



# EPTAMETIC FRASCOLD R449A

## ENERGY EFFICIENCY DATA SHEETS

*Values of COP and SEPR in conformity  
to the rule UE2015/1095 of May 5<sup>th</sup> 2015*

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Model

**EPTAMETIC- GN18 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | x     |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 1,33 | kW |
| Nominal absorbed power   | $D_A$   | 1,31 | kW |
| Nominal COP              | $COP_A$ | 1,02 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 1,43 | kW |
| Nominal absorbed power   | $D_B$   | 1,22 | kW |
| Declared COP             | $COP_B$ | 1,17 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |   |    |
|--------------------------|---------|---|----|
| Nominal cooling capacity | $P_C$   | x | kW |
| Nominal absorbed power   | $D_C$   | x | kW |
| Declared COP             | $COP_C$ | x |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |   |    |
|--------------------------|---------|---|----|
| Nominal cooling capacity | $P_D$   | x | kW |
| Nominal absorbed power   | $D_D$   | x | kW |
| Declared COP             | $COP_D$ | x |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 1,17 | kW |
| Nominal absorbed power   | $D_3$   | 1,41 | kW |
| Declared COP   | $COP_3$ | 0,83 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   |      |    |
|  | 0,25    |      |    |

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|                     |                          |
|---------------------|--------------------------|
| Model               | EPTAMETIC- GN28 FRASCOLD |
| Refrigerating Fluid | R449a                    |

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,65  |       |

| Parameters at full load and at a room temperature of 32°C<br>(Point A) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_A$   | 2,46 | kW |
| Nominal absorbed power   | $D_A$   | 2,24 | kW |
| Declared COP   | $COP_A$ | 1,10 |    |

| Parameters at full load and at a room temperature of 25°C<br>(Point B) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_B$   | 2,67 | kW |
| Nominal absorbed power   | $D_B$   | 2,12 | kW |
| Declared COP   | $COP_B$ | 1,26 |    |

| Parameters at full load and at a room temperature of 15°C<br>(Point C) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_C$   | 3,06 | kW |
| Nominal absorbed power   | $D_C$   | 1,92 | kW |
| Declared COP   | $COP_C$ | 1,59 |    |

| Parameters at full load and at a room temperature of 5°C<br>(Point D) |         |      |    |
|---|---------|------|----|
| Nominal cooling capacity  | $P_D$   | 3,75 | kW |
| Nominal absorbed power  | $D_D$   | 1,57 | kW |
| Declared COP  | $COP_D$ | 2,38 |    |

| Parameters at full load and at a room temperature of 43°C                  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 2,17 | kW |
| Nominal absorbed power   | $D_3$   | 2,28 | kW |
| Declared COP   | $COP_3$ | 0,95 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GN40 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,69  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 2,55 | kW |
| Nominal absorbed power   | $D_A$   | 2,29 | kW |
| Nominal COP              | $COP_A$ | 1,11 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 2,83 | kW |
| Nominal absorbed power   | $D_B$   | 2,21 | kW |
| Declared COP             | $COP_B$ | 1,28 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_C$   | 3,34 | kW |
| Nominal absorbed power   | $D_C$   | 2,00 | kW |
| Declared COP             | $COP_C$ | 1,67 |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_D$   | 4,03 | kW |
| Nominal absorbed power   | $D_D$   | 2,16 | kW |
| Declared COP             | $COP_D$ | 2,43 |    |

**Parameters at full load and at a room temperature of 43°C**

|  |              |      |    |
|--|--------------|------|----|
| Nominal cooling capacity   | $P_3$        | 2,12 | kW |
| Nominal absorbed power   | $D_3$        | 2,28 | kW |
| Declared COP   | $COP_3$      | 0,93 |    |
| Control of capacity  | <i>fixed</i> |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$        | 0,25 |    |

