

RPE - HPE 54÷244

Water chillers and air/water heat pumps with axial fans



ECOLOGICAL
GAS



AXIAL
FANS



SCROLL
COMPRESSOR



RATARY
COMPRESSOR



MONOBLOC
EXECUTION

Technical and construction characteristics

The chillers and heat pumps of the RPE-HPE series are designed for installation outside buildings for residential and commercial uses.

The main feature of the new RPE - HPE project is the extreme breadth of the proposal: the models that compose it can be made in chiller, free cooling or heat pump versions available in 2 different acoustic setups and cover a power range from 55 to 281 kW .

The possibility of creating different refrigeration circuits on the same power size allows you to customize the efficiency levels at full or partial load:

- 1 circuit / 2 compressors. The two-compressor solution on one single refrigerant circuit increases efficiency at partial loads reaching ESEER/SEER and SCOP values higher than 4.
- 2 circuits / 4 compressors. 4 compressors allow you to dispense the power of the unit on 4 steps, perfectly adapting it to the actual thermal load of the system and reducing the starting currents.

Complete hydronic kits can be incorporated inside the units without changing their dimensions, with the possibility of choosing the water circulation pump.

All construction versions are equipped as standard with electronic expansion valves to maximize efficiency at partial loads.

| Model | Cooling power kW | Thermal powe kW | Code | € |
|-------------------|------------------|-----------------|----------|-----------|
| RPE 54 only cold | 54,6 | - | 37990044 | 24.030,00 |
| RPE 64 only cold | 65,8 | - | 37990045 | 26.160,00 |
| RPE 71 only cold | 71,5 | - | 37990046 | 28.220,00 |
| RPE 92 only cold | 88,8 | - | 37990057 | 40.220,00 |
| RPE 102 only cold | 102,0 | - | 37990058 | 42.230,00 |
| RPE 122 only cold | 113,0 | - | 37990059 | 48.270,00 |
| RPE 142 only cold | 144,0 | - | 37990060 | 50.950,00 |
| RPE 164 only cold | 152,0 | - | 37990061 | 59.660,00 |
| RPE 174 only cold | 162,0 | - | 37990062 | 68.370,00 |
| RPE 194 only cold | 183,0 | - | 37990063 | 73.740,00 |
| RPE 214 only cold | 202,0 | - | 37990064 | 80.440,00 |
| RPE 244 only cold | 245,0 | - | 37990065 | 86.470,00 |
| HPE 54 hot/cold | 53,20 | 60,30 | 37990047 | 27.080,00 |
| HPE 61 hot/cold | 60,50 | 67,80 | 37990048 | 28.040,00 |
| HPE 76 hot/cold | 74,50 | 85,20 | 37990049 | 31.460,00 |
| HPE 92 hot/cold | 87,70 | 107,00 | 37990066 | 44.790,00 |
| HPE 102 hot/cold | 100,0 | 120,00 | 37990067 | 46.660,00 |
| HPE 122 hot/cold | 112,0 | 133,00 | 37990068 | 53.360,00 |
| HPE 142 hot/cold | 142,0 | 166,00 | 37990069 | 56.310,00 |
| HPE 164 hot/cold | 150,0 | 181,00 | 37990070 | 65.700,00 |
| HPE 174 hot/cold | 160,0 | 189,00 | 37990071 | 72.390,00 |
| HPE 194 hot/cold | 180,0 | 213,00 | 37990072 | 81.780,00 |
| HPE 214 hot/cold | 199,0 | 232,00 | 37990073 | 85.800,00 |
| HPE 244 hot/cold | 242,0 | 281,00 | 37990074 | 93.840,00 |

RPE - HPE 54÷244

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Accessories RPE - HPE 54÷244

