

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	<b>3,7</b>	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	<b>25</b>	50	75	100	125	

Heat source



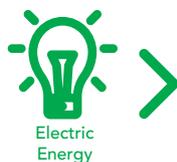
Heat source

Heat transfer fluid	Agua
Inlet temperature	25 °C
Outlet temperature	20 °C
Volumetric flow rate	59 m <sup>3</sup> /h
Thermal power	344 kWt
Pressure drop	100 kPa



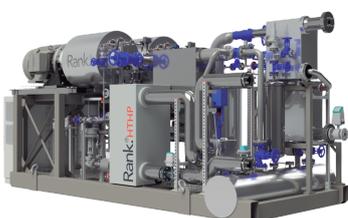
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	55 °C
Outlet temperature	150 °C
Volumetric flow rate	5 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

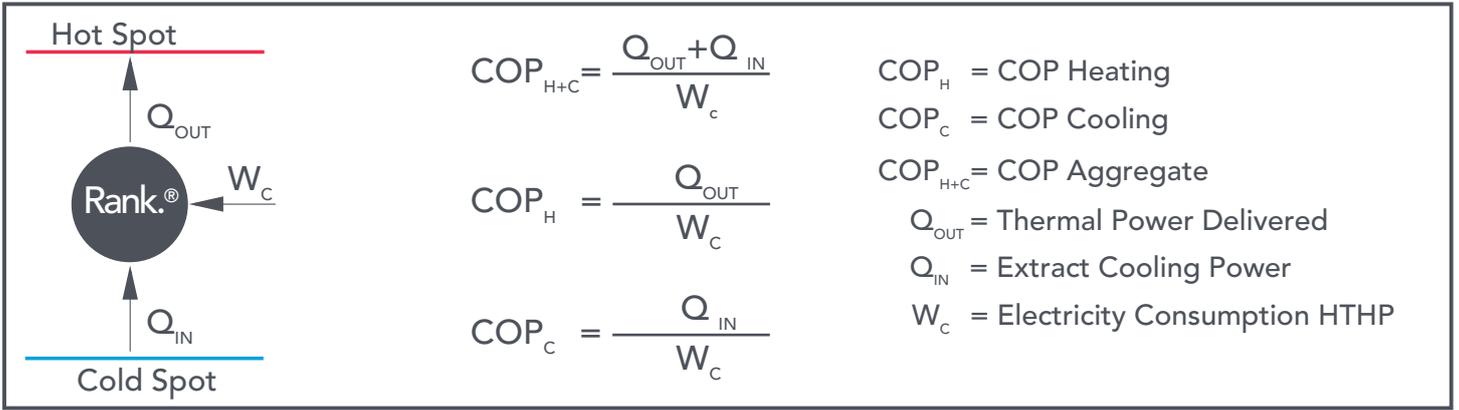


Electricity

Consumption	232 kWe
COP_H+C	3,6
COP_H	2,2
COP_C	1,5
Voltage	3x400 V

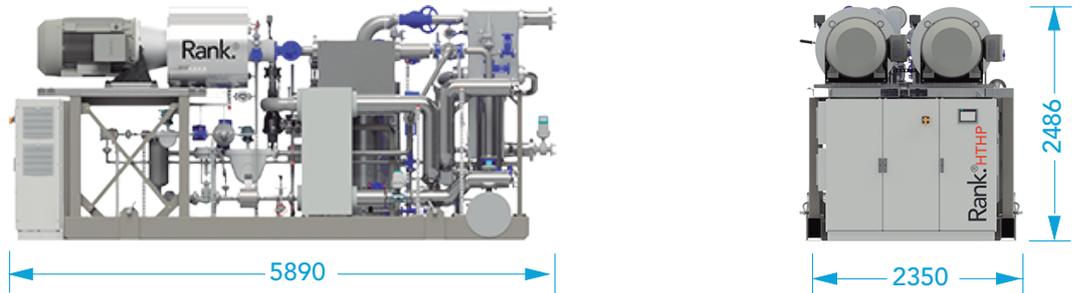


## Calculation COP's

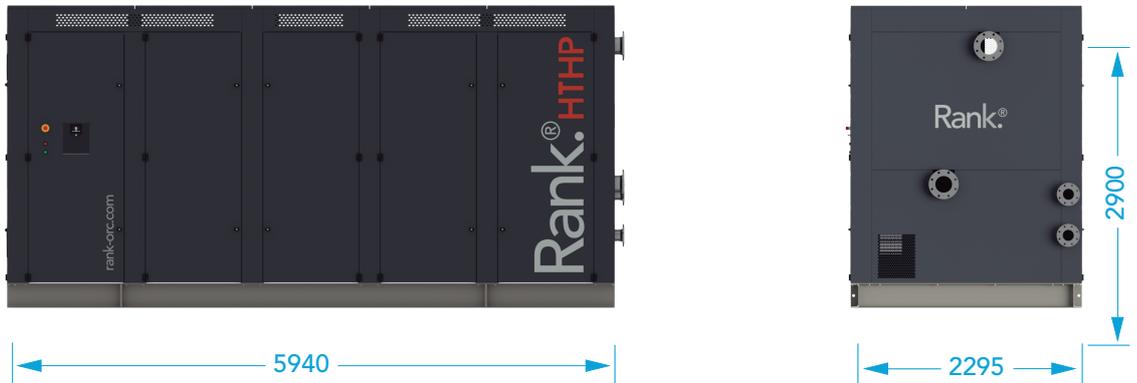


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



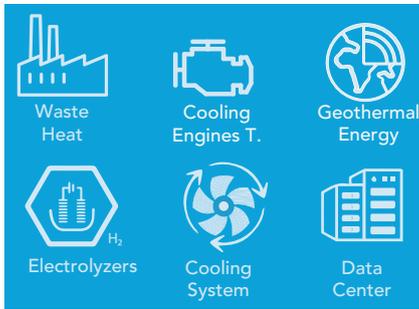
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



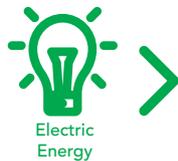
Heat source

Heat transfer fluid	Agua
Inlet temperature	50 °C
Outlet temperature	45 °C
Volumetric flow rate	66 m³/h
Thermal power	377 kWt
Pressure drop	100 kPa



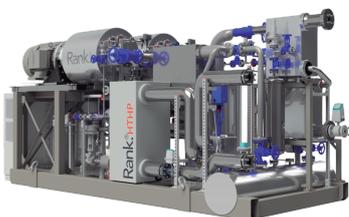
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	55 °C
Outlet temperature	150 °C
Volumetric flow rate	5 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

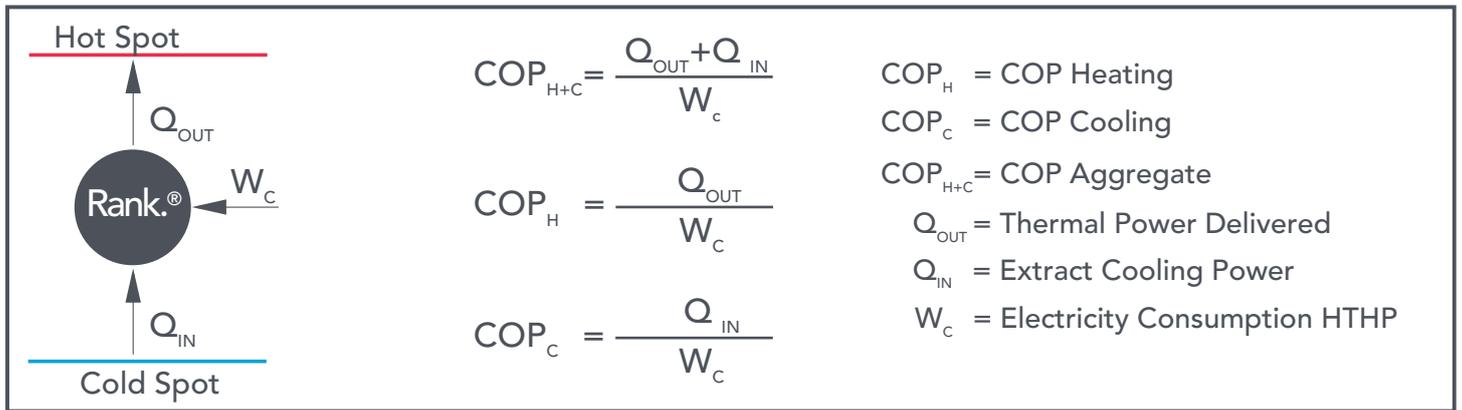


Electricity

Consumption	179 kWe
COP_H+C	4,9
COP_H	2,8
COP_C	2,1
Voltage	3x400 V

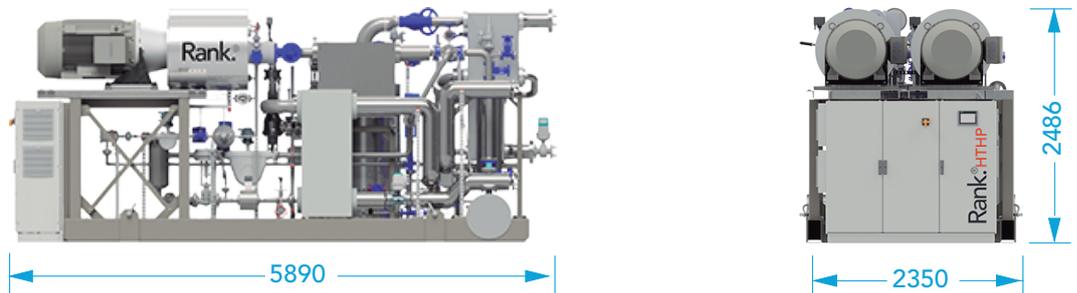


## Calculation COP's

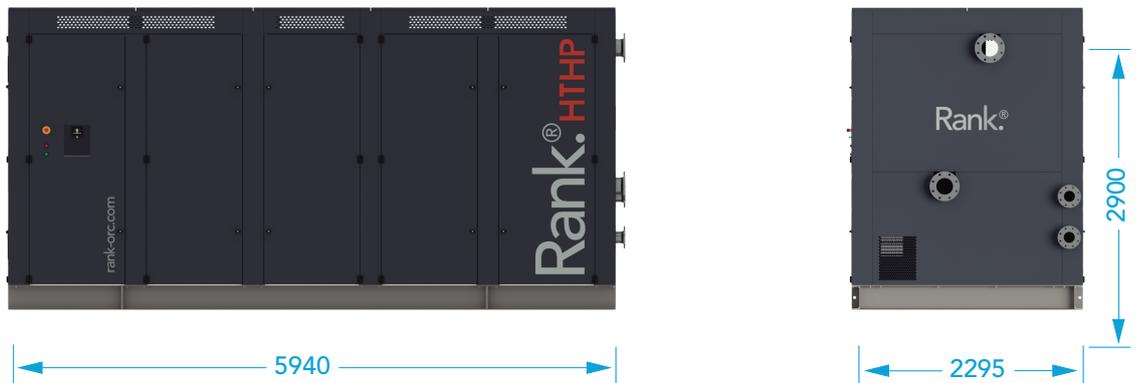


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



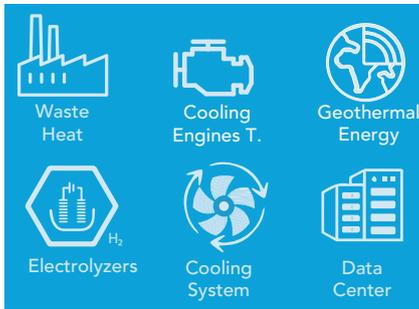
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- Low voltage Directive
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- EN/ISO 3744:2010
- UNE EN 10216
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- 2014/68/UE
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- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



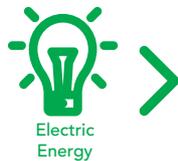
Heat source

Heat transfer fluid	Agua
Inlet temperature	75 °C
Outlet temperature	70 °C
Volumetric flow rate	69 m³/h
Thermal power	395 kWt
Pressure drop	100 kPa



Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	100 °C
Outlet temperature	150 °C
Volumetric flow rate	9 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