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Model

**EPTAMETIC- GN41 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,57  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 3,10 | kW |
| Nominal absorbed power   | $D_A$   | 2,74 | kW |
| Nominal COP              | $COP_A$ | 1,13 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 3,35 | kW |
| Nominal absorbed power   | $D_B$   | 2,66 | kW |
| Declared COP             | $COP_B$ | 1,26 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_C$   | 3,87 | kW |
| Nominal absorbed power   | $D_C$   | 2,45 | kW |
| Declared COP             | $COP_C$ | 1,58 |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_D$   | 4,65 | kW |
| Nominal absorbed power   | $D_D$   | 2,20 | kW |
| Declared COP             | $COP_D$ | 2,11 |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 2,76 | kW |
| Nominal absorbed power   | $D_3$   | 2,79 | kW |
| Declared COP   | $COP_3$ | 0,99 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GN50 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,69  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 3,23 | kW |
| Nominal absorbed power   | $D_A$   | 3,02 | kW |
| Nominal COP              | $COP_A$ | 1,07 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 3,66 | kW |
| Nominal absorbed power   | $D_B$   | 2,93 | kW |
| Declared COP             | $COP_B$ | 1,25 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_C$   | 4,40 | kW |
| Nominal absorbed power   | $D_C$   | 2,64 | kW |
| Declared COP             | $COP_C$ | 1,67 |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_D$   | 5,40 | kW |
| Nominal absorbed power   | $D_D$   | 2,16 | kW |
| Declared COP             | $COP_D$ | 2,50 |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 2,56 | kW |
| Nominal absorbed power   | $D_3$   | 0,87 | kW |
| Declared COP   | $COP_3$ | 0,85 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GN70 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,60  |       |

**Parameters at full load and at a room temperature of 32°C****(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 4,23 | kW |
| Nominal absorbed power   | $D_A$   | 4,03 | kW |
| Nominal COP              | $COP_A$ | 1,05 |    |

**Parameters at full load and at a room temperature of 25°C****(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 4,71 | kW |
| Nominal absorbed power   | $D_B$   | 3,89 | kW |
| Declared COP             | $COP_B$ | 1,21 |    |

**Parameters at full load and at a room temperature of 15°C****(Point C)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_C$   | 5,55 | kW |
| Nominal absorbed power   | $D_C$   | 3,52 | kW |
| Declared COP             | $COP_C$ | 1,58 |    |

**Parameters at full load and at a room temperature of 5°C****(Point D)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_D$   | 6,73 | kW |
| Nominal absorbed power   | $D_D$   | 2,91 | kW |
| Declared COP             | $COP_D$ | 2,31 |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 3,51 | kW |
| Nominal absorbed power   | $D_3$   | 3,95 | kW |
| Declared COP   | $COP_3$ | 0,89 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   |      |    |
|  | 0,25    |      |    |

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Model

**EPTAMETIC- GN75 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,63  |       |

#### Parameters at full load and at a room temperature of 32°C

(Point A)

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 5,20 | kW |
| Nominal absorbed power   | $D_A$   | 4,68 | kW |
| Nominal COP              | $COP_A$ | 1,11 |    |

#### Parameters at full load and at a room temperature of 25°C

(Point B)

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 5,70 | kW |
| Nominal absorbed power   | $D_B$   | 4,53 | kW |
| Declared COP             | $COP_B$ | 1,26 |    |

#### Parameters at full load and at a room temperature of 15°C

(Point C)

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_C$   | 6,81 | kW |
| Nominal absorbed power   | $D_C$   | 4,18 | kW |
| Declared COP             | $COP_C$ | 1,63 |    |

#### Parameters at full load and at a room temperature of 5°C

(Point D)

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_D$   | 8,62 | kW |
| Nominal absorbed power   | $D_D$   | 3,73 | kW |
| Declared COP             | $COP_D$ | 2,31 |    |

#### Parameters at full load and at a room temperature of 43°C

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 4,39 | kW |
| Nominal absorbed power   | $D_3$   | 4,62 | kW |
| Declared COP   | $COP_3$ | 0,95 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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|                     |                          |
|---------------------|--------------------------|
| Model               | EPTAMETIC- GN76 FRASCOLD |
| Refrigerating Fluid | R449a                    |