| | | Code | € |
|--|--------------------------|----------|-----------|
| PUMP + VASE | mod. RPE/HPE 54÷76 | 37990050 | 1.158,00 |
| | mod. RPE/HPE 92÷102 | 37990075 | 2.072,00 |
| | mod. RPE/HPE 122 | 37990076 | 2.199,00 |
| | mod. RPE/HPE 142÷164 | 37990077 | 2.331,00 |
| | mod. RPE/HPE 174÷194 | 37990078 | 2.460,00 |
| | mod. RPE/HPE 214 | 37990079 | 2.589,00 |
| | mod. RPE/HPE 244 | 37990080 | 2.974,00 |
| DOUBLE PUMP + VASE | mod. RPE/HPE 54÷76 | 37990051 | 2.083,00 |
| | mod. RPE/HPE 92÷164 | 37990081 | 3.363,00 |
| | mod. RPE/HPE 174÷214 | 37990082 | 5.556,00 |
| | mod. RPE/HPE 244 | 37990083 | 5.679,00 |
| | mod. RPE/HPE 92÷102 | 37990084 | 3.998,00 |
| HP INVERTER PUMP + VESSEL | mod. RPE/HPE 122÷164 | 37990085 | 5.263,00 |
| | mod. RPE/HPE 174 | 37990086 | 5.390,00 |
| | mod. RPE/HPE 194 | 37990087 | 5.575,00 |
| | mod. RPE/HPE 214 | 37990088 | 6.007,00 |
| | mod. RPE/HPE 244 | 37990089 | 7.041,00 |
| | mod. RPE/HPE 92÷102 | 37990090 | 7.856,00 |
| DOUBLE HP INVERTER PUMP + VESSEL | mod. RPE/HPE 122÷164 | 37990091 | 10.131,00 |
| | mod. RPE/HPE 174 | 37990092 | 11.675,00 |
| | mod. RPE/HPE 194 | 37990093 | 12.450,00 |
| | mod. RPE/HPE 214 | 37990094 | 12.907,00 |
| TANK | mod. RPE/HPE 244 | 37990095 | 14.840,00 |
| | mod. RPE/HPE 54÷76 | 37990052 | 1.158,00 |
| | mod. RPE/HPE 92÷164 | 37990096 | 1.685,00 |
| | mod. RPE/HPE 174÷244 | 37990097 | 2.589,00 |
| | mod. RPE/HPE 54÷76 | 37990053 | 1.106,00 |
| DESUPERHEATER | mod. RPE/HPE 92÷102 | 37990098 | 2.072,00 |
| | mod. RPE/HPE 122-142-174 | 37990099 | 2.331,00 |
| | mod. RPE/HPE 164-194-214 | 37990100 | 2.717,00 |
| CONDENSATION CONTROL | mod. RPE/HPE 244 | 37990101 | 3.102,00 |
| | mod. RPE/HPE 92÷102 | 37990102 | 5.269,00 |
| | mod. RPE/HPE 122 | 37990103 | 6.975,00 |
| | mod. RPE/HPE 142 | 37990104 | 7.007,00 |
| | mod. RPE/HPE 164 | 37990105 | 7.179,00 |
| | mod. RPE/HPE 174÷214 | 37990106 | 11.516,00 |
| | mod. RPE/HPE 244 | 37990107 | 11.580,00 |
| ANTI-VIBRATION | mod. RPE/HPE 54÷76 | 37990038 | 276,00 |
| | mod. RPE/HPE 92÷102 | 37990108 | 190,00 |
| | mod. RPE/HPE 122÷142 | 37990109 | 282,00 |
| | mod. RPE/HPE 164÷244 | 37990110 | 417,00 |
| REMOTE CONTROL USER INTERFACE | mod. RPE/HPE 54÷76 | 37990035 | 161,00 |
| | mod. RPE/HPE 92÷244 | 37990111 | 279,00 |
| | mod. RPE/HPE 92÷102 | 37990112 | 117,00 |
| PAIR OF VICTAULIC JOINTS | mod. RPE/HPE 122÷164 | 37990113 | 123,00 |
| | mod. RPE/HPE 174÷214 | 37990114 | 140,00 |
| | mod. RPE/HPE 244 | 37990115 | 192,00 |
| | mod. RPE/HPE 54 | 37990032 | 2.072,00 |
| | mod. RPE/HPE 64÷76 | 37990056 | 4.070,00 |
| SOFT START | mod. RPE/HPE 92÷102 | 37990116 | 3.231,00 |
| | mod. RPE/HPE 122÷142 | 37990117 | 3.875,00 |
| | mod. RPE/HPE 164÷174 | 37990118 | 5.164,00 |
| | mod. RPE/HPE 194÷214 | 37990119 | 6.453,00 |
| | mod. RPE/HPE 244 | 37990120 | 7.097,00 |
| MANOMETERS | mod. RPE/HPE 54÷76 | 37990031 | 166,00 |
| | mod. RPE/HPE 92÷142 | 37990121 | 152,00 |
| | mod. RPE/HPE 164÷244 | 37990122 | 294,00 |
| BATTERY PROTECTION GRILLE | mod. RPE/HPE 54÷76 | 37990055 | 472,00 |
| COMPRESSOR CASE ELECTRICAL RESISTANCE | mod. RPE/HPE 54÷76 | 37990034 | 265,00 |
| SOUND-ABSORBING COMPARTMENT INSULATION | mod. RPE/HPE 54÷76 | 37990054 | 271,00 |

RPE - HPE 54÷244

Water chillers and air/water heat pumps with axial fans

Main components RPE - HPE 54÷244

Structure

Made of galvanized and polyester powder painted steel sheet for outdoor environments.

The compressor compartment is completely closed and accessible on 3 sides thanks to easily removable panels to simplify all maintenance and control operations as much as possible.

Scroll compressors

Scroll compressors are today the best solution for reliability and containment of the sound power emitted.

The compressors are complete with motor protection against overheating, overcurrents and against excessive temperatures of the delivery gas.

Heat exchange battery

Made of copper tube and generously sized aluminum fins.

The particular design criterion allows the defrost phases to be speeded up as much as possible in the heat pump versions with evident benefits in terms of integrated efficiency over the entire cycle.