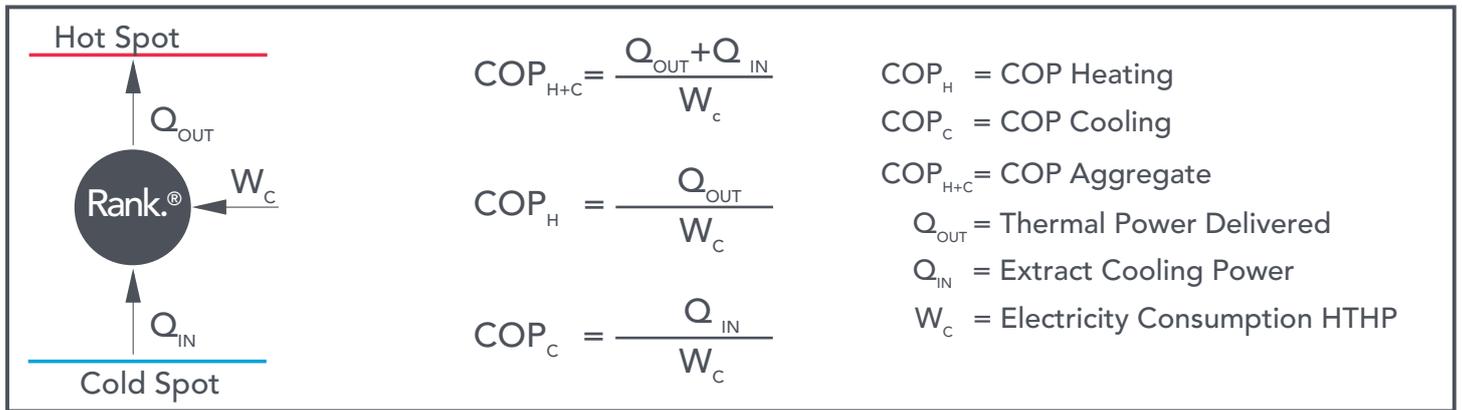


Electricity

Consumption	150 kWe
COP_H+C	6,0
COP_H	3,3
COP_C	2,6
Voltage	3x400 V

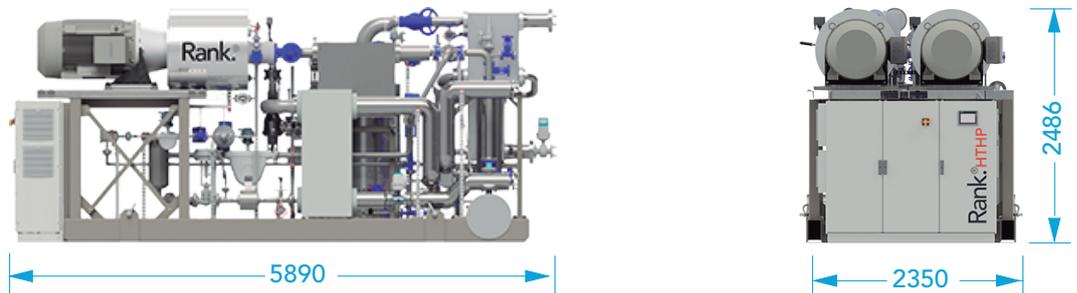


## Calculation COP's

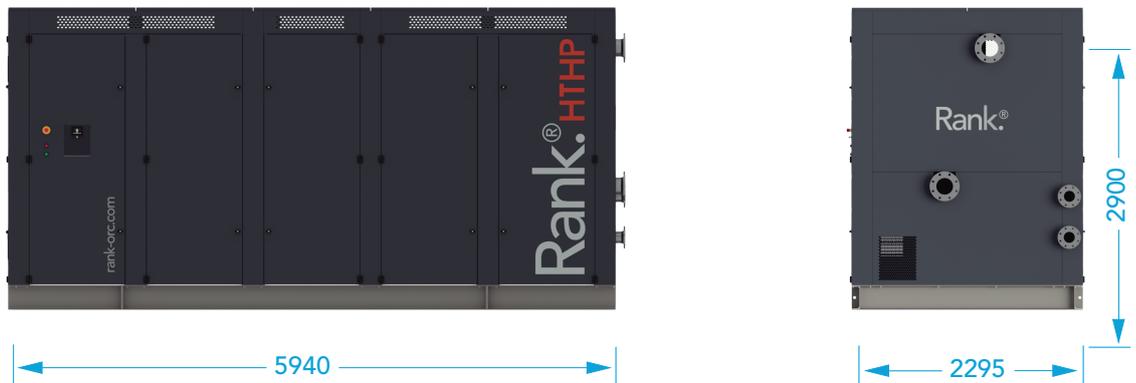


## Dimensiones

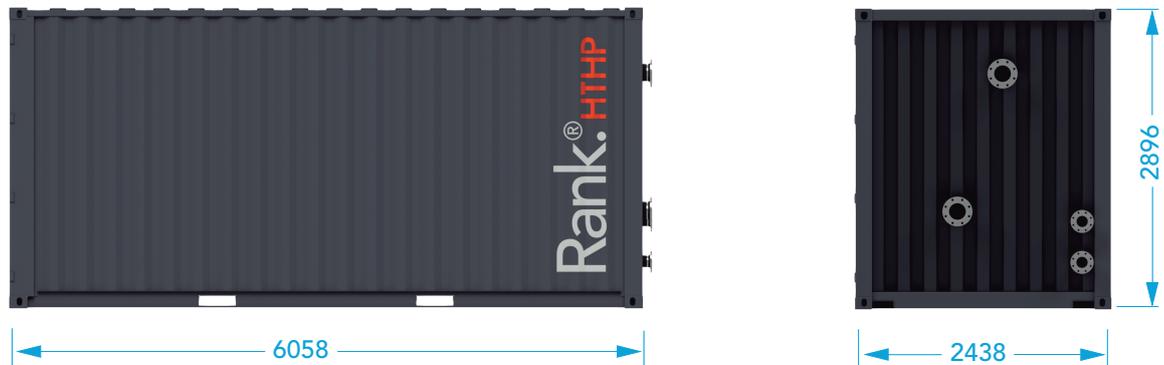
### Basic Option



### Wrap-around Option



### Container Option



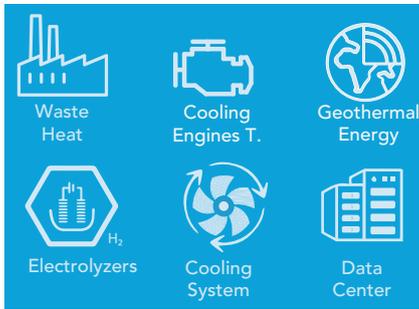
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- Low voltage Directive
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- EN/ISO 3744:2010
- UNE EN 10216
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- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
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- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)					Water-Water COP H+C
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



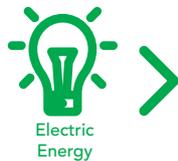
Heat source

Heat transfer fluid	Agua
Inlet temperature	100 °C
Outlet temperature	95 °C
Volumetric flow rate	77 m <sup>3</sup> /h
Thermal power	432 kWt
Pressure drop	100 kPa



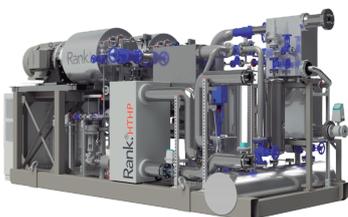
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	95 °C
Outlet temperature	150 °C
Volumetric flow rate	8 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

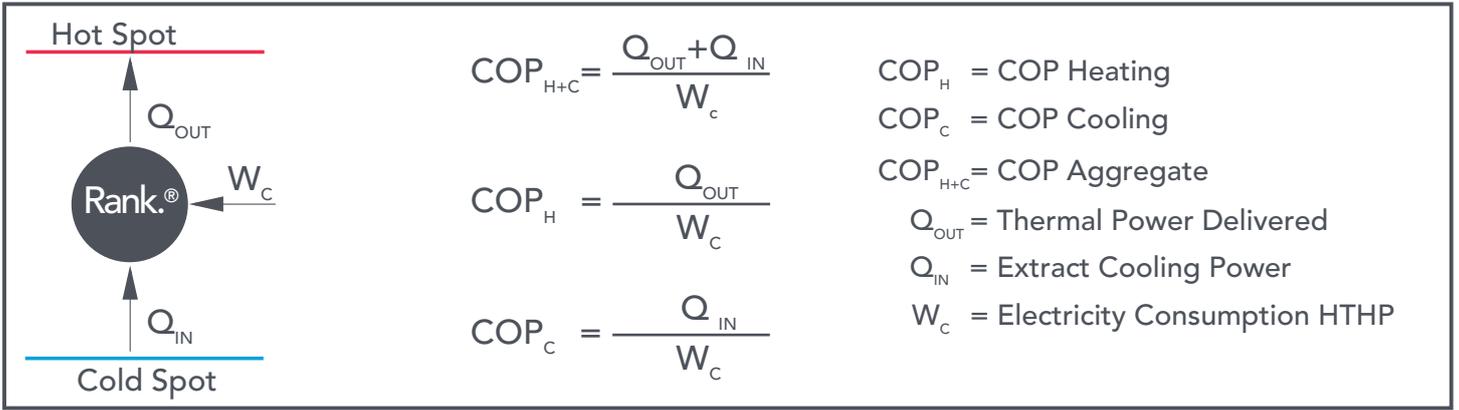


Electricity

Consumption	97 kW <sub>e</sub>
COP_H+C	9,6
COP_H	5,1
COP_C	4,4
Voltage	3x400 V

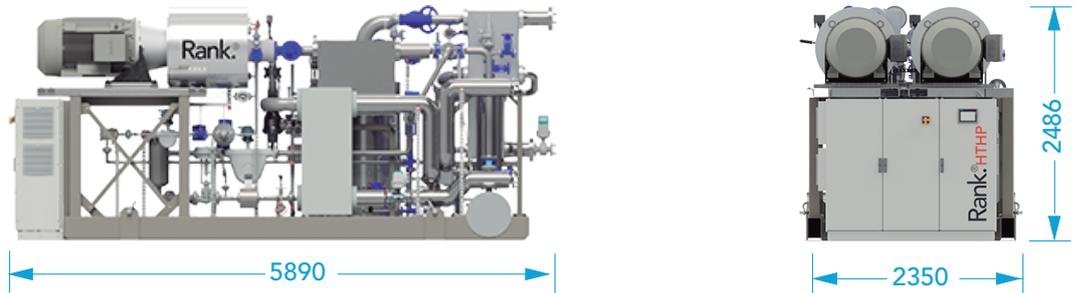


## Calculation COP's

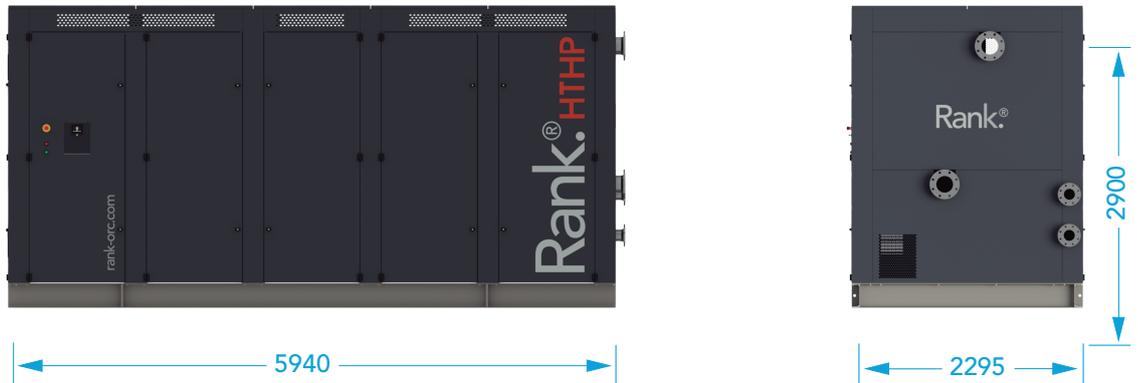


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



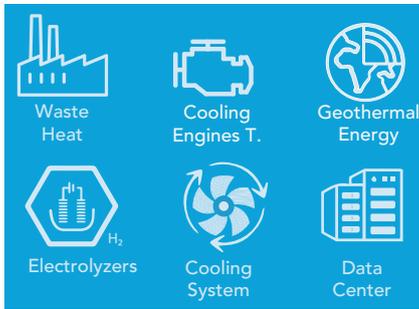
## Compliance with regulations and standards

- Low voltage Directive
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- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
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- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)					Water-Water COP H+C
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



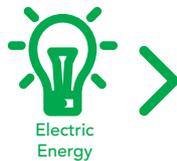
Heat source

Heat transfer fluid	Agua
Inlet temperature	125 °C
Outlet temperature	115 °C
Volumetric flow rate	40 m <sup>3</sup> /h
Thermal power	449 kWt
Pressure drop	100 kPa



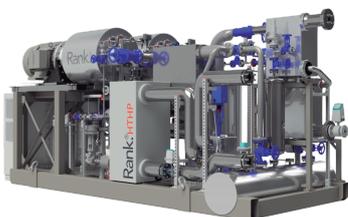
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	130 °C
Outlet temperature	150 °C
Volumetric flow rate	23 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

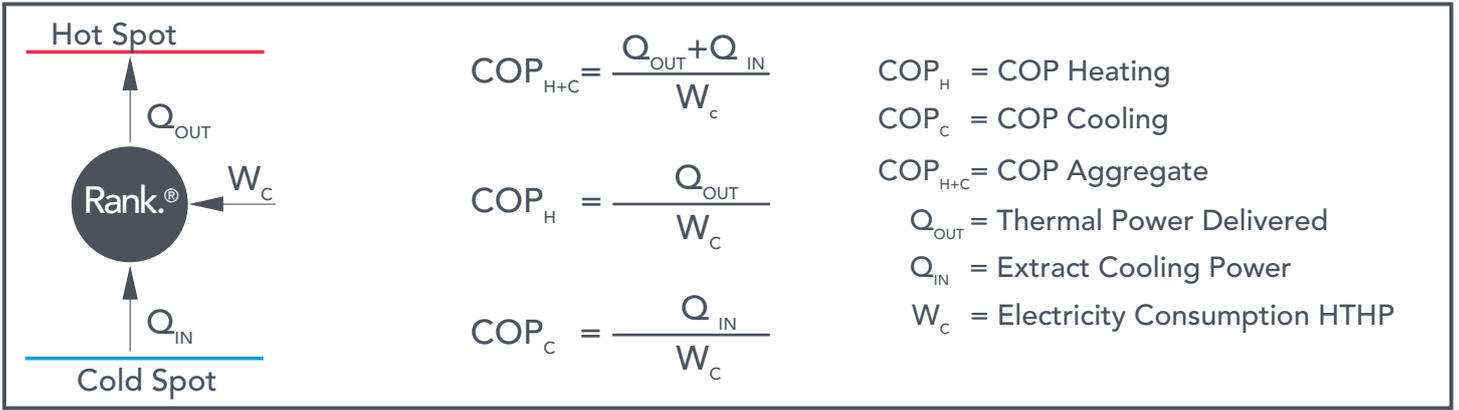


Electricity

Consumption	74 kWe
COP_H+C	12,8
COP_H	6,8
COP_C	6,1
Voltage	3x400 V

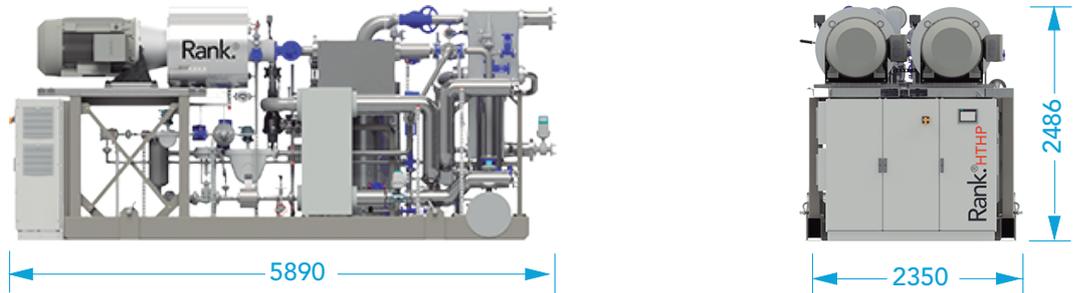


## Calculation COP's

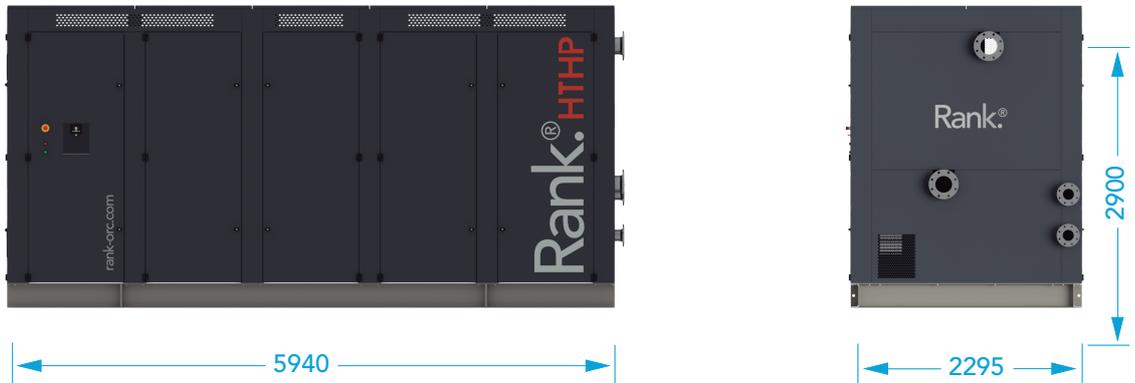


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



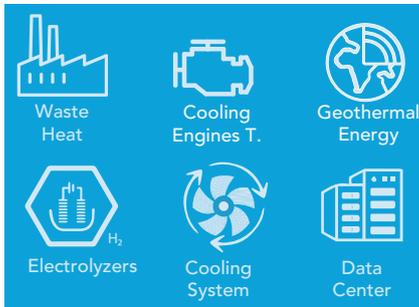
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
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- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
<b>135</b>	<b>3,9</b>	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	<b>25</b>	50	75	100	125	

Heat source



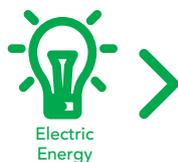
> Heat source

Heat transfer fluid	Agua
Inlet temperature	25 °C
Outlet temperature	20 °C
Volumetric flow rate	61 m³/h
Thermal power	352 kWt
Pressure drop	100 kPa



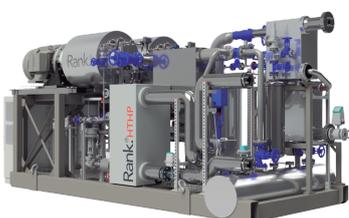
< Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	55 °C
Outlet temperature	135 °C
Volumetric flow rate	6 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