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,77  |       |

| Parameters at full load and at a room temperature of 32°C<br>(Point A) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_A$   | 6,61 | kW |
| Nominal absorbed power   | $D_A$   | 5,51 | kW |
| Declared COP   | $COP_A$ | 1,20 |    |

| Parameters at full load and at a room temperature of 25°C<br>(Point B) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_B$   | 7,37 | kW |
| Nominal absorbed power   | $D_B$   | 5,38 | kW |
| Declared COP   | $COP_B$ | 1,37 |    |

| Parameters at full load and at a room temperature of 15°C<br>(Point C) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_C$   | 8,63 | kW |
| Nominal absorbed power   | $D_C$   | 4,90 | kW |
| Declared COP   | $COP_C$ | 1,76 |    |

| Parameters at full load and at a room temperature of 5°C<br>(Point D) |         |       |    |
|---|---------|-------|----|
| Nominal cooling capacity  | $P_D$   | 10,22 | kW |
| Nominal absorbed power  | $D_D$   | 4,12  | kW |
| Declared COP  | $COP_D$ | 2,48  |    |

| Parameters at full load and at a room temperature of 43°C                  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 5,40 | kW |
| Nominal absorbed power   | $D_3$   | 5,35 | kW |
| Declared COP   | $COP_3$ | 1,01 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GN100 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,74  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 8,85 | kW |
| Nominal absorbed power   | $D_A$   | 7,44 | kW |
| Nominal COP              | $COP_A$ | 1,19 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 9,68 | kW |
| Nominal absorbed power   | $D_B$   | 7,17 | kW |
| Declared COP             | $COP_B$ | 1,35 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 11,09 | kW |
| Nominal absorbed power   | $D_C$   | 6,41  | kW |
| Declared COP             | $COP_C$ | 1,73  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 13,13 | kW |
| Nominal absorbed power   | $D_D$   | 5,47  | kW |
| Declared COP             | $COP_D$ | 2,40  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 7,44 | kW |
| Nominal absorbed power   | $D_3$   | 7,59 | kW |
| Declared COP   | $COP_3$ | 0,98 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GN150 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,63  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_A$   | 11,82 | kW |
| Nominal absorbed power   | $D_A$   | 10,28 | kW |
| Nominal COP              | $COP_A$ | 1,15  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 12,99 | kW |
| Nominal absorbed power   | $D_B$   | 9,91  | kW |
| Declared COP             | $COP_B$ | 1,31  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 15,19 | kW |
| Nominal absorbed power   | $D_C$   | 9,10  | kW |
| Declared COP             | $COP_C$ | 1,67  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 18,62 | kW |
| Nominal absorbed power   | $D_D$   | 8,47  | kW |
| Declared COP             | $COP_D$ | 2,20  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |              |      |    |
|--|--------------|------|----|
| Nominal cooling capacity   | $P_3$        | 9,85 | kW |
| Nominal absorbed power   | $D_3$        | 9,95 | kW |
| Declared COP   | $COP_3$      | 0,99 |    |
| Control of capacity  | <i>fixed</i> |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$        | 0,25 |    |

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Model

**EPTAMETIC- GN200 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,70  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 9,32 | kW |
| Nominal absorbed power   | $D_A$   | 7,90 | kW |
| Nominal COP              | $COP_A$ | 1,18 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 10,29 | kW |
| Nominal absorbed power   | $D_B$   | 7,68  | kW |
| Declared COP             | $COP_B$ | 1,34  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 11,91 | kW |
| Nominal absorbed power   | $D_C$   | 7,00  | kW |
| Declared COP             | $COP_C$ | 1,70  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 14,18 | kW |
| Nominal absorbed power   | $D_D$   | 6,08  | kW |
| Declared COP             | $COP_D$ | 2,33  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |              |      |    |
|--|--------------|------|----|
| Nominal cooling capacity   | $P_3$        | 7,66 | kW |
| Nominal absorbed power   | $D_3$        | 7,89 | kW |
| Declared COP   | $COP_3$      | 0,97 |    |
| Control of capacity  | <i>fixed</i> |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$        | 0,25 |    |

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Model

**EPTAMETIC- GN300 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -35°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 1,62  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_A$   | 13,25 | kW |
| Nominal absorbed power   | $D_A$   | 11,62 | kW |
| Nominal COP              | $COP_A$ | 1,14  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 14,50 | kW |
| Nominal absorbed power   | $D_B$   | 11,33 | kW |
| Declared COP             | $COP_B$ | 1,28  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 16,60 | kW |
| Nominal absorbed power   | $D_C$   | 10,31 | kW |
| Declared COP             | $COP_C$ | 1,61  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 19,37 | kW |
| Nominal absorbed power   | $D_D$   | 8,72  | kW |
| Declared COP             | $COP_D$ | 2,22  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |       |    |
|--|---------|-------|----|
| Nominal cooling capacity   | $P_3$   | 11,33 | kW |
| Nominal absorbed power   | $D_3$   | 11,44 | kW |
| Declared COP   | $COP_3$ | 0,99  |    |
| Control of capacity  | fixed   |       |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25  |    |