Electronic microprocessor control

Completely manages the unit.

The electronic control automatically adjusts the set point based on the external temperature to reduce consumption and widen the working range.

With the advanced microprocessor control it is possible to create LAN networks for parallel control of up to 4 units.

Fan motor unit

Axial type fans with aerofoil blades in hybrid plastic/aluminium material connected to an external rotor electric motor. The pressure condensation control continuously regulates the speed of the fans.

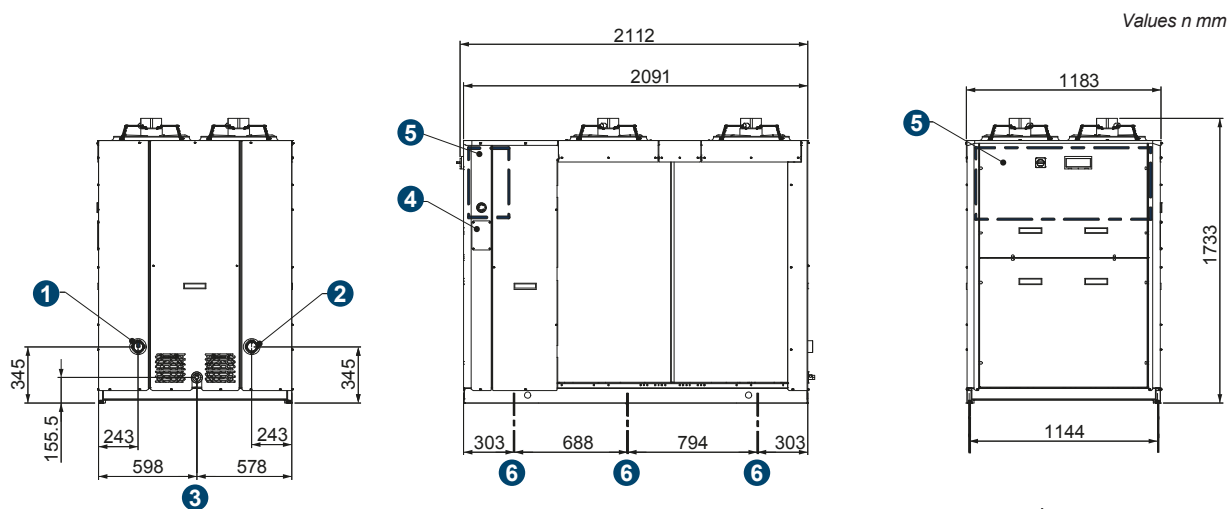
Electric fans with BLDC motor are available on request.

Refrigeration circuit

It can be made in 2 different versions on the same power size (Efficiency Pack), it mainly uses: - R410A scroll compressors

- Brazed plate exchangers
- Finned pack condenser
- Electronic expansion valve

Dimensions RPE - HPE 54÷64



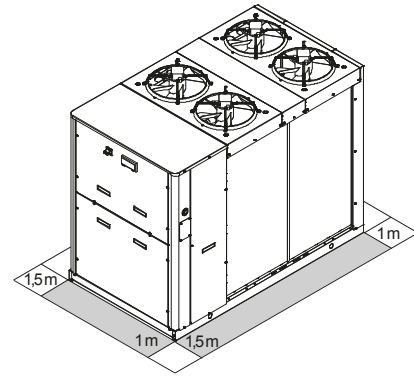
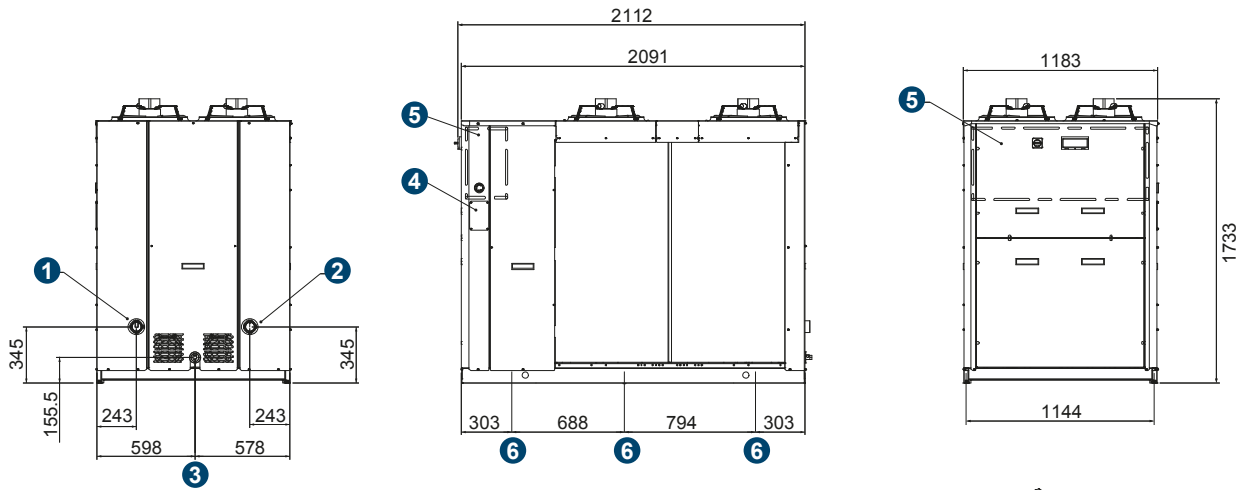
- 1 Water inlet 2" female
- 2 Water outlet 2" female
- 3 Water drain 1/2" female
- 4 Electrical supply
- 5 Electrical panel
- 6 anti-vibration fixing points