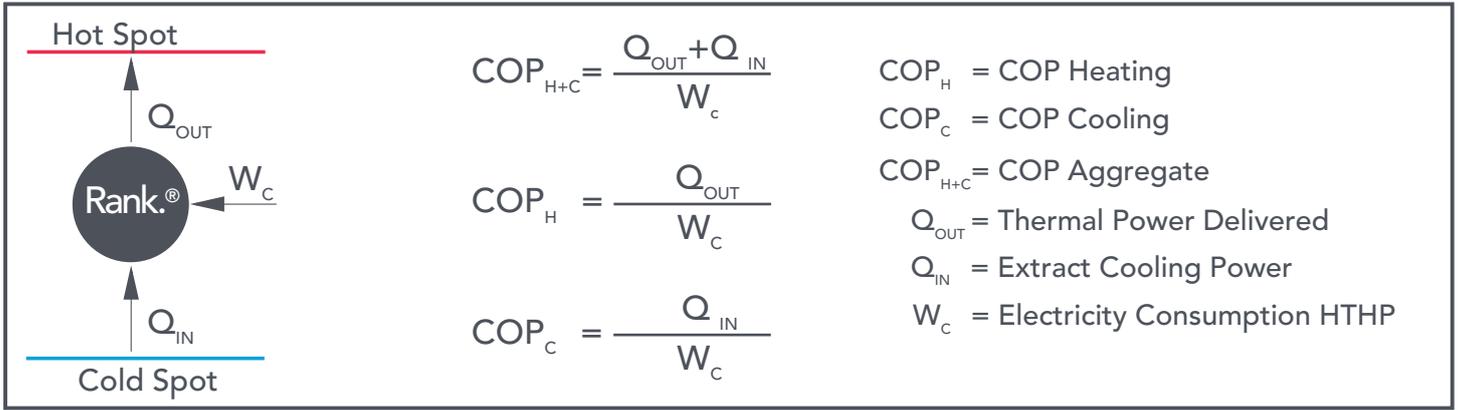


> Electricity

Consumption	217 kWe
COP_H+C	3,9
COP_H	2,3
COP_C	1,6
Voltage	3x400 V

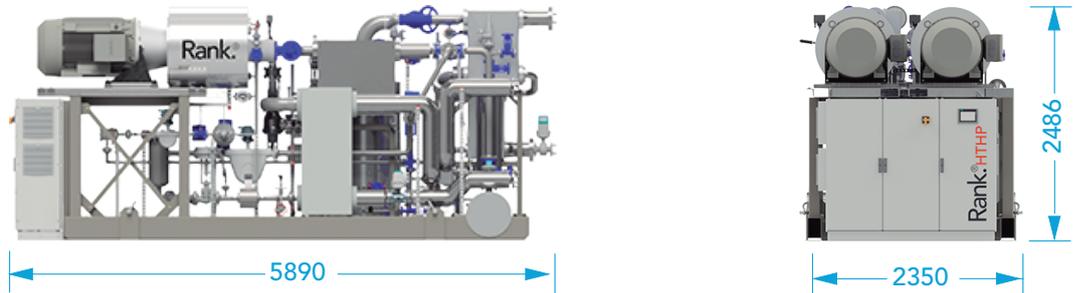


## Calculation COP's

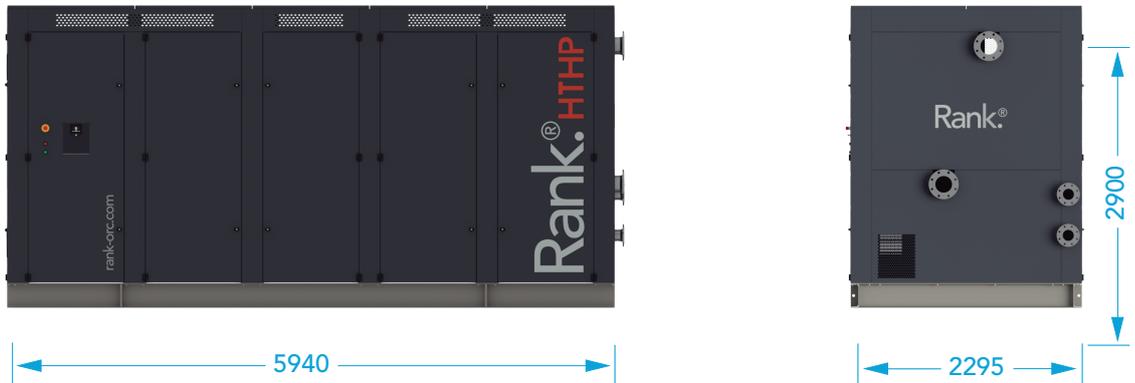


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



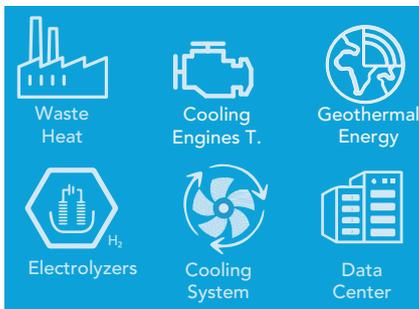
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- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
<b>135</b>	3,9	<b>5,5</b>	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	<b>50</b>	75	100	125	

Heat source



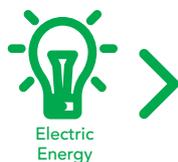
Heat source

Heat transfer fluid	Agua
Inlet temperature	50 °C
Outlet temperature	45 °C
Volumetric flow rate	67 m³/h
Thermal power	388 kWt
Pressure drop	100 kPa



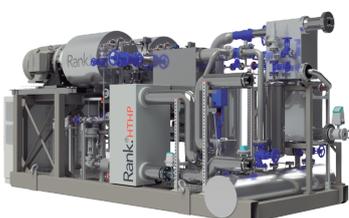
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	55 °C
Outlet temperature	135 °C
Volumetric flow rate	6 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

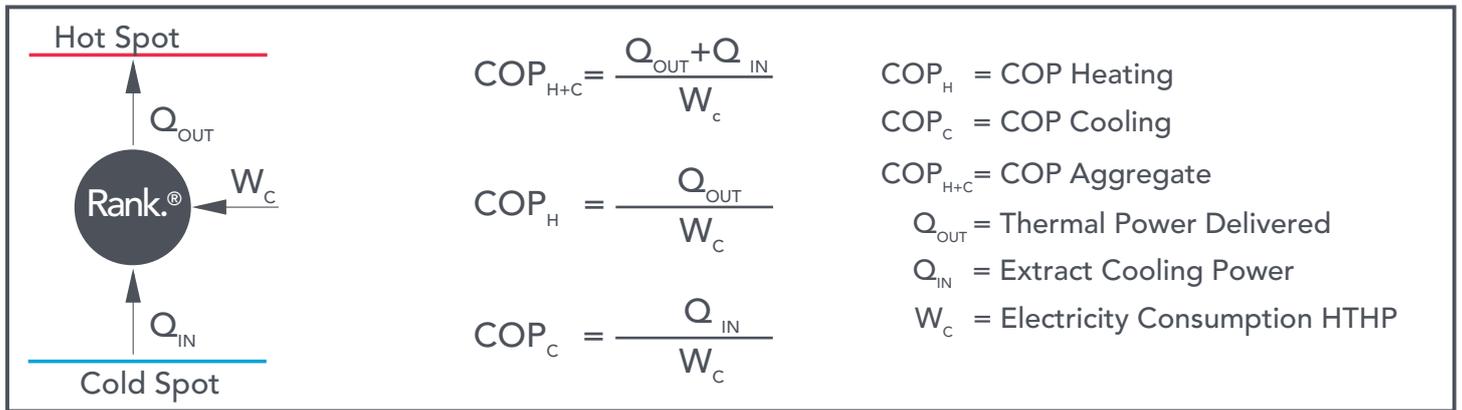


Electricity

Consumption	161 kWe
COP_H+C	5,5
COP_H	3,1
COP_C	2,4
Voltage	3x400 V

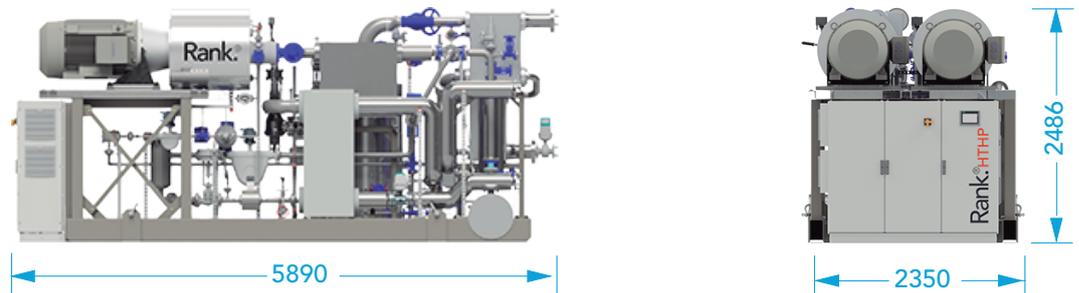


## Calculation COP's

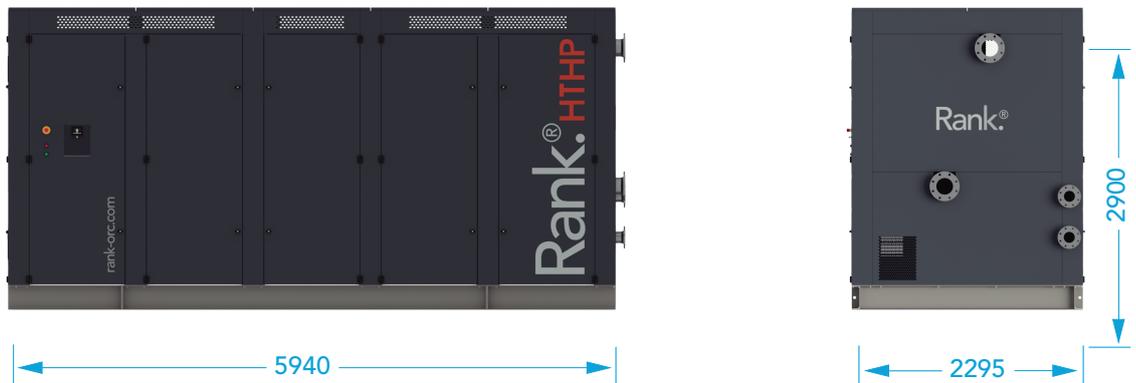


## Dimensiones

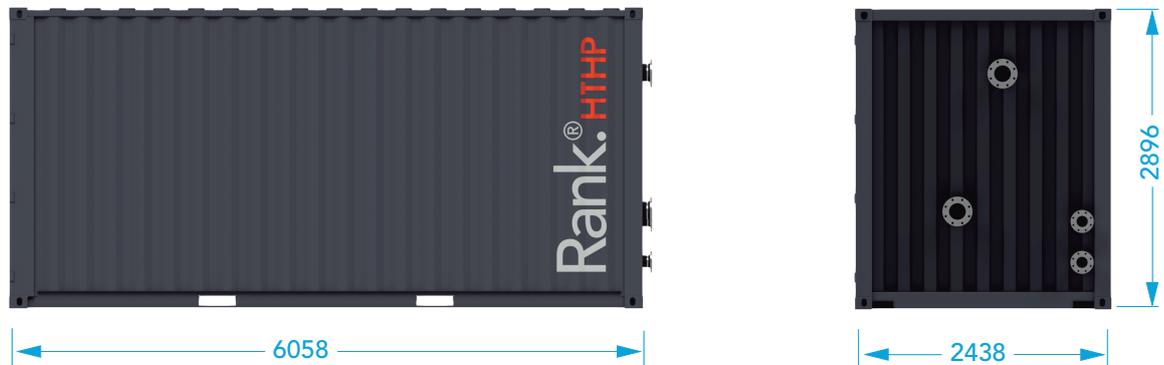
### Basic Option



### Wrap-around Option



### Container Option



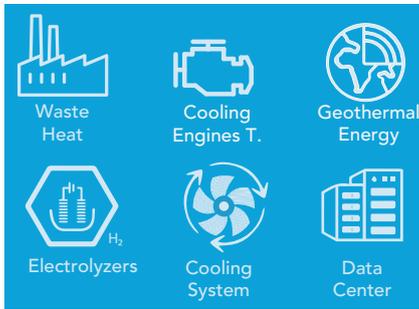
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- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
<b>135</b>	3,9	5,5	<b>6,8</b>	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	<b>75</b>	100	125	

Heat source



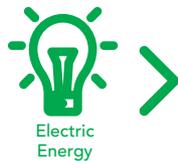
Heat source

Heat transfer fluid	Agua
Inlet temperature	75 °C
Outlet temperature	70 °C
Volumetric flow rate	72 m³/h
Thermal power	410 kWt
Pressure drop	100 kPa



Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	95 °C
Outlet temperature	135 °C
Volumetric flow rate	11 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

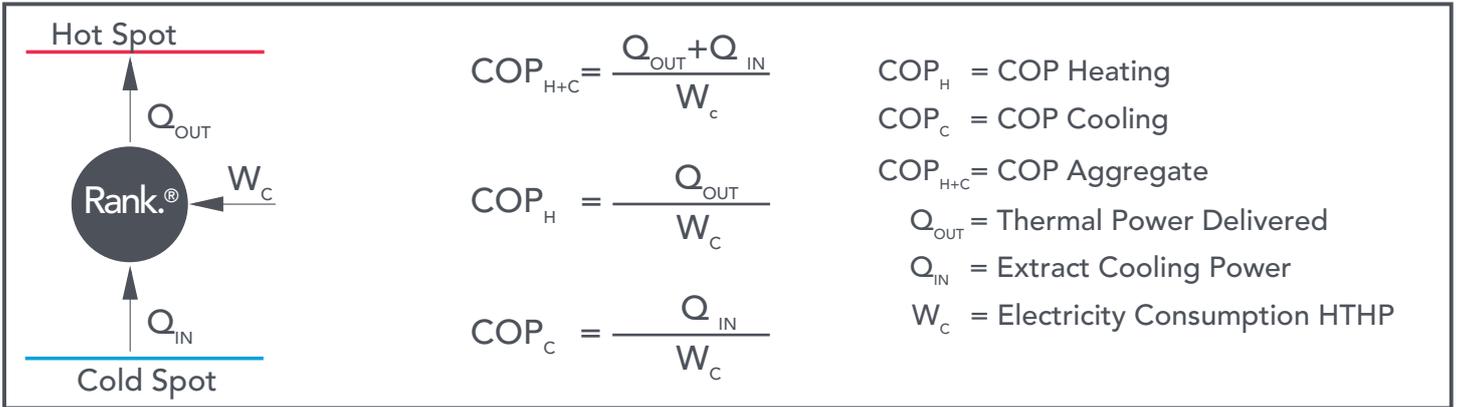


Electricity

Consumption	134 kWe
COP_H+C	6,8
COP_H	3,7
COP_C	3,1
Voltage	3x400 V

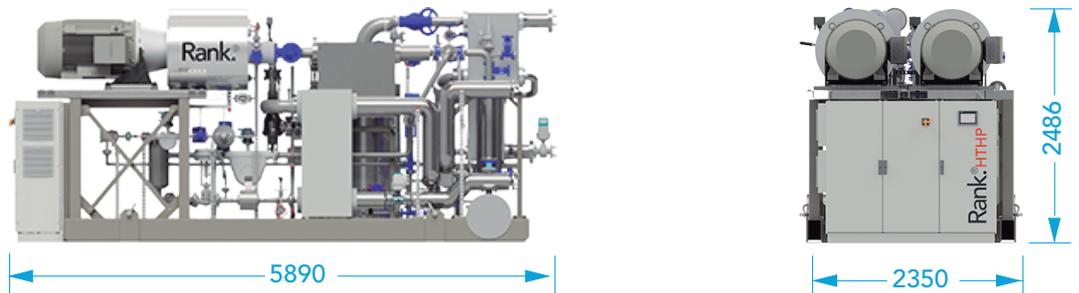


## Calculation COP's

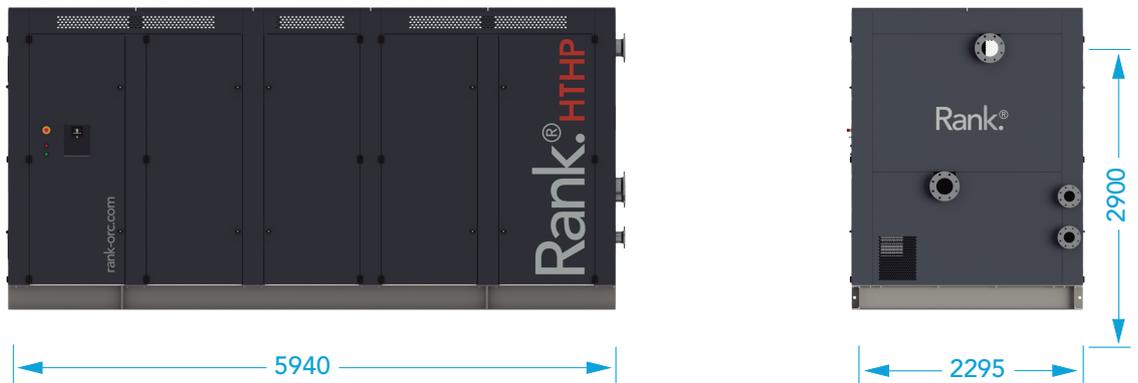


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



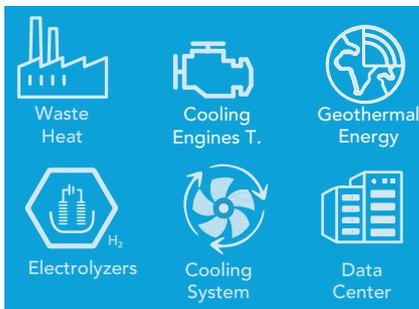
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
<b>135</b>	3,9	5,5	6,8	<b>12,0</b>	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	<b>100</b>	125	

