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Summary of	DAIKIN ALTHERMA 3 R F 8KW (230L) /A	Reg. No.	011-1W0249
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 R F 8KW (230L) /A		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.5 kg		
Certification Date	27.03.2018		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

Model: ERGA08DVA / EHVX08S23D9W(G)

Configure model

Model name	ERGA08DVA / EHVX08S23D9W(G)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08DVA / EHVX08S23D6V(G)

Configure model	
Model name	ERGA08DVA / EHVX08S23D6V(G)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08DVA / EHVH08S23D9W(G)

Configure model	
Model name	ERGA08DVA / EHVH08S23D9W(G)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
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Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
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Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08DVA / EHVH08S23D6V(G)

Configure model	
Model name	ERGA08DVA / EHVH08S23D6V(G)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
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Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.00	1.00
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08EVA / EHVX08S23E9W

Configure model	
Model name	ERGA08EVA / EHVX08S23E9W
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
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EN 14825

	Low temperature	Medium temperature
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08EVA / EHVX08S23E6V(G)

Configure model	
Model name	ERGA08EVA / EHVX08S23E6V(G)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
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EN 14825

	Low temperature	Medium temperature
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
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Cdh Tj = +7 °C	1.00	1.00

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WTOL	35 °C	55 °C
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PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
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EN 14825

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	+7°C/+12°C
P _{designc}	5.40 kW
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P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08EVA / EHVH08S23E9W

Configure model	
Model name	ERGA08EVA / EHVH08S23E9W
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
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WTOL	35 °C	55 °C
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08EVA / EHVH08S23E6V

Configure model	
Model name	ERGA08EVA / EHVH08S23E6V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
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EN 14825

	Low temperature	Medium temperature
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SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.00
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COP Tj = +2°C	4.35	3.18
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Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

Model: ERGA08EVA / EHVH08SU23E6V

Configure model	
Model name	ERGA08EVA / EHVH08SU23E6V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.00	1.00

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
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WTOL	35 °C	55 °C
Poff	10 W	10 W
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l