RPE - HPE 54÷244

Water chillers and air/water heat pumps with axial fans

Dimensions RPE - HPE 71÷76

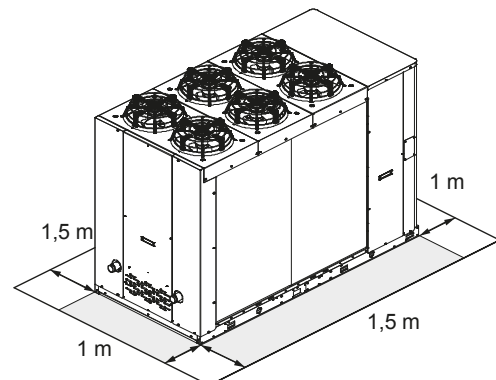
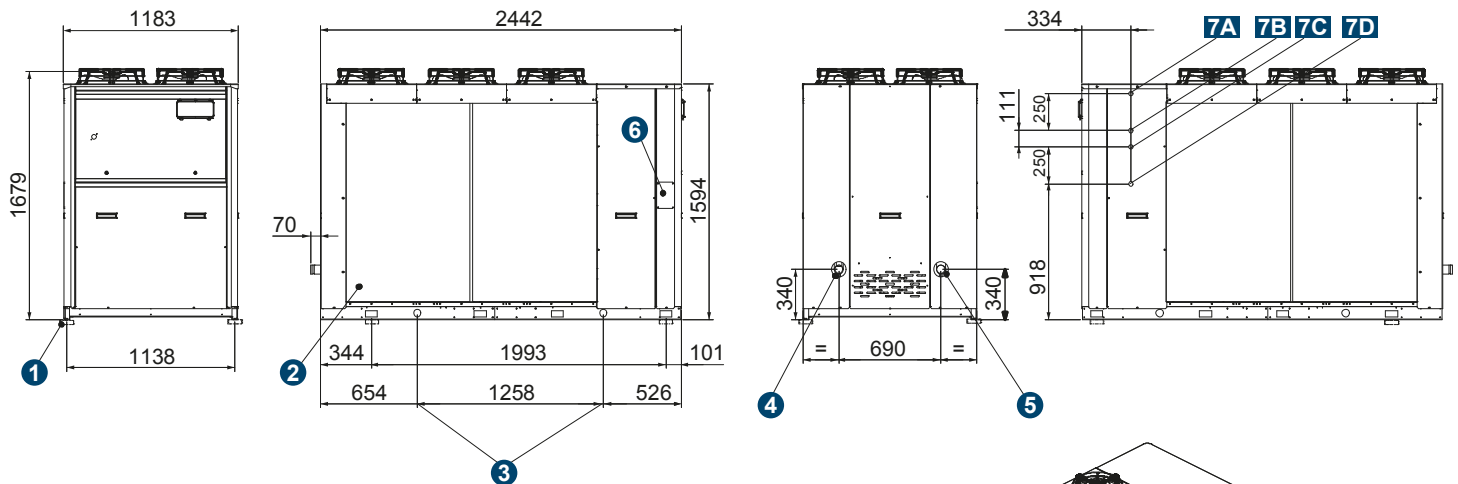
Values in mm



- 1 Water inlet 2" female
- 2 Water outlet 2" female
- 3 Water drain 1/2" female
- 4 Electrical supply
- 5 Electrical panel
- 6 anti-vibration fixing points