Heat source



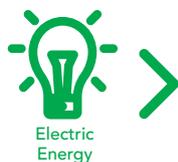
Heat source

Heat transfer fluid	Agua
Inlet temperature	100 °C
Outlet temperature	95 °C
Volumetric flow rate	79 m <sup>3</sup> /h
Thermal power	445 kWt
Pressure drop	100 kPa



Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	100 °C
Outlet temperature	135 °C
Volumetric flow rate	13 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

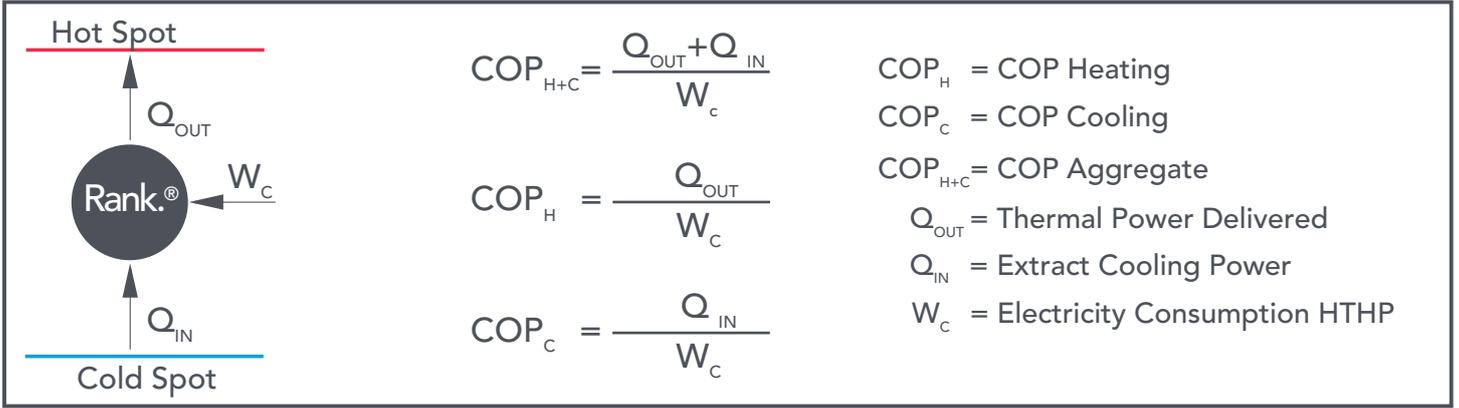


Electricity

Consumption	79 kWe
COP_H+C	12,0
COP_H	6,3
COP_C	5,6
Voltage	3x400 V

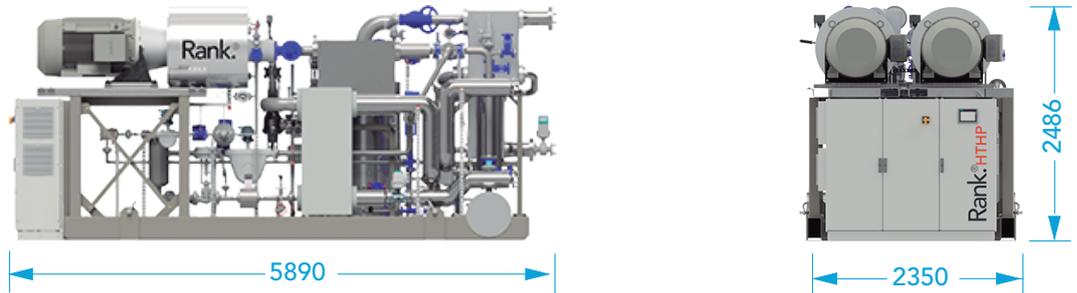


## Calculation COP's

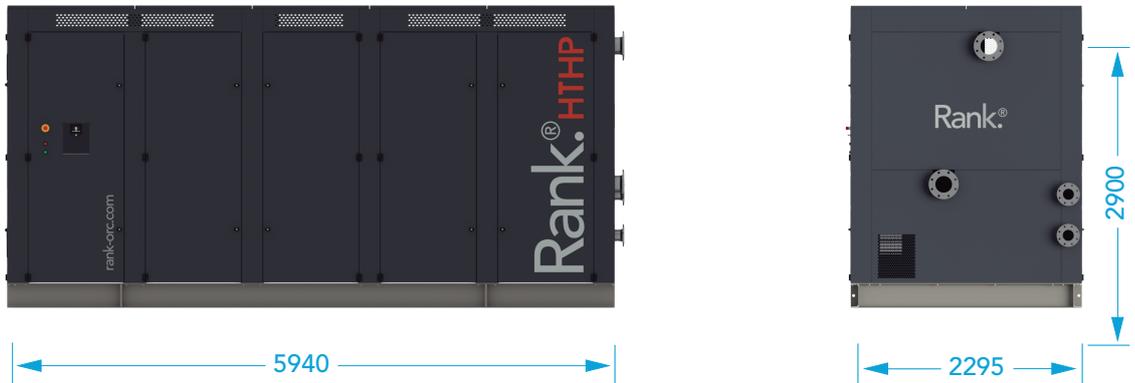


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



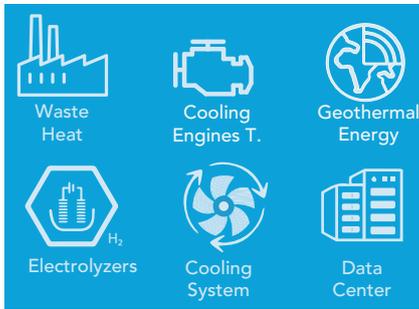
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
<b>135</b>	3,9	5,5	6,8	12,0	<b>13,8</b>	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



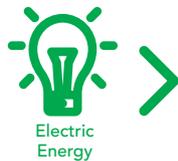
Heat source

Heat transfer fluid	Agua
Inlet temperature	125 °C
Outlet temperature	105 °C
Volumetric flow rate	20 m³/h
Thermal power	452 kWt
Pressure drop	100 kPa



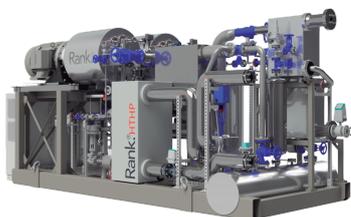
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	125 °C
Outlet temperature	135 °C
Volumetric flow rate	45 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

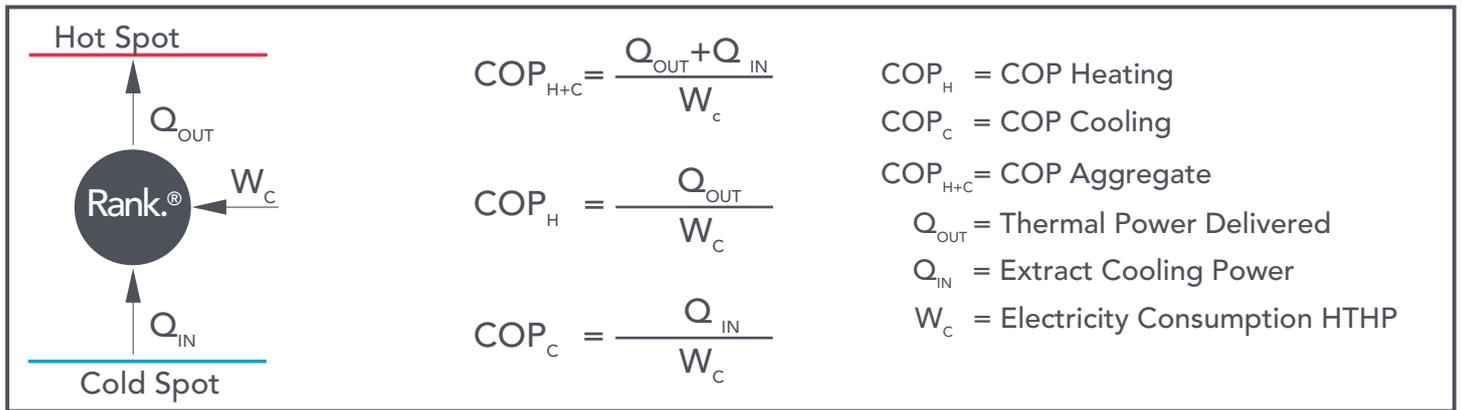


Electricity

Consumption	69 kWe
COP_H+C	13,8
COP_H	7,2
COP_C	6,5
Voltage	3x400 V

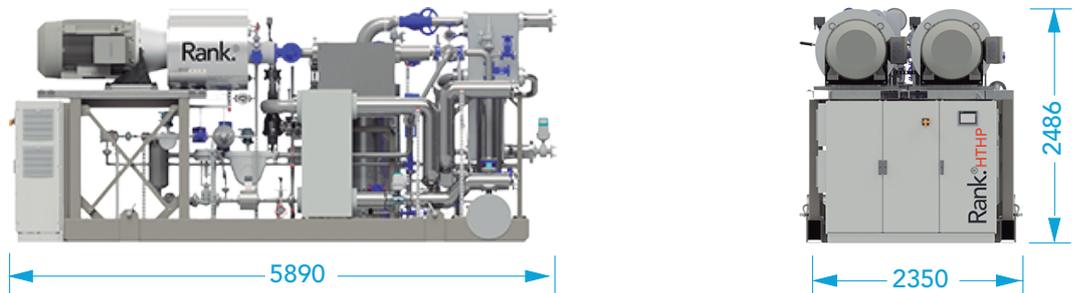


## Calculation COP's

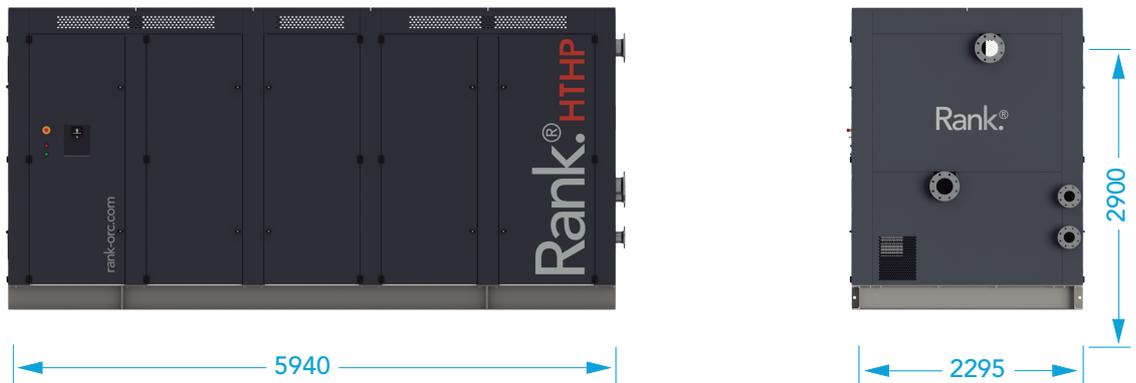


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



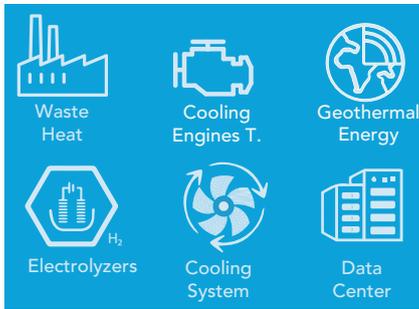
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
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- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
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- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
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- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
<b>120</b>	<b>4,3</b>	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	<b>25</b>	50	75	100	125	

Heat source



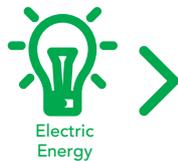
Heat source

Heat transfer fluid	Agua
Inlet temperature	25 °C
Outlet temperature	20 °C
Volumetric flow rate	62 m <sup>3</sup> /h
Thermal power	362 kWt
Pressure drop	100 kPa



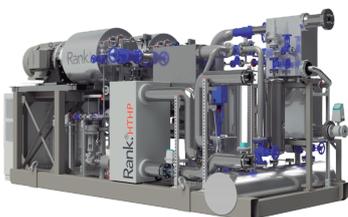
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	55 °C
Outlet temperature	120 °C
Volumetric flow rate	7 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