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| Model               | EPTAMETIC - GP05 FRASCOLD |
| Refrigerating Fluid | R449a                     |

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | x     |       |

| Parameters at full load and at a room temperature of 32°C<br>(Point A) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_A$   | 2,24 | kW |
| Nominal absorbed power   | $D_A$   | 1,11 | kW |
| Declared COP   | $COP_A$ | 2,01 |    |

| Parameters at full load and at a room temperature of 25°C<br>(Point B) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_B$   | 2,55 | kW |
| Nominal absorbed power   | $D_B$   | 1,07 | kW |
| Declared COP   | $COP_B$ | 2,39 |    |

| Parameters at full load and at a room temperature of 15°C<br>(Point C) |         |   |    |
|--|---------|---|----|
| Nominal cooling capacity   | $P_C$   | x | kW |
| Nominal absorbed power   | $D_C$   | x | kW |
| Declared COP   | $COP_C$ | x |    |

| Parameters at full load and at a room temperature of 5°C<br>(Point D) |         |   |    |
|---|---------|---|----|
| Nominal cooling capacity  | $P_D$   | x | kW |
| Nominal absorbed power  | $D_D$   | x | kW |
| Declared COP  | $COP_D$ | x |    |

| Parameters at full load and at a room temperature of 43°C                  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 1,82 | kW |
| Nominal absorbed power   | $D_3$   | 1,21 | kW |
| Declared COP   | $COP_3$ | 1,50 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GP10 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | x     |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 2,65 | kW |
| Nominal absorbed power   | $D_A$   | 1,29 | kW |
| Nominal COP              | $COP_A$ | 2,05 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 3,00 | kW |
| Nominal absorbed power   | $D_B$   | 1,21 | kW |
| Declared COP             | $COP_B$ | 2,48 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |   |    |
|--------------------------|---------|---|----|
| Nominal cooling capacity | $P_C$   | x | kW |
| Nominal absorbed power   | $D_C$   | x | kW |
| Declared COP             | $COP_C$ | x |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |   |    |
|--------------------------|---------|---|----|
| Nominal cooling capacity | $P_D$   | x | kW |
| Nominal absorbed power   | $D_D$   | x | kW |
| Declared COP             | $COP_D$ | x |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 2,13 | kW |
| Nominal absorbed power   | $D_3$   | 1,41 | kW |
| Declared COP   | $COP_3$ | 1,51 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   |      |    |
|  | 0,25    |      |    |

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Model

**EPTAMETIC- GP15 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | $t$    | -10°C | °C    |
| Annual consumption of electrical energy | $Q$    | x     | kWh/a |
| Seasonal energy efficiency ratio        | $SEPR$ | x     |       |

#### Parameters at full load and at a room temperature of 32°C

##### (Point A)

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 3,23 | kW |
| Nominal absorbed power   | $D_A$   | 1,66 | kW |
| Nominal COP              | $COP_A$ | 1,94 |    |

#### Parameters at full load and at a room temperature of 25°C

##### (Point B)

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 3,61 | kW |
| Nominal absorbed power   | $D_B$   | 1,58 | kW |
| Declared COP             | $COP_B$ | 2,28 |    |

#### Parameters at full load and at a room temperature of 15°C

##### (Point C)

|                          |         |   |    |
|--------------------------|---------|---|----|
| Nominal cooling capacity | $P_C$   | x | kW |
| Nominal absorbed power   | $D_C$   | x | kW |
| Declared COP             | $COP_C$ | x |    |

#### Parameters at full load and at a room temperature of 5°C

##### (Point D)

|                          |         |   |    |
|--------------------------|---------|---|----|
| Nominal cooling capacity | $P_D$   | x | kW |
| Nominal absorbed power   | $D_A$   | x | kW |
| Declared COP             | $COP_D$ | x |    |