Dimensions RPE - HPE 92÷102

Values in mm

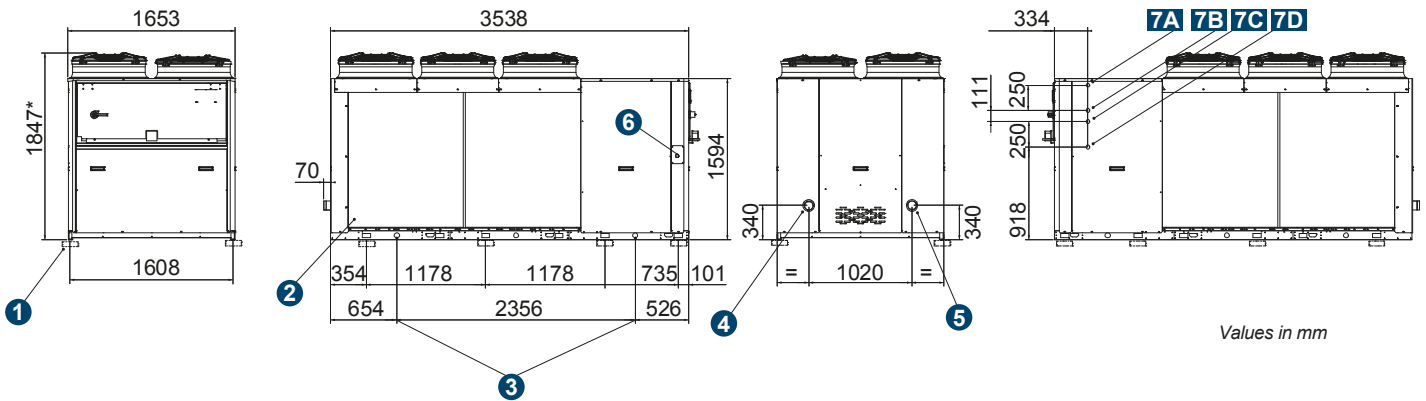


- 1 Anti-vibration supports
- 2 Protection grille (optional)
- 3 lifting points
- 4 Water inlet (2")
- 5 Water outlet (2")
- 6 Electrical power input
- 7A Heat recovery water outlet (1") left circuit
- 7B Heat recovery water inlet (1") left circuit
- 7C Heat recovery water outlet (1") right circuit
- 7D Heat recovery water inlet (1") right circuit

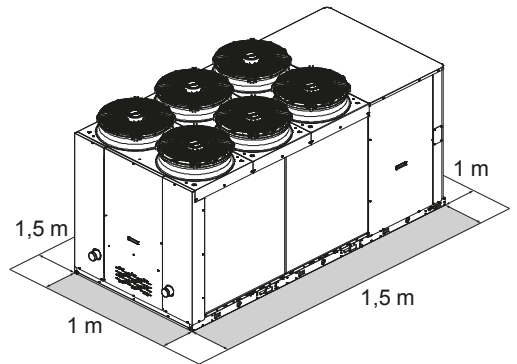
RPE - HPE 54÷244

Water chillers and air/water heat pumps with axial fans

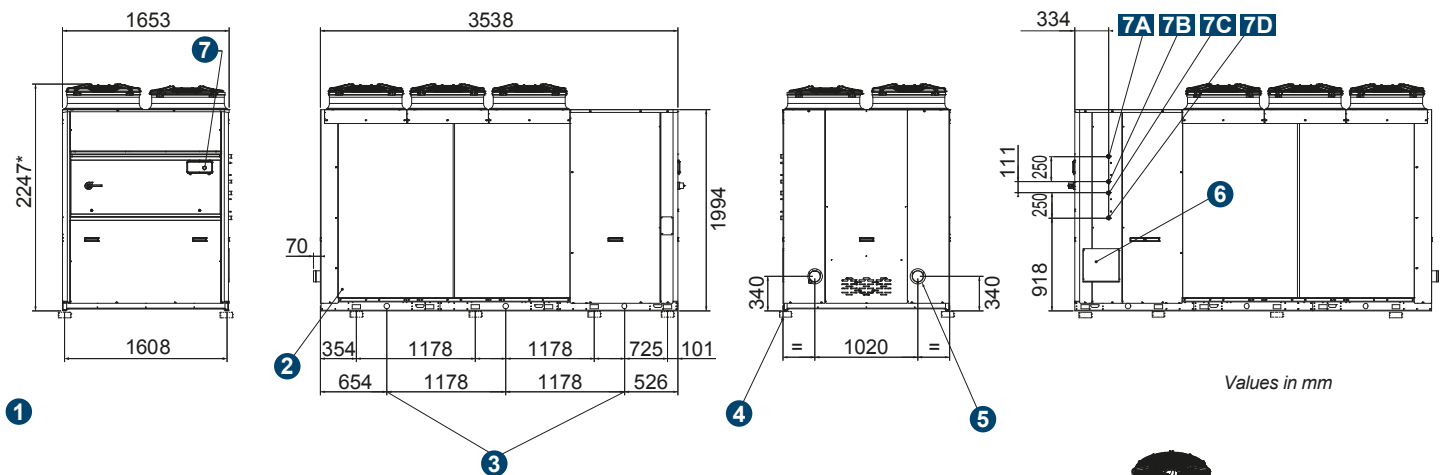
Chiller technical data table RPE - HPE 174÷214