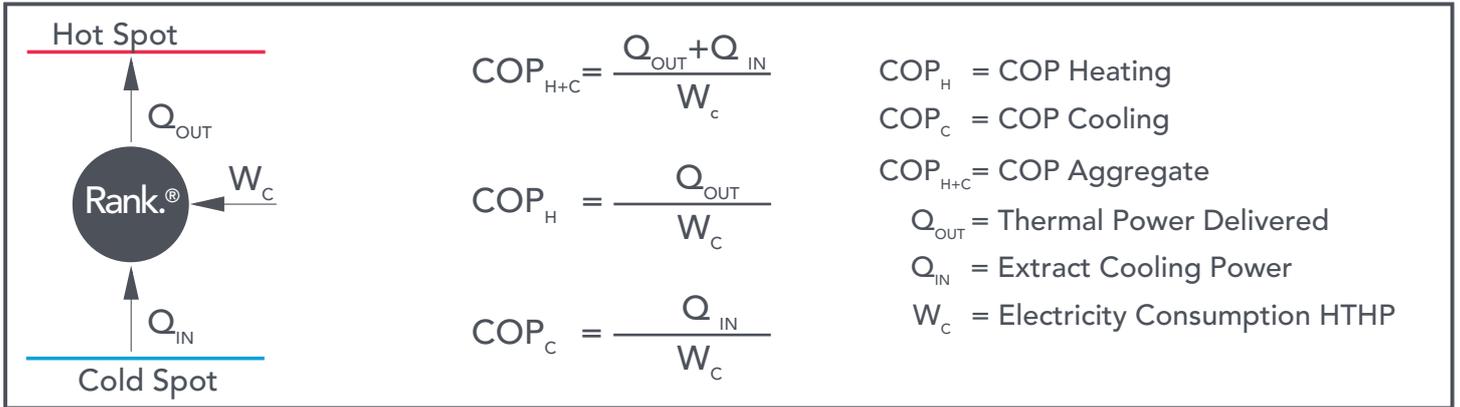


Electricity

Consumption	200 kWe
COP_H+C	4,3
COP_H	2,5
COP_C	1,8
Voltage	3x400 V

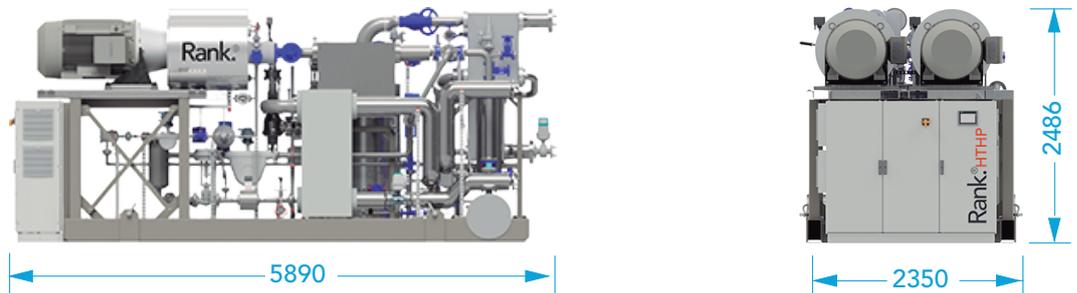


## Calculation COP's

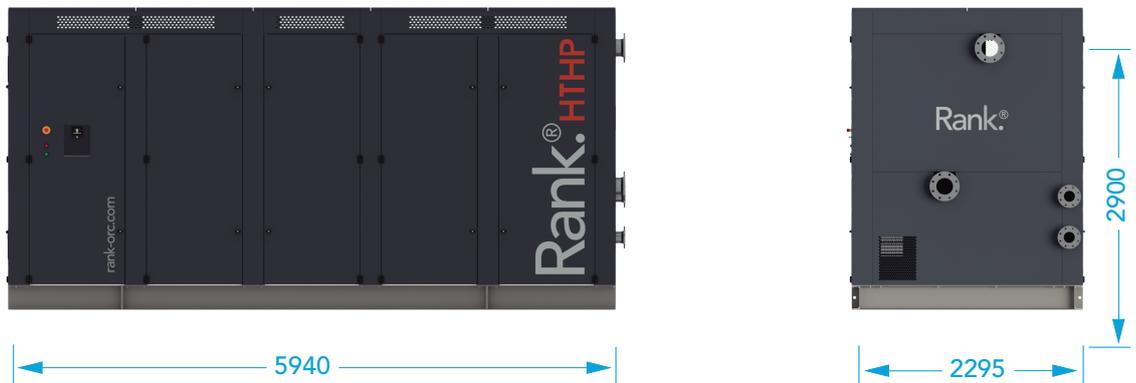


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



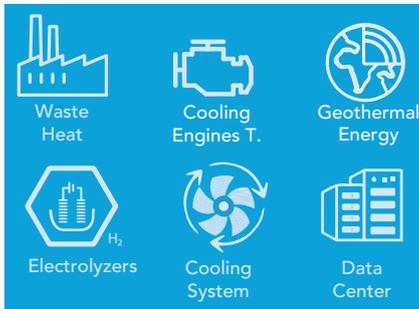
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
<b>120</b>	4,3	<b>6,4</b>	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	<b>50</b>	75	100	125	

Heat source



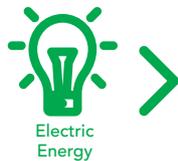
> Heat source

Heat transfer fluid	Agua
Inlet temperature	50 °C
Outlet temperature	45 °C
Volumetric flow rate	70 m³/h
Thermal power	400 kWt
Pressure drop	100 kPa



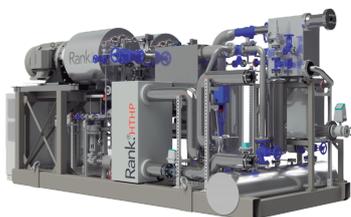
< Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	55 °C
Outlet temperature	120 °C
Volumetric flow rate	7 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

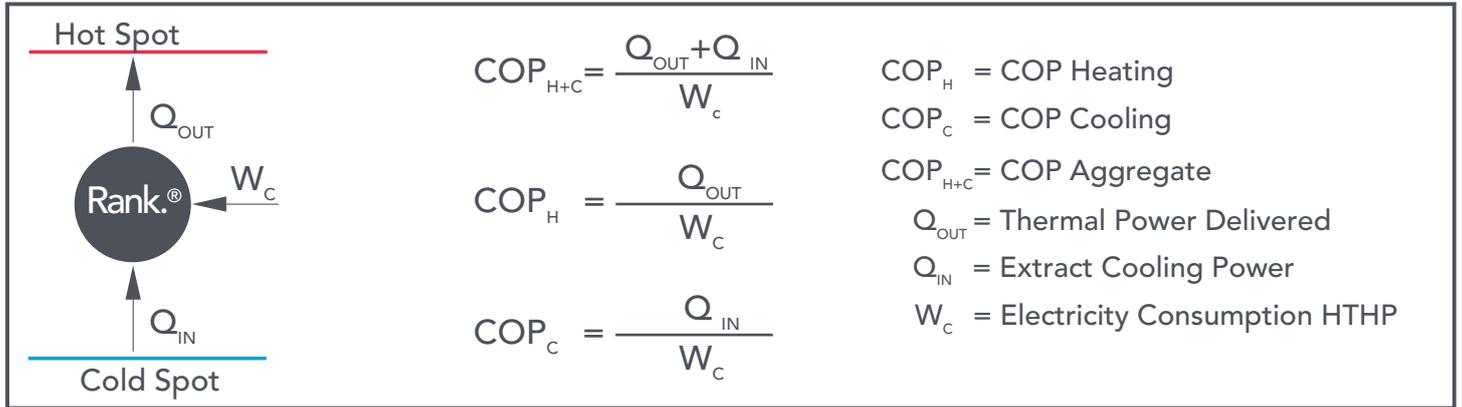


> Electricity

Consumption	141 kWe
COP_H+C	6,4
COP_H	3,5
COP_C	2,8
Voltage	3x400 V

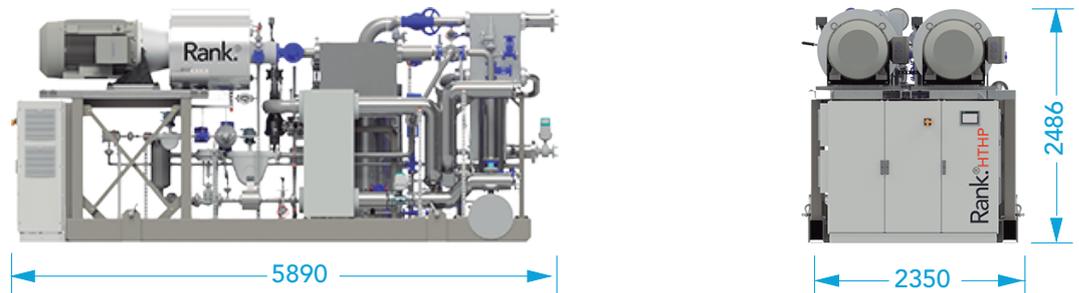


## Calculation COP's

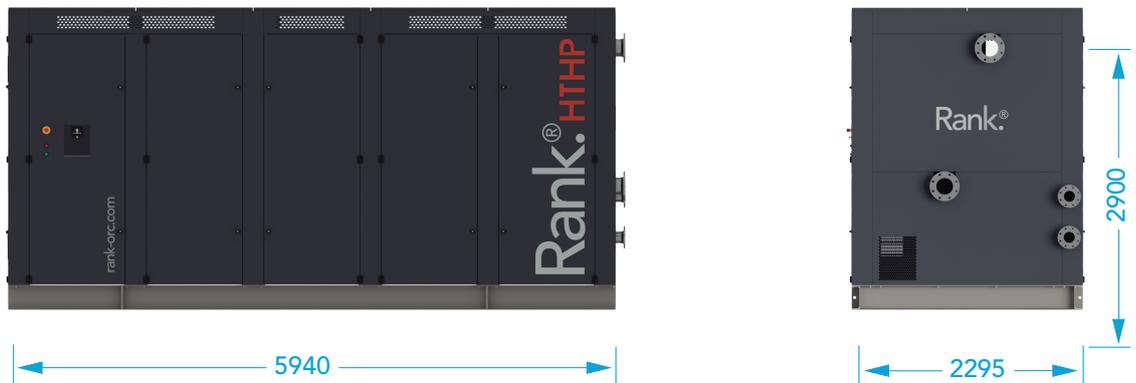


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



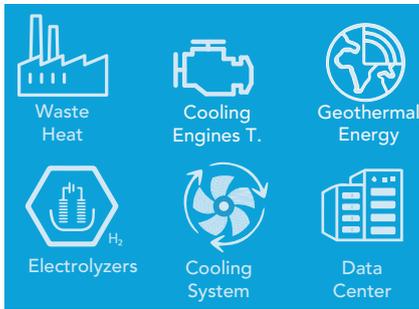
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
<b>120</b>	4,3	6,4	<b>9,2</b>	14,8	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	<b>75</b>	100	125	

Heat source



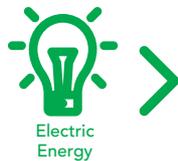
Heat source

Heat transfer fluid	Agua
Inlet temperature	75 °C
Outlet temperature	70 °C
Volumetric flow rate	76 m³/h
Thermal power	429 kWt
Pressure drop	100 kPa



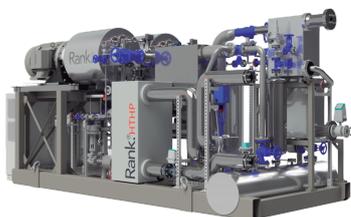
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	80 °C
Outlet temperature	120 °C
Volumetric flow rate	11 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

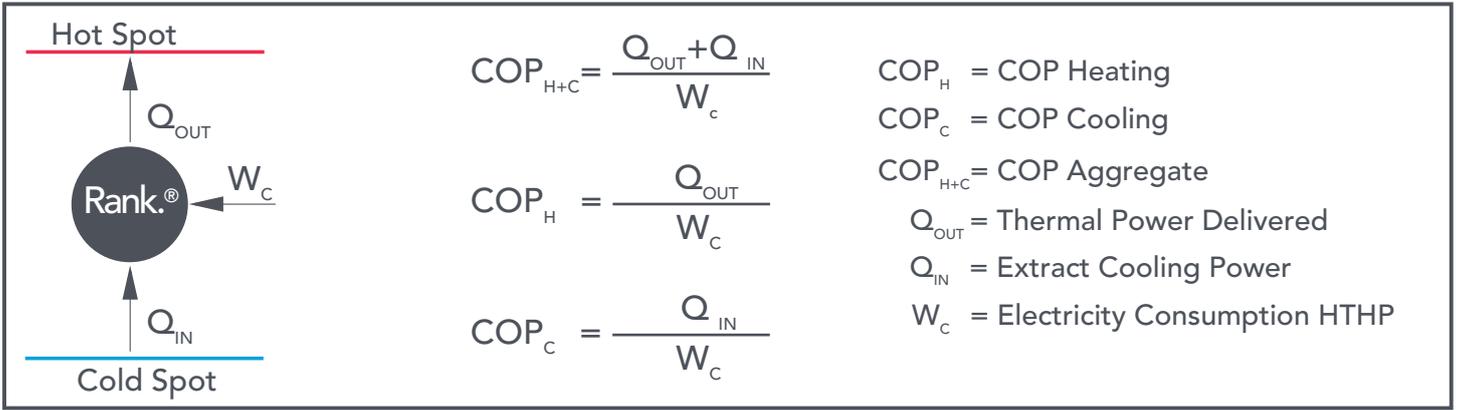


Electricity

Consumption	101 kWe
COP_H+C	9,2
COP_H	5,0
COP_C	4,3
Voltage	3x400 V

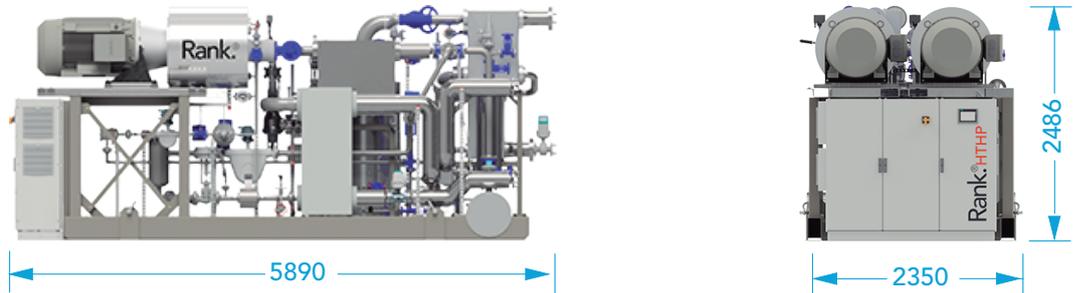


## Calculation COP's

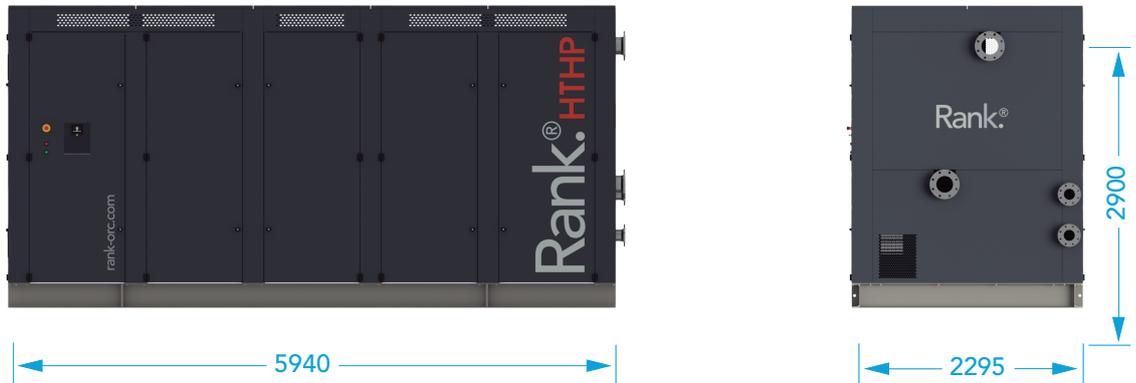


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



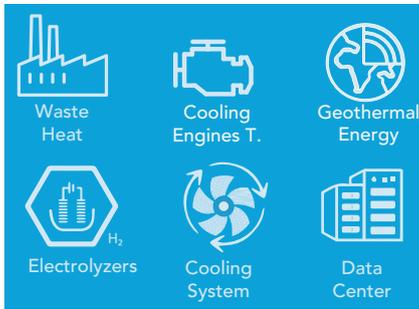
## Compliance with regulations and standards

- Low voltage Directive
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- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
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- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
<b>120</b>	4,3	6,4	9,2	<b>14,8</b>	-	
105	5,1	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	<b>100</b>	125	

Heat source



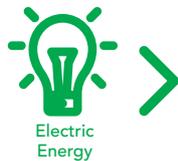
Heat source

Heat transfer fluid	Agua
Inlet temperature	100 °C
Outlet temperature	90 °C
Volumetric flow rate	41 m <sup>3</sup> /h
Thermal power	456 kWt
Pressure drop	100 kPa



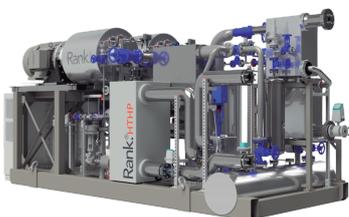
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	90 °C
Outlet temperature	120 °C
Volumetric flow rate	15 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