#### Parameters at full load and at a room temperature of 43°C

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_3$   | 2,69 | kW |
| Nominal absorbed power   | $D_3$   | 1,82 | kW |
| Declared COP             | $COP_3$ | 1,48 |    |

|                     |       |  |  |
|---------------------|-------|--|--|
| Control of capacity | fixed |  |  |
|---------------------|-------|--|--|

|  |       |      |  |
|--|-------|------|--|
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$ | 0,25 |  |
|--|-------|------|--|

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|---------------------|--------------------------|
| Model               | EPTAMETIC- GP20 FRASCOLD |
| Refrigerating Fluid | R449a                    |

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | x     |       |

| Parameters at full load and at a room temperature of 32°C<br>(Point A) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_A$   | 4,27 | kW |
| Nominal absorbed power   | $D_A$   | 2,16 | kW |
| Declared COP   | $COP_A$ | 1,98 |    |

| Parameters at full load and at a room temperature of 25°C<br>(Point B) |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_B$   | 4,67 | kW |
| Nominal absorbed power   | $D_B$   | 2,00 | kW |
| Declared COP   | $COP_B$ | 2,34 |    |

| Parameters at full load and at a room temperature of 15°C<br>(Point C) |         |   |    |
|--|---------|---|----|
| Nominal cooling capacity   | $P_C$   | x | kW |
| Nominal absorbed power   | $D_C$   | x | kW |
| Declared COP   | $COP_C$ | x |    |

| Parameters at full load and at a room temperature of 5°C<br>(Point D) |         |   |    |
|---|---------|---|----|
| Nominal cooling capacity  | $P_D$   | x | kW |
| Nominal absorbed power  | $D_D$   | x | kW |
| Declared COP  | $COP_D$ | x |    |

| Parameters at full load and at a room temperature of 43°C                  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 3,55 | kW |
| Nominal absorbed power   | $D_3$   | 2,32 | kW |
| Declared COP   | $COP_3$ | 1,53 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GP25 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element  | Symbol      | Value | Unit  |
|--|-------------|-------|-------|
| <b>Evaporation temperature</b>                 | <i>t</i>    | -10°C | °C    |
| <b>Annual consumption of electrical energy</b> | <i>Q</i>    | x     | kWh/a |
| <b>Seasonal energy efficiency ratio</b>        | <i>SEPR</i> | 0,00  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>A</sub></i>   | 4,68 | kW |
| Nominal absorbed power   | <i>D<sub>A</sub></i>   | 2,45 | kW |
| Nominal COP              | <i>COP<sub>A</sub></i> | 1,91 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>B</sub></i>   | 5,09 | kW |
| Nominal absorbed power   | <i>D<sub>B</sub></i>   | 2,29 | kW |
| Declared COP             | <i>COP<sub>B</sub></i> | 2,22 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>C</sub></i>   | 0,00 | kW |
| Nominal absorbed power   | <i>D<sub>C</sub></i>   | 0,00 | kW |
| Declared COP             | <i>COP<sub>C</sub></i> | 0,00 |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>D</sub></i>   | 0,00 | kW |
| Nominal absorbed power   | <i>D<sub>A</sub></i>   | 0,00 | kW |
| Declared COP             | <i>COP<sub>D</sub></i> | 0,00 |    |

**Parameters at full load and at a room temperature of 43°C**

|  |                        |      |    |
|--|------------------------|------|----|
| Nominal cooling capacity   | <i>P<sub>3</sub></i>   | 3,96 | kW |
| Nominal absorbed power   | <i>D<sub>3</sub></i>   | 2,62 | kW |
| Declared COP   | <i>COP<sub>3</sub></i> | 1,51 |    |
| Control of capacity  | <i>fixed</i>           |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | <i>Cdc</i>             | 0,25 |    |