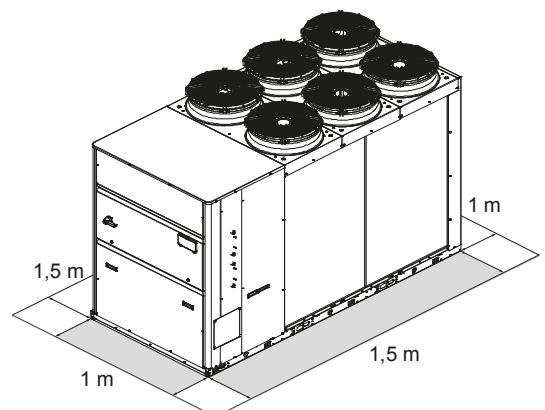
- 1 Anti-vibration supports
- 2 Protection grille (optional)
- 3 lifting points (optional)
- 4 Water inlet (3")
- 5 Water outlet (3")
- 6 Electrical power input
- 7A Heat recovery water outlet (1") left circuit
- 7B Heat recovery water inlet (1") left circuit
- 7C Heat recovery water outlet (1") right circuit
- 7D Heat recovery water inlet (1") right circuit
- * With fans EC=1884



Dimensions RPE - HPE 244



- 1 Anti-vibration supports
- 2 Protection grille (optional)
- 3 lifting points (optional)
- 4 Water inlet (4")
- 5 Water outlet (4")
- 6 Electrical power input
- 7A Heat recovery water outlet (1") left circuit
- 7B Heat recovery water inlet (1") left circuit
- 7C Heat recovery water outlet (1") right circuit
- 7D Heat recovery water inlet (1") right circuit
- * With fans EC=2284



RPE - HPE 54÷244

Water chillers and air/water heat pumps with axial fans

Chiller technical data table RPE 54÷122

| DESCRIPTION | U.M. | RPE 54 only cold | RPE 64 only cold | RPE 71 only cold | RPE 92 only cold | RPE 102 only cold | RPE 122 only cold |
|--|-----------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| Cooling power ⁽¹⁾ | kW | 54,6 | 65,8 | 71,5 | 88,8 | 102,0 | 113,0 |
| Ttl absorbed power ⁽¹⁾ | kW | 18,7 | 22,60 | 26,20 | 32,1 | 35,9 | 40,4 |
| E.E.R. ⁽¹⁾ | W/W | 2,93 | 2,91 | 2,73 | 2,77 | 2,83 | 2,80 |
| S.E.E.R. ⁽²⁾ | W/W | 4,10 | 4,10 | 4,12 | 4,14 | 4,45 | 4,15 |
| Water flow ⁽¹⁾ | l/h | 9400 | 11335 | 12306 | 15285 | 17530 | 19470 |
| Water side pressure drops ⁽¹⁾ | kPa | 41 | 37 | 37 | 32 | 32 | 34 |
| Low pump useful head prev. OR ⁽¹⁾ | kPa | 145 | 142 | 136 | 128 | 125 | 113 |
| Max current absorbed | A | 55,0 | 64,0 | 70,0 | 91,0 | 101,0 | 119,0 |
| Inrush current | A | 177 | 196 | 238 | 261 | 269 | 319 |
| Starting current with soft starter | A | 134 | 149 | 179 | 199 | 207 | 254 |
| Power supply | | 400V/3+N/50Hz | | | | | |
| Compressors / Circuits | n. | 2 / 1 | | | | | |
| Expansion vessel capacity | dm ³ | 8 | 8 | 8 | 12 | 12 | 12 |
| Tank capacity | dm ³ | 125 | 125 | 125 | 220 | 220 | 340 |
| Sound power level ⁽³⁾ | dB(A) | 81 | 81 | 81 | 86 | 86 | 86 |
| Net weight with pump and tank | Kg | 643 | 685 | 786 | 918 | 918 | 1241 |
| Operating weight with pump and tank | Kg | 751 | 793 | 894 | 1138 | 1138 | 1581 |

(1) External air temperature 35 °C, water temperature 12 °C / 7 °C (EN14511:2022)

(2) The efficiency values η in heating and cooling are calculated respectively with the following formulas: $[\eta=SCOP / 2.5 - F(1) - F(2)]$ and $[\eta=SEER / 2.5 - F(1) - F(2)]$