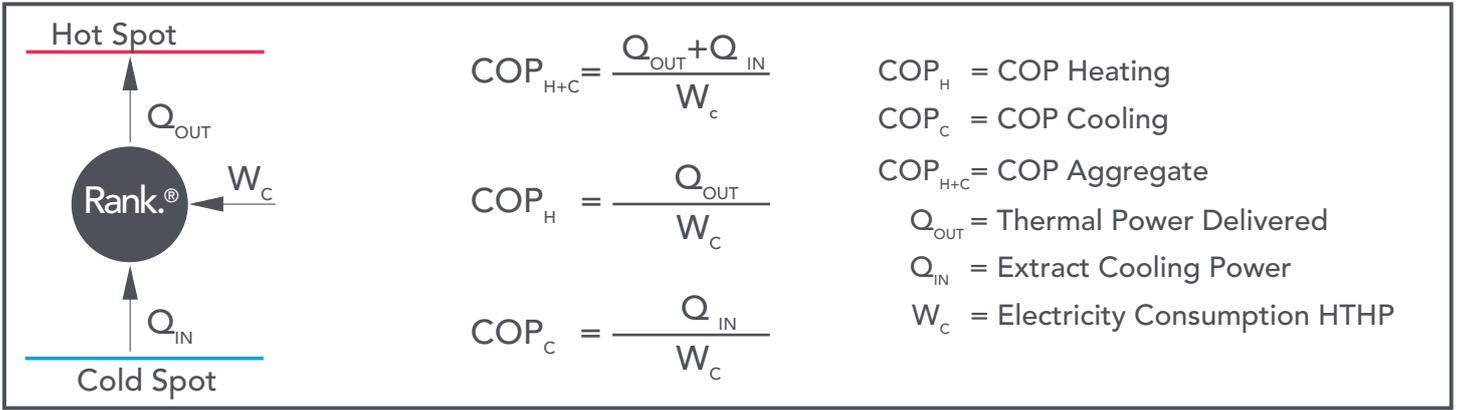


Electricity

Consumption	65 kWe
COP_H+C	14,8
COP_H	7,7
COP_C	7,1
Voltage	3x400 V

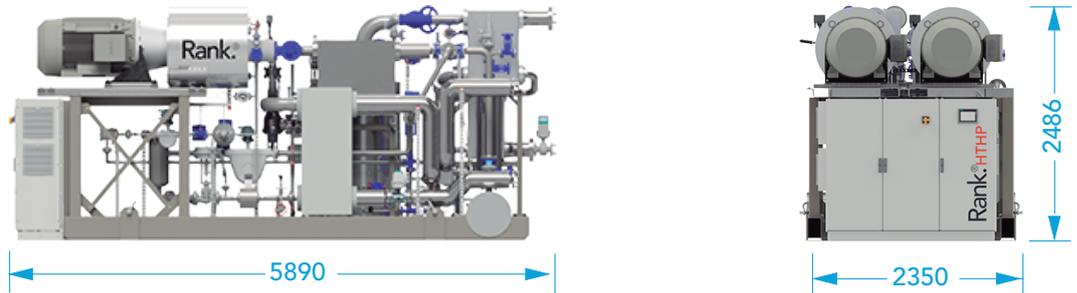


## Calculation COP's

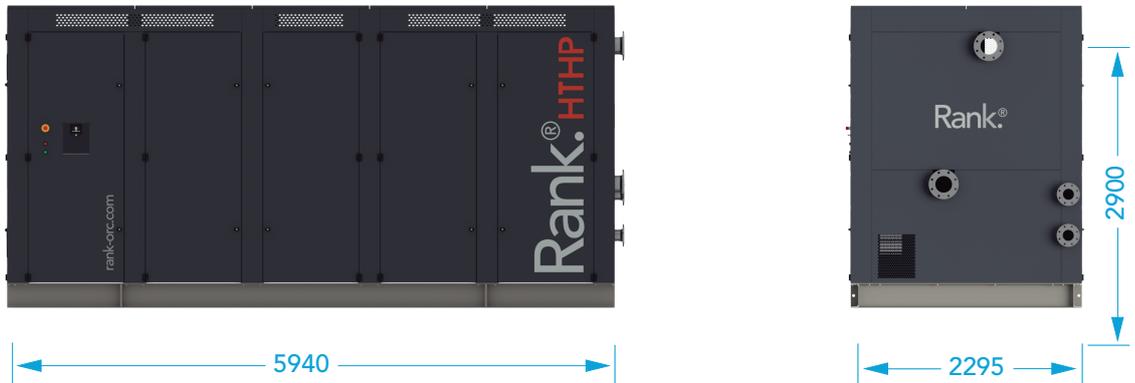


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



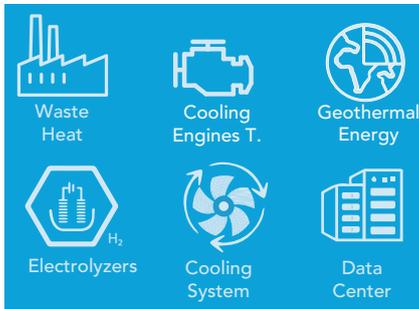
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- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
<b>105</b>	<b>5,1</b>	7,4	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



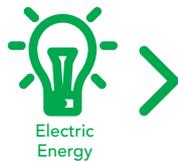
> Heat source

Heat transfer fluid	Agua
Inlet temperature	25 °C
Outlet temperature	20 °C
Volumetric flow rate	65 m³/h
Thermal power	379 kWt
Pressure drop	100 kPa



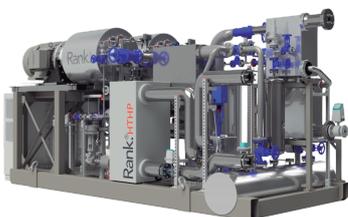
< Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	45 °C
Outlet temperature	105 °C
Volumetric flow rate	7 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

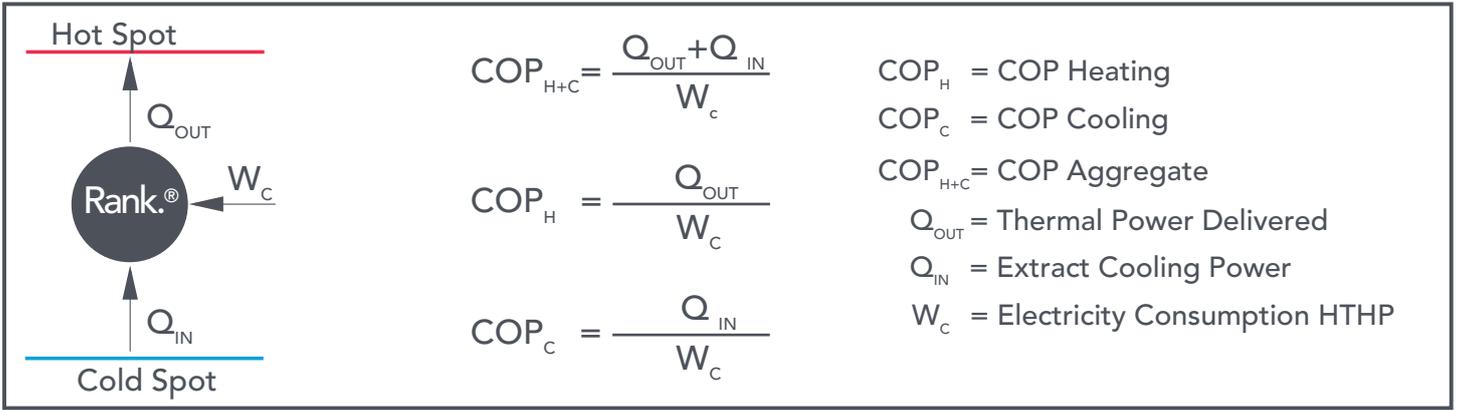


> Electricity

Consumption	251 kWe
COP_H+C	3,5
COP_H	2,0
COP_C	1,5
Voltage	3x400 V

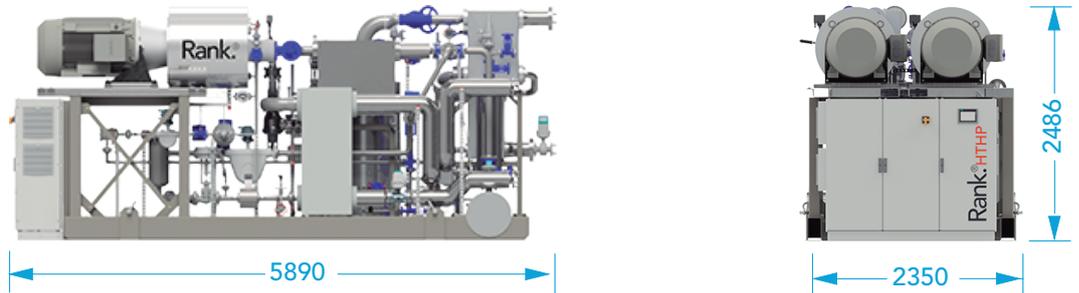


## Calculation COP's

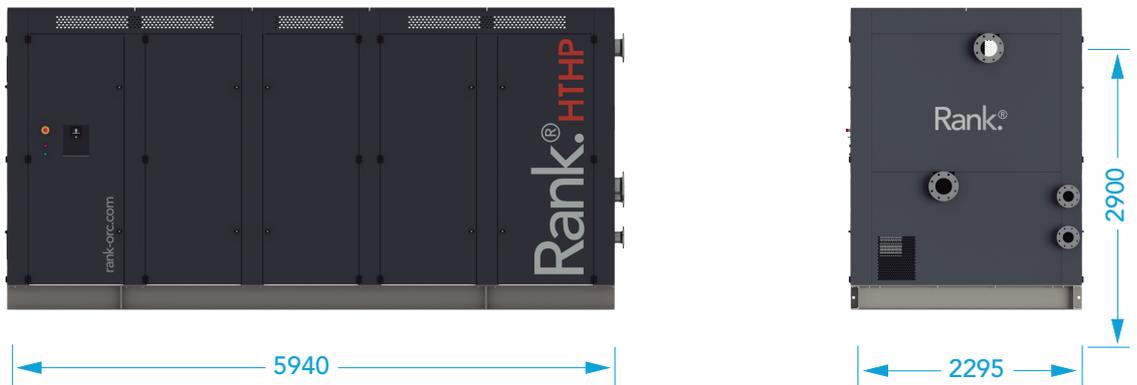


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



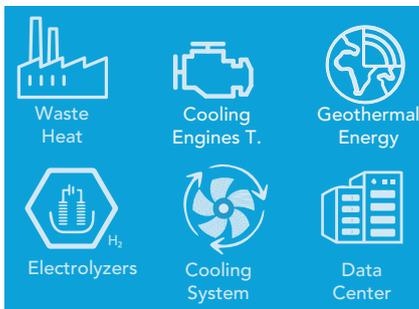
## Compliance with regulations and standards

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- UNE EN 764-7
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- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
<b>105</b>	5,1	<b>7,4</b>	10,7	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



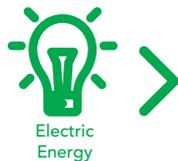
Heat source

Heat transfer fluid	Agua
Inlet temperature	50 °C
Outlet temperature	45 °C
Volumetric flow rate	73 m³/h
Thermal power	417 kWt
Pressure drop	100 kPa



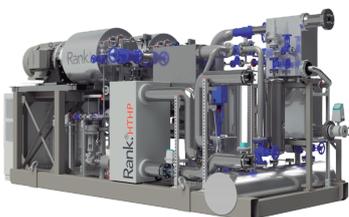
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	45 °C
Outlet temperature	105 °C
Volumetric flow rate	7 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

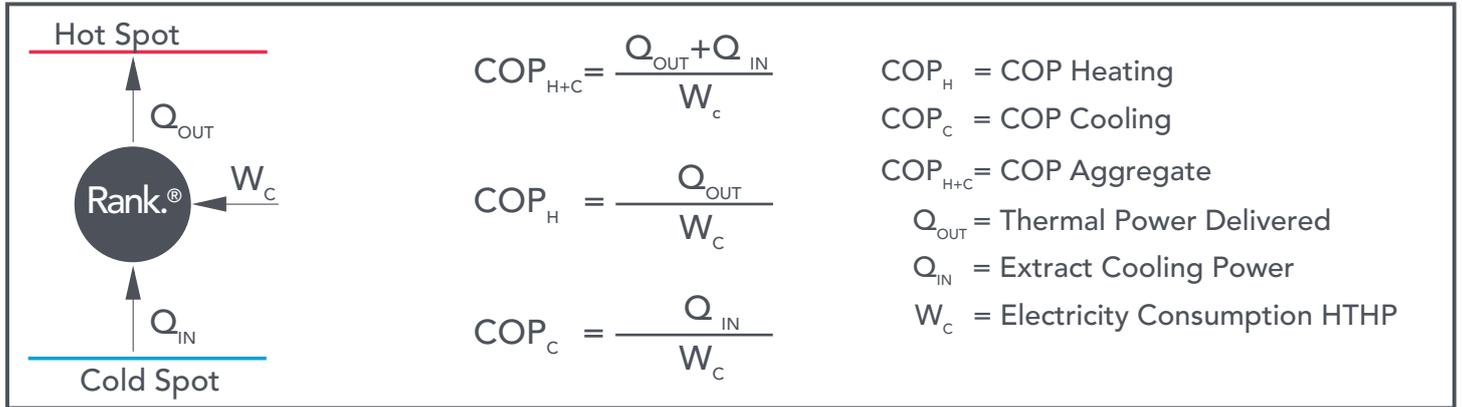


Electricity

Consumption	124 kWe
COP_H+C	7,4
COP_H	4,0
COP_C	3,4
Voltage	3x400 V

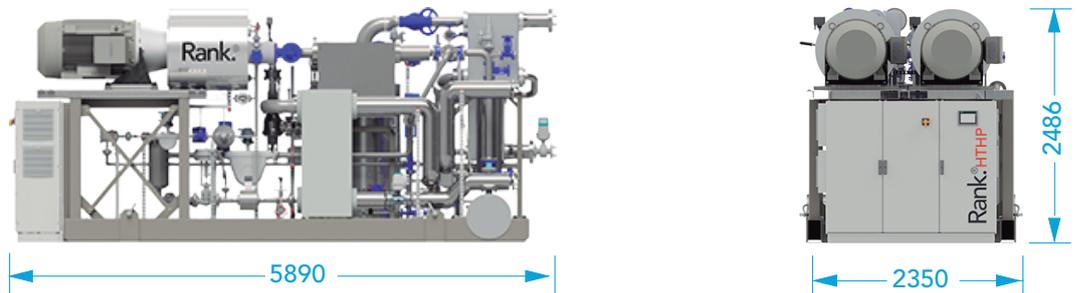


## Calculation COP's

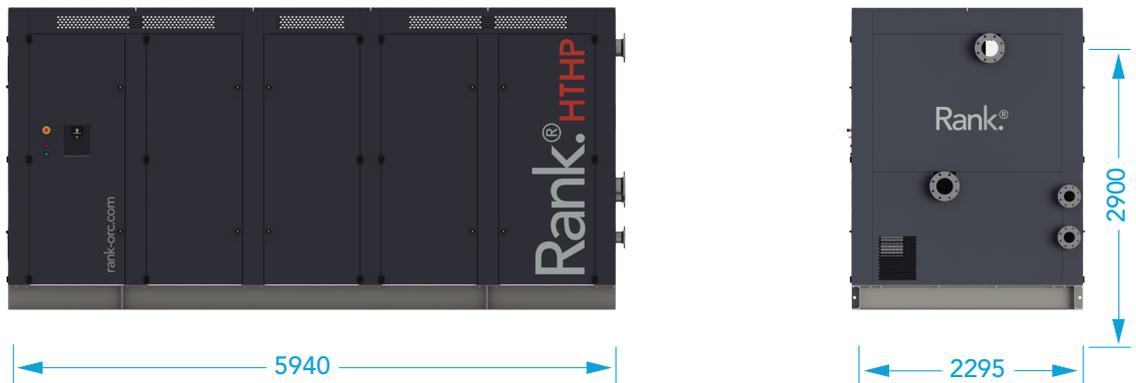


## Dimensiones

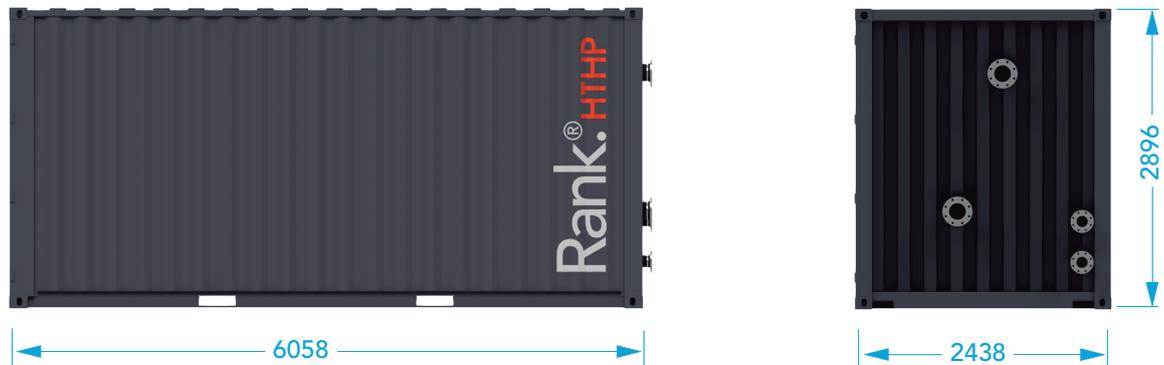
### Basic Option



### Wrap-around Option



### Container Option



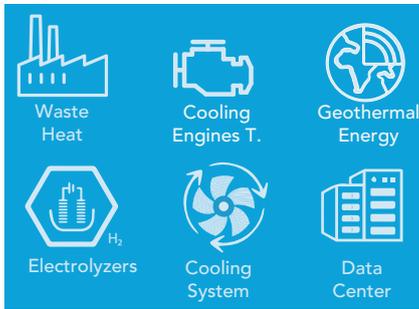
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
<b>105</b>	5,1	7,4	<b>10,7</b>	15,9	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



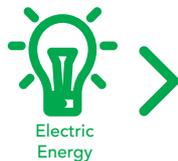
Heat source

Heat transfer fluid	Agua
Inlet temperature	75 °C
Outlet temperature	65 °C
Volumetric flow rate	39 m³/h
Thermal power	439 kWt
Pressure drop	100 kPa



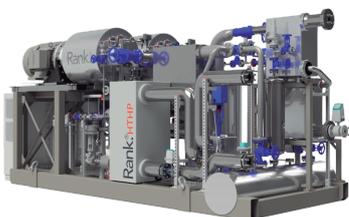
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	80 °C
Outlet temperature	105 °C
Volumetric flow rate	18 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

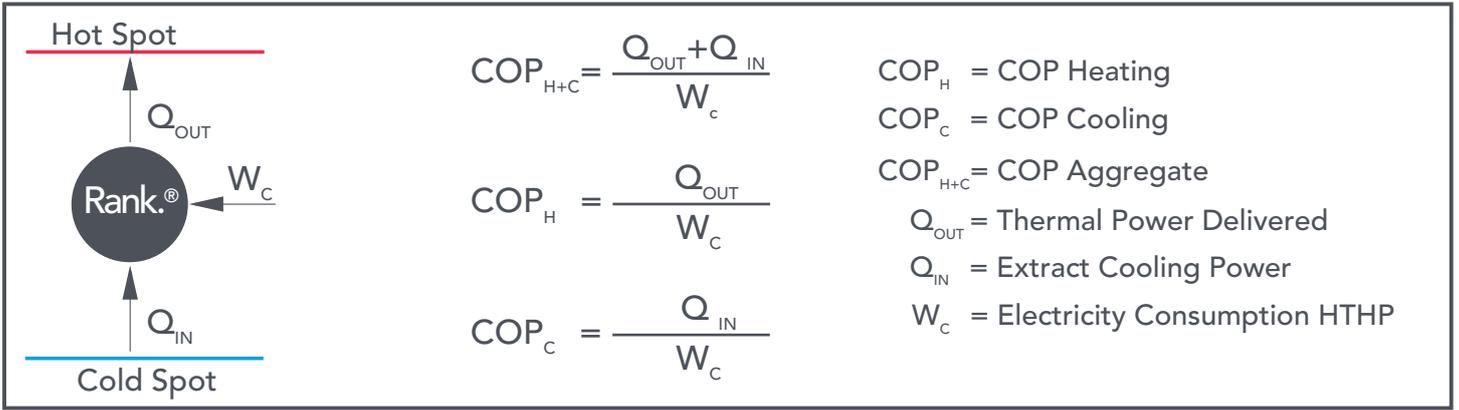


Electricity

Consumption	88 kWe
COP_H+C	10,7
COP_H	5,7
COP_C	5,0
Voltage	3x400 V

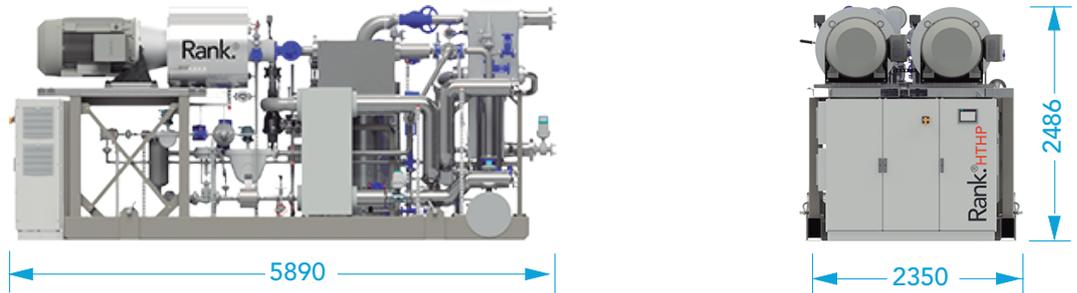


## Calculation COP's

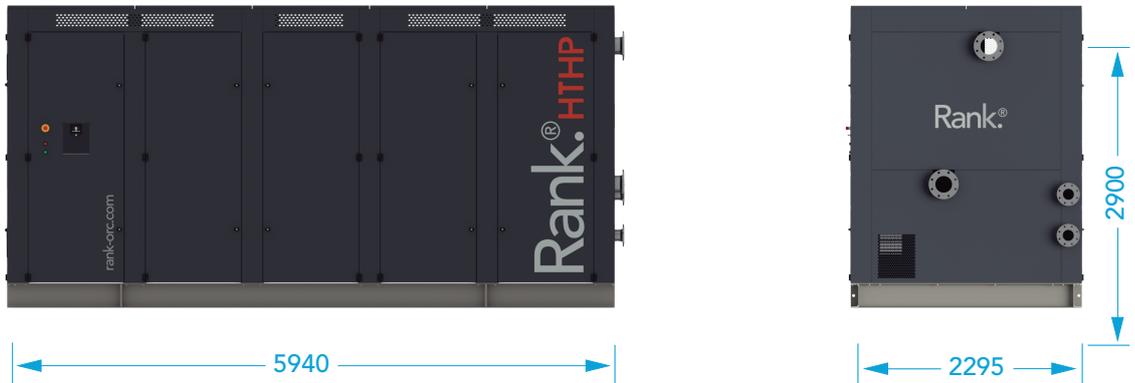


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



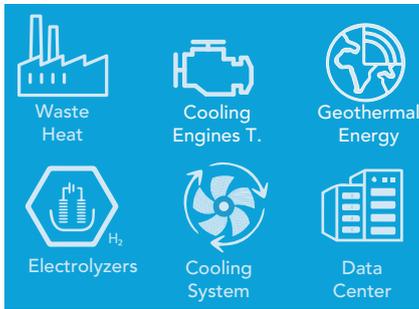
## Compliance with regulations and standards

- Low voltage Directive
- UNE EN 10216
- ASME B31.1 / ASME B31.3 – Process Piping Code
- Machinery Directive
- UNE EN 764-7
- ASME Boiler and Pressure Vessel Code Section VIII
- Electromagnetic Compatibility Directive
- UNE EN 13136:2014+A1
- UL 508A- Control Panel Wiring
- Pressurized Equipment Directive
- 2006/42/CE
- 2014/35/UE
- EN/ISO 3744:2010
- 2014/68/UE
- 2014/30/UE

## Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
<b>105</b>	5,1	7,4	10,7	<b>15,9</b>	-	
90	5,5	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



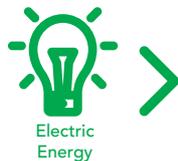
Heat source

Heat transfer fluid	Agua
Inlet temperature	100 °C
Outlet temperature	80 °C
Volumetric flow rate	20 m³/h
Thermal power	459 kWt
Pressure drop	100 kPa



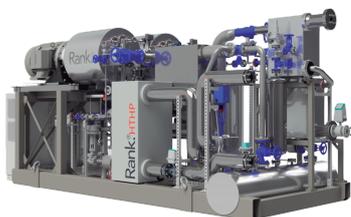
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	90 °C
Outlet temperature	105 °C
Volumetric flow rate	30 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

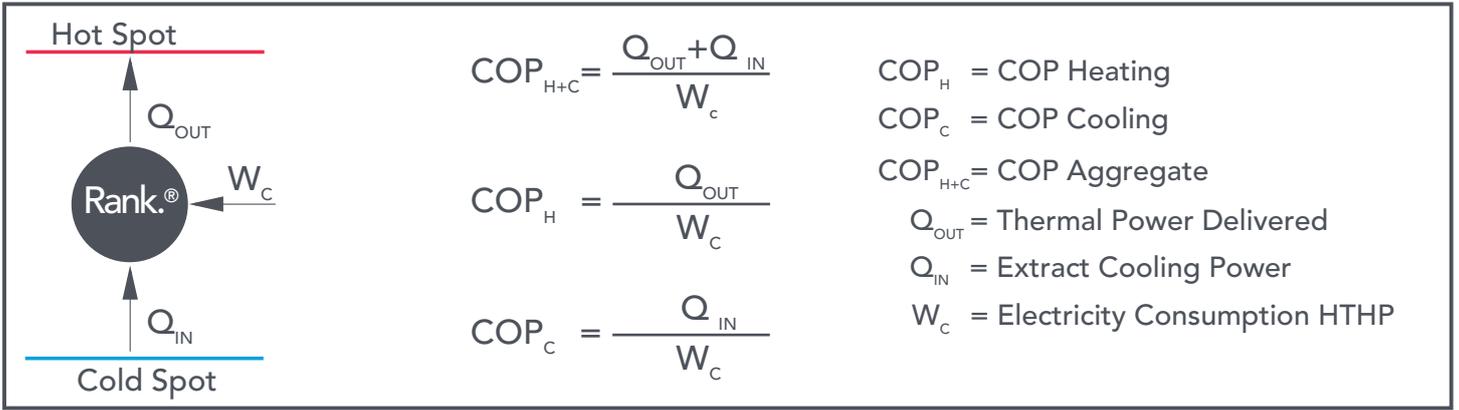


Electricity

Consumption	60 kWe
COP_H+C	15,9
COP_H	8,3
COP_C	7,6
Voltage	3x400 V

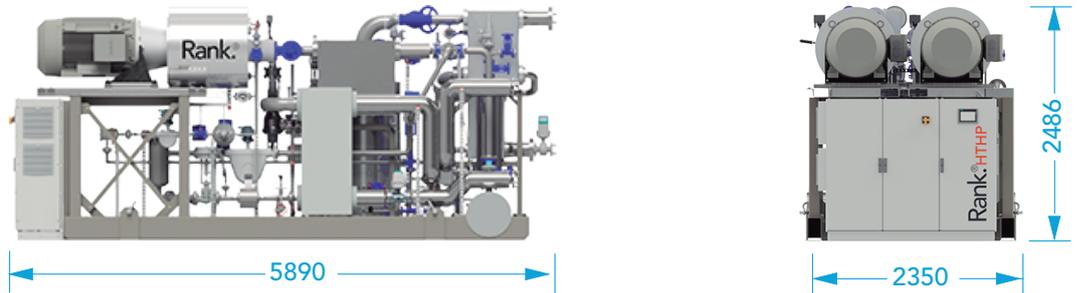


## Calculation COP's

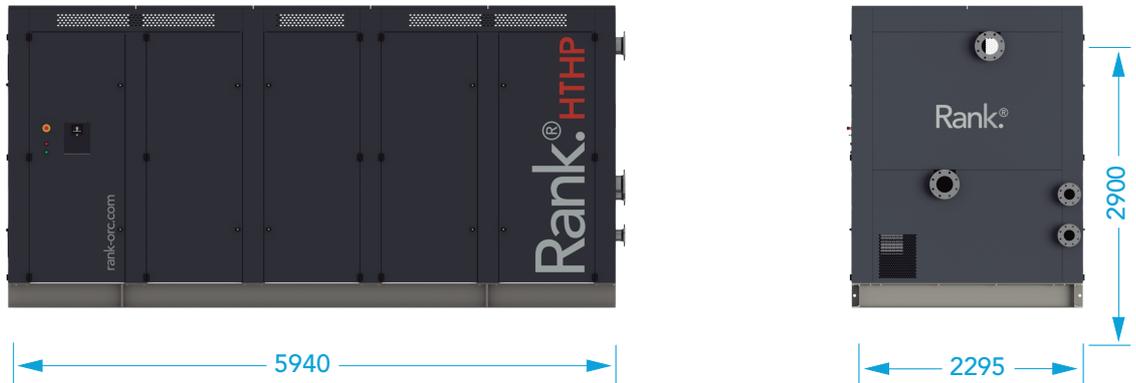


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



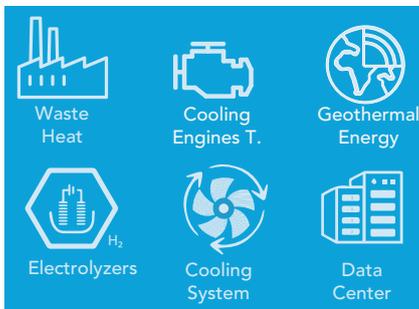
## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
<b>90</b>	<b>5,5</b>	10,1	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



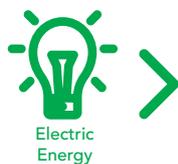
Heat source

Heat transfer fluid	Agua
Inlet temperature	25 °C
Outlet temperature	20 °C
Volumetric flow rate	68 m <sup>3</sup> /h
Thermal power	397 kWt
Pressure drop	100 kPa



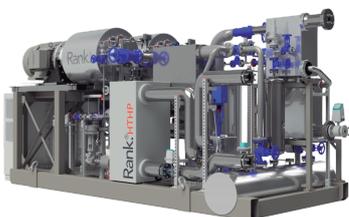
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	35 °C
Outlet temperature	90 °C
Volumetric flow rate	8 m <sup>3</sup> /h
Thermal power	500 kWt
Pressure drop	50 kPa