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Model

**EPTAMETIC- GP30 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element  | Symbol      | Value | Unit  |
|--|-------------|-------|-------|
| <b>Evaporation temperature</b>                 | <i>t</i>    | -10°C | °C    |
| <b>Annual consumption of electrical energy</b> | <i>Q</i>    | x     | kWh/a |
| <b>Seasonal energy efficiency ratio</b>        | <i>SEPR</i> | 2,47  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>A</sub></i>   | 6,94 | kW |
| Nominal absorbed power   | <i>D<sub>A</sub></i>   | 3,73 | kW |
| Nominal COP              | <i>COP<sub>A</sub></i> | 1,86 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>B</sub></i>   | 7,65 | kW |
| Nominal absorbed power   | <i>D<sub>B</sub></i>   | 3,51 | kW |
| Declared COP             | <i>COP<sub>B</sub></i> | 2,18 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |                        |      |    |
|--------------------------|------------------------|------|----|
| Nominal cooling capacity | <i>P<sub>C</sub></i>   | 8,87 | kW |
| Nominal absorbed power   | <i>D<sub>C</sub></i>   | 3,30 | kW |
| Declared COP             | <i>COP<sub>C</sub></i> | 2,69 |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |                        |       |    |
|--------------------------|------------------------|-------|----|
| Nominal cooling capacity | <i>P<sub>D</sub></i>   | 10,37 | kW |
| Nominal absorbed power   | <i>D<sub>A</sub></i>   | 3,20  | kW |
| Declared COP             | <i>COP<sub>D</sub></i> | 3,24  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |                        |      |    |
|--|------------------------|------|----|
| Nominal cooling capacity   | <i>P<sub>3</sub></i>   | 6,03 | kW |
| Nominal absorbed power   | <i>D<sub>3</sub></i>   | 4,21 | kW |
| Declared COP   | <i>COP<sub>3</sub></i> | 1,43 |    |
| Control of capacity  | <i>fixed</i>           |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | <i>Cdc</i>             | 0,25 |    |

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Model

**EPTAMETIC- GP40 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 2,68  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 8,91 | kW |
| Nominal absorbed power   | $D_A$   | 4,54 | kW |
| Nominal COP              | $COP_A$ | 1,96 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_B$   | 9,67 | kW |
| Nominal absorbed power   | $D_B$   | 4,22 | kW |
| Declared COP             | $COP_B$ | 2,29 |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 10,80 | kW |
| Nominal absorbed power   | $D_C$   | 3,75  | kW |
| Declared COP             | $COP_C$ | 2,88  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 12,22 | kW |
| Nominal absorbed power   | $D_D$   | 3,41  | kW |
| Declared COP             | $COP_D$ | 3,58  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 7,54 | kW |
| Nominal absorbed power   | $D_3$   | 4,99 | kW |
| Declared COP   | $COP_3$ | 1,51 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GP47 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 2,79  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |      |    |
|--------------------------|---------|------|----|
| Nominal cooling capacity | $P_A$   | 9,58 | kW |
| Nominal absorbed power   | $D_A$   | 4,52 | kW |
| Nominal COP              | $COP_A$ | 2,12 |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 10,52 | kW |
| Nominal absorbed power   | $D_B$   | 4,26  | kW |
| Declared COP             | $COP_B$ | 2,47  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 12,10 | kW |
| Nominal absorbed power   | $D_C$   | 3,99  | kW |
| Declared COP             | $COP_C$ | 3,03  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 13,99 | kW |
| Nominal absorbed power   | $D_D$   | 3,82  | kW |
| Declared COP             | $COP_D$ | 3,66  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |              |      |    |
|--|--------------|------|----|
| Nominal cooling capacity   | $P_3$        | 8,29 | kW |
| Nominal absorbed power   | $D_3$        | 4,99 | kW |
| Declared COP   | $COP_3$      | 1,66 |    |
| Control of capacity  | <i>fixed</i> |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$        | 0,25 |    |

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Model

**EPTAMETIC- GP50 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 3,10  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_A$   | 11,38 | kW |
| Nominal absorbed power   | $D_A$   | 5,08  | kW |
| Nominal COP              | $COP_A$ | 2,24  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 12,72 | kW |
| Nominal absorbed power   | $D_B$   | 4,78  | kW |
| Declared COP             | $COP_B$ | 2,66  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 14,99 | kW |
| Nominal absorbed power   | $D_C$   | 4,46  | kW |
| Declared COP             | $COP_C$ | 3,36  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 17,74 | kW |
| Nominal absorbed power   | $D_D$   | 4,21  | kW |
| Declared COP             | $COP_D$ | 4,21  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |      |    |
|--|---------|------|----|
| Nominal cooling capacity   | $P_3$   | 9,58 | kW |
| Nominal