(3) Determined from measurements carried out in accordance with ISO 9614

Chiller technical data table RPE 142÷244

| DESCRIPTION | U.M. | RPE 142 only cold | RPE 164 only cold | RPE 174 only cold | RPE 194 only cold | RPE 214 only cold | RPE 244 only cold |
|--|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Cooling power ⁽¹⁾ | kW | 144,0 | 152,0 | 162,0 | 183,0 | 202,0 | 245,0 |
| Ttl absorbed power ⁽¹⁾ | kW | 50,9 | 56,4 | 58,20 | 65,6 | 76,2 | 95,7 |
| E.E.R. ⁽¹⁾ | W/W | 2,83 | 2,70 | 2,78 | 2,79 | 2,65 | 2,56 |
| S.E.E.R. ⁽²⁾ | W/W | 4,14 | 4,19 | 4,13 | 4,28 | 4,31 | 4,19 |
| Water flow ⁽¹⁾ | l/h | 24766 | 26160 | 27855 | 31447 | 34689 | 42201 |
| Water side pressure drops ⁽¹⁾ | kPa | 36 | 36 | 37 | 37 | 38 | 38 |
| Low pump useful head prev. OR ⁽¹⁾ | kPa | 174 | 159 | 170 | 150 | 161 | 196 |
| Max current absorbed | A | 131,0 | 150,0 | 136,0 | 155,0 | 173,0 | 196,0 |
| Inrush current | A | 330 | 266 | 252 | 310 | 330 | 380 |
| Starting current with soft starter | A | 265 | 214 | 200 | 248 | 268 | 315 |
| Power supply | | 400V/3+N/50Hz | | | | | |
| Compressors / Circuits | n. | 2 / 1 | | 4 / 2 | | | |
| Expansion vessel capacity | dm ³ | 12 | 12 | 24 | 24 | 24 | 24 |
| Tank capacity | dm ³ | 340 | 340 | 600 | 600 | 600 | 600 |
| Sound power level ⁽³⁾ | dB(A) | 87 | 85 | 88 | 88 | 89 | 89 |
| Net weight with pump and tank | Kg | 1286 | 1471 | 1608 | 1676 | 1686 | 1869 |
| Operating weight with pump and tank | Kg | 1626 | 1811 | 2208 | 2276 | 2286 | 2469 |

(1) External air temperature 35 °C, water temperature 12 °C / 7 °C (EN14511:2022)

(2) The efficiency values η in heating and cooling are calculated respectively with the following formulas: $[\eta=SCOP / 2.5 - F(1) - F(2)]$ and $[\eta=SEER / 2.5 - F(1) - F(2)]$

(3) Determined from measurements carried out in accordance with ISO 9614

RPE - HPE 54÷244

Water chillers and air/water heat pumps with axial fans

Technical data table for chillers and heat pumps RPE - HPE 54÷122

| DESCRIPTION | U.M. | HPE 54 | HPE 61 | HPE 76 | HPE 92 | HPE 102 | HPE 122 |
|--|-----------------|---------------|----------|----------|----------|----------|----------|
| | | cold/hot | cold/hot | cold/hot | cold/hot | cold/hot | cold/hot |
| Cooling power ⁽¹⁾ | kW | 53,2 | 60,5 | 74,5 | 87,7 | 100,0 | 112,0 |
| Ttl absorbed power ⁽¹⁾ | kW | 18,6 | 21,7 | 28,0 | 32,0 | 35,3 | 40,4 |
| E.E.R. ⁽¹⁾ | W/W | 2,86 | 2,79 | 2,66 | 2,74 | 2,84 | 2,76 |
| S.E.E.R. ⁽²⁾ | W/W | 3,77 | 3,78 | 3,97 | 4,11 | 4,38 | 4,02 |
| Water flow ⁽¹⁾ | l/h | 9173 | 10425 | 12837 | 15080 | 17276 | 19183 |
| Water side pressure drops ⁽¹⁾ | kPa | 51 | 64 | 58 | 24 | 26 | 27 |
| Low pump useful head prev. OR ⁽¹⁾ | kPa | 138 | 122 | 115 | 136 | 131 | 121 |
| Heating power ⁽³⁾ | kW | 60,3 | 67,8 | 85,2 | 107,0 | 120,0 | 133,0 |
| Ttl absorbed power ⁽³⁾ | kW | 18,90 | 22,1 | 27,4 | 30,0 | 34,2 | 38,1 |
| COP ⁽³⁾ | W/W | 3,19 | 3,07 | 3,11 | 3,55 | 3,50 | 3,50 |
| SCOP ⁽²⁾ | W/W | 3,55 | 3,47 | 3,56 | 4,22 | 4,30 | 4,18 |
| Efficiency class energy in heating. ⁽⁴⁾ | | A+ | A+ | A+ | A++ | A++ | A++ |
| Water flow ⁽³⁾ | l/h | 10440 | 11736 | 14740 | 18461 | 20768 | 23116 |
| Water side pressure drops ⁽³⁾ | kPa | 58 | 74 | 69 | 36 | 37 | 39 |
| Low pump useful head prev. OR ⁽³⁾ | kPa | 137 | 116 | 105 | 130 | 123 | 113 |
| Max current absorbed | A | 48,0 | 53,0 | 69,0 | 91,0 | 101,0 | 119,0 |
| Inrush current | A | 177 | 187 | 229 | 261 | 269 | 319 |
| Starting current with softstarter | A | 130 | 138 | 169 | 199 | 207 | 254 |
| Power supply | | 400V/3+N/50Hz | | | | | |
| Compressors/Circuits | n. | 2/1 | | | | | |
| Expansion vessel capacity | dm ³ | 8 | 8 | 8 | 12 | 12 | 12 |
| Tank capacity | dm ³ | 125 | 125 | 125 | 220 | 220 | 340 |
| Sound level ⁽⁵⁾ | dB(A) | 81 | 81 | 81 | 86 | 86 | 86 |
| Net weight with pump and tank | Kg | 643 | 665 | 786 | 918 | 918 | 1241 |
| Operating weight with pump and tank | Kg | 751 | 773 | 894 | 1138 | 1138 | 1581 |

(1) External air temperature 35 °C, water temperature 12 °C / 7 °C (EN14511:2022)

(2) The efficiency values η in heating and cooling are calculated respectively with the following formulas: $[\eta=SCOP / 2.5 - F(1) - F(2)]$ and $[\eta=SEER / 2.5 - F(1) - F(2)]$

(3) Outdoor air temperature 7 °C, dry bulb / 6.2 °C wet bulb, water temperature 40 °C / 45 °C (EN14511:2013)

(4) Seasonal energy efficiency class of LOW TEMPERATURE space heating in AVERAGE climate conditions [REGULATION (EU) No. 811/2013]

(5) Determined from measurements carried out in accordance with ISO 9614

Technical data table for chillers and heat pumps RPE - HPE 142÷244

| DESCRIPTION | U.M. | HPE 142 | HPE 164 | HPE 174 | HPE 194 | HPE 214 | HPE 244 |
|--|-----------------|---------------|----------|----------|----------|----------|----------|
| | | cold/hot | cold/hot | cold/hot | cold/hot | cold/hot | cold/hot |
| Cooling power ⁽¹⁾ | kW | 142,0 | 150,0 | 160,0 | 180,0 | 199,0 | 242,0 |
| Ttl absorbed power ⁽¹⁾ | kW | 50,8 | 56,3 | 58,1 | 65,6 | 76,2 | 95,7 |
| E.E.R. ⁽¹⁾ | W/W | 2,79 | 2,66 | 2,74 | 2,74 | 2,61 | 2,53 |
| S.E.E.R. ⁽²⁾ | W/W | 4,10 | 4,15 | 3,45 | 3,64 | 3,67 | 3,55 |
| Water flow ⁽¹⁾ | l/h | 24399 | 25773 | 27443 | 30948 | 34175 | 41577 |
| Water side pressure drops ⁽¹⁾ | kPa | 31 | 32 | 34 | 34 | 35 | 35 |
| Low pump useful head prev. OR ⁽¹⁾ | kPa | 177 | 162 | 172 | 152 | 164 | 198 |
| Heating power ⁽³⁾ | kW | 166,0 | 181,0 | 189,0 | 213,0 | 232,0 | 281,0 |
| Ttl absorbed power ⁽³⁾ | kW | 47,7 | 50,7 | 56,9 | 64,6 | 71,0 | 85,6 |
| COP ⁽³⁾ | W/W | 3,49 | 3,56 | 3,32 | 3,31 | 3,27 | 3,28 |
| SCOP ⁽²⁾ | W/W | 4,13 | 4,07 | 3,57 | 3,64 | 3,64 | 3,66 |
| Efficiency class energy in heating. ⁽⁴⁾ | | A++ | A++ | A+ | A+ | A+ | A+ |
| Water flow ⁽³⁾ | l/h | 28831 | 31359 | 32758 | 37031 | 40301 | 48719 |
| Water side pressure drops ⁽³⁾ | kPa | 43 | 47 | 48 | 48 | 48 | 48 |
| Low pump useful head prev. OR ⁽³⁾ | kPa | 162 | 141 | 155 | 129 | 136 | 181 |
| Max current absorbed | A | 131,0 | 150,0 | 136,0 | 155,0 | 173,0 | 196,0 |
| Inrush current | A | 330 | 266 | 252 | 310 | 330 | 380 |
| Starting current with softstarter | A | 265 | 214 | 200 | 248 | 268 | 315 |
| Power supply | | 400V/3+N/50Hz | | | | | |
| Compressors/Circuits | n. | 2/1 | 4/2 | 4/2 | 4/2 | 4/2 | 4/2 |
| Expansion vessel capacity | dm ³ | 12 | 12 | 24 | 24 | 24 | 24 |
| Tank capacity | dm ³ | 340 | 340 | 600 | 600 | 600 | 600 |
| Sound level ⁽⁵⁾ | dB(A) | 87 | 85 | 88 | 88 | 89 | 89 |
| Net weight with pump and tank | Kg | 1286 | 1471 | 1608 | 1676 | 1686 | 1869 |
| Operating weight with pump and tank | Kg | 1626 | 1811 | 2208 | 2276 | 2286 | 2469 |

(1) External air temperature 35 °C, water temperature 12 °C / 7 °C (EN14511:2022)

(2) The efficiency values η in heating and cooling are calculated respectively with the following formulas: $[\eta=SCOP / 2.5 - F(1) - F(2)]$ and $[\eta=SEER / 2.5 - F(1) - F(2)]$

(3) Outdoor air temperature 7 °C, dry bulb / 6.2 °C wet bulb, water temperature 40 °C / 45 °C (EN14511:2013)

(4) Seasonal energy efficiency class of LOW TEMPERATURE space heating in AVERAGE climate conditions [REGULATION (EU) No. 811/2013]

(5) Determined from measurements carried out in accordance with ISO 9614