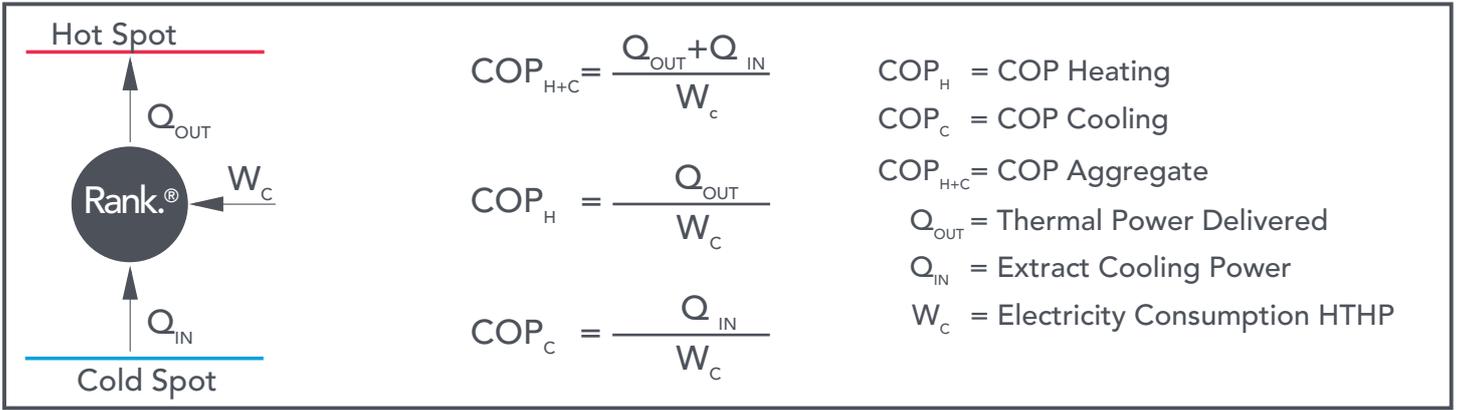


Electricity

Consumption	162 kW <sub>e</sub>
COP_H+C	6
COP_H	3
COP_C	2
Voltage	3x400 V

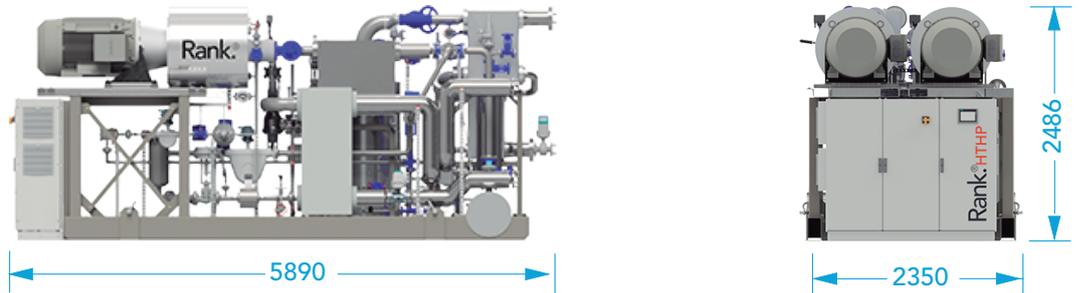


## Calculation COP's

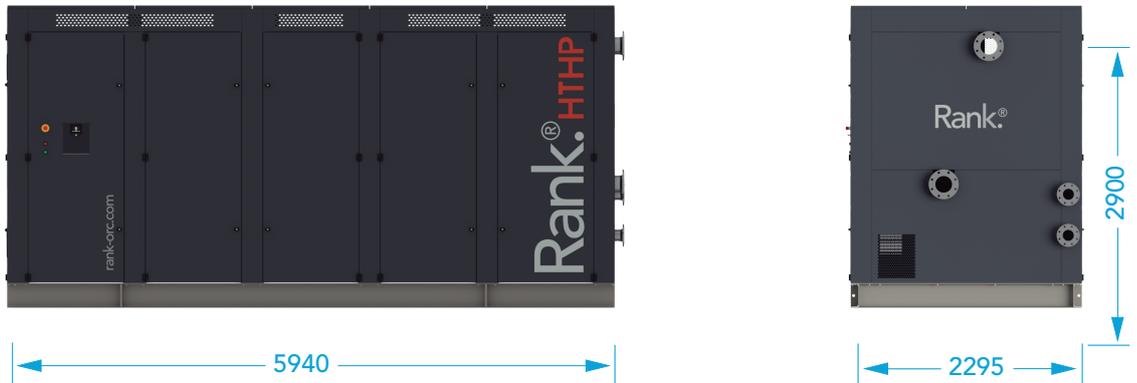


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
<b>90</b>	5,5	<b>10,1</b>	15,3	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



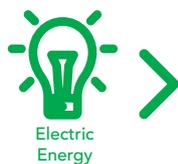
Heat source

Heat transfer fluid	Agua
Inlet temperature	50 °C
Outlet temperature	45 °C
Volumetric flow rate	76 m³/h
Thermal power	435 kWt
Pressure drop	100 kPa



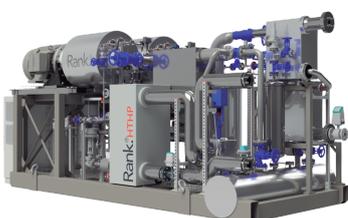
Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	35 °C
Outlet temperature	90 °C
Volumetric flow rate	8 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

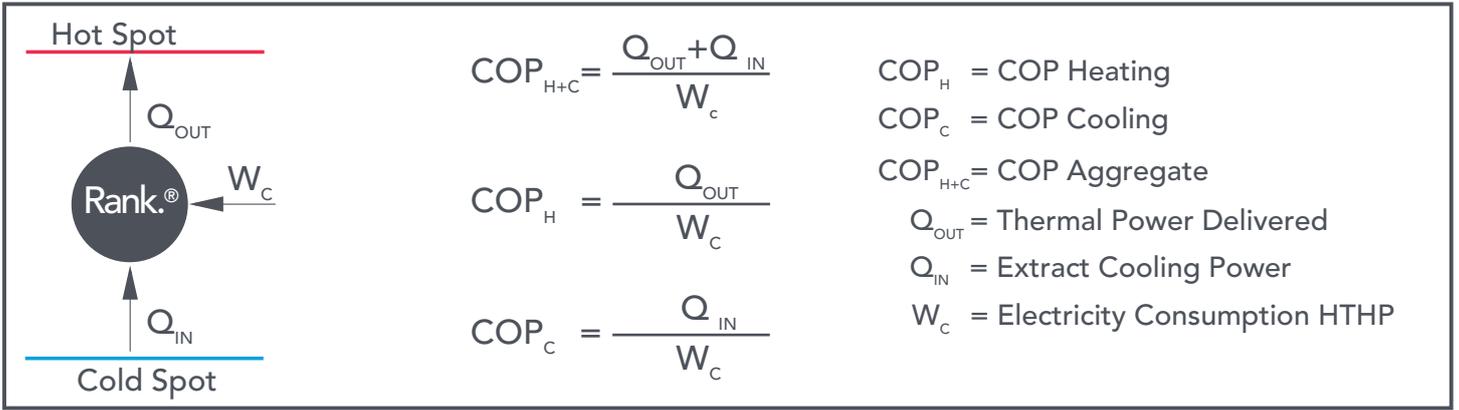


Electricity

Consumption	93 kWe
COP_H+C	10,1
COP_H	5,4
COP_C	4,7
Voltage	3x400 V

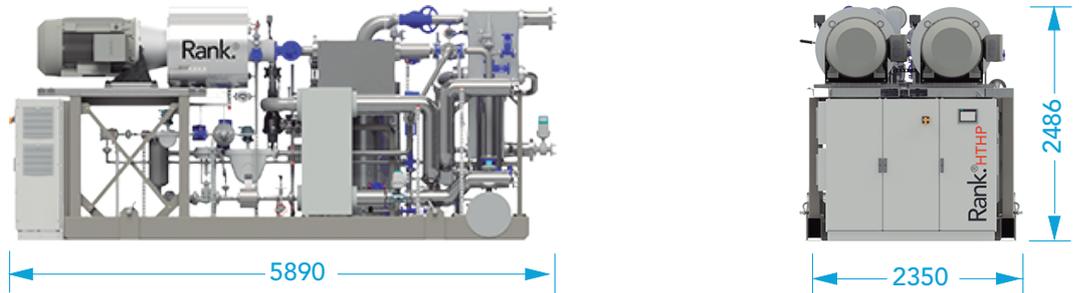


## Calculation COP's

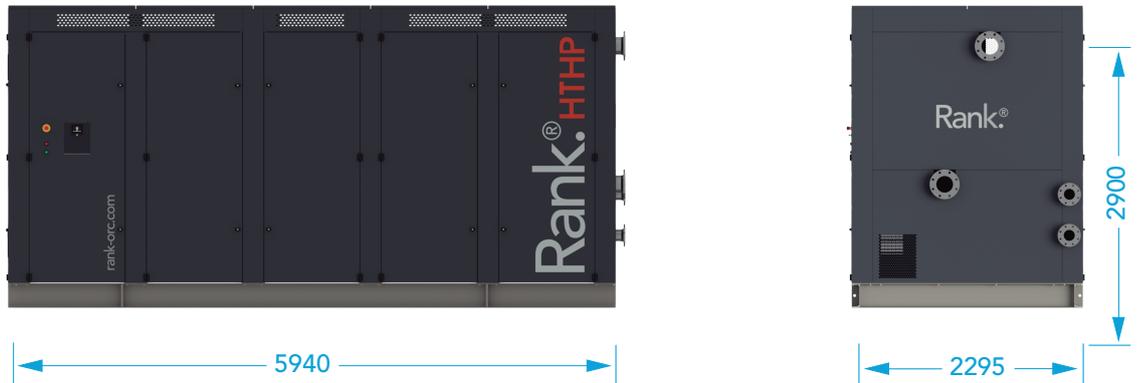


## Dimensiones

### Basic Option



### Wrap-around Option



### Container Option



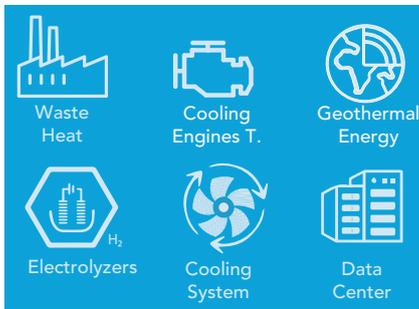
## Compliance with regulations and standards

- Low voltage Directive
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- Pressurized Equipment Directive
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- UNE EN 10216
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- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE

### Selected operating point

Useful Heat / Disipation	Tout (°C)	Water-Water COP H+C				
	150	3,7	4,9	6,0	9,6	12,8
135	3,9	5,5	6,8	12,0	13,8	
120	4,3	6,4	9,2	14,8	-	
105	5,1	7,4	10,7	15,9	-	
<b>90</b>	5,5	10,1	<b>15,3</b>	-	-	
Tin (°C)	25	50	75	100	125	

Heat source



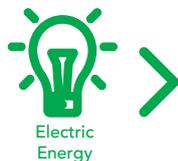
Heat source

Heat transfer fluid	Agua
Inlet temperature	75 °C
Outlet temperature	65 °C
Volumetric flow rate	40 m³/h
Thermal power	457 kWt
Pressure drop	100 kPa



Useful heat Disipation

Heat transfer fluid	Agua
Inlet temperature	80 °C
Outlet temperature	90 °C
Volumetric flow rate	44 m³/h
Thermal power	500 kWt
Pressure drop	50 kPa

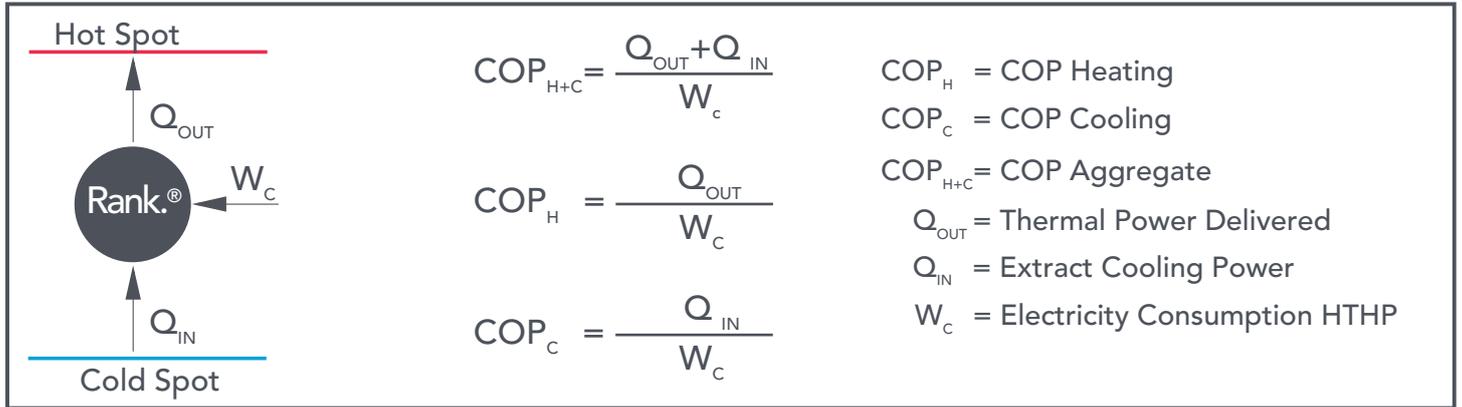


Electricity

Consumption	62 kWe
COP_H+C	15
COP_H	8
COP_C	7
Voltage	3x400 V

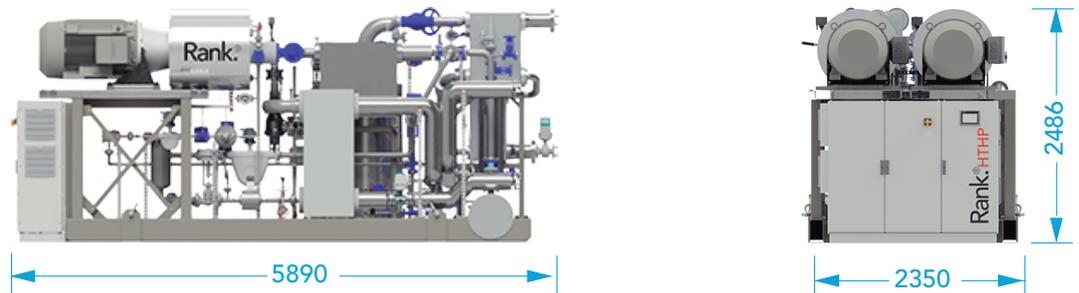


## Calculation COP's

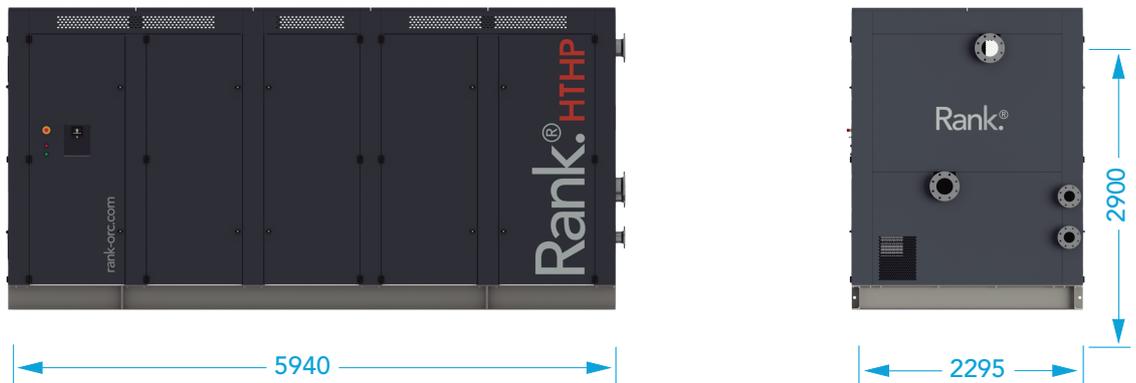


## Dimensiones

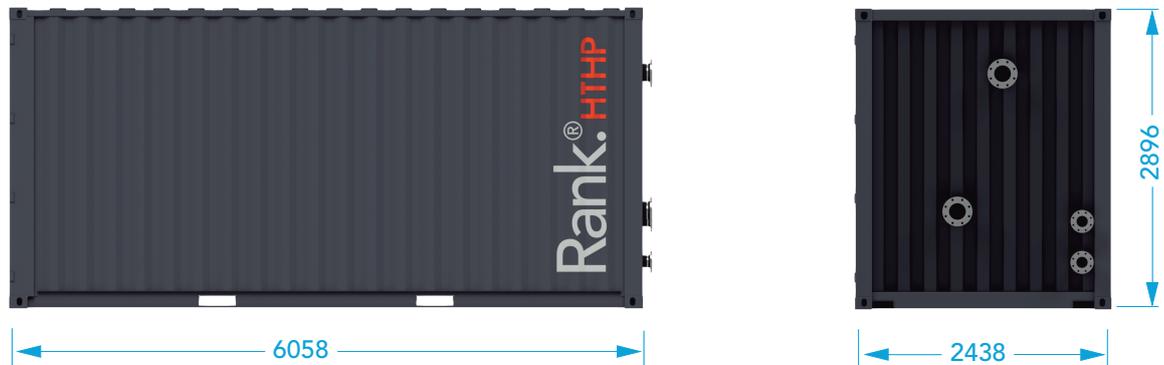
### Basic Option



### Wrap-around Option



### Container Option



## Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
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- UL 508A- Control Panel Wiring
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