9 W	9 W



Page 81 of 81

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2078 kWh	2611 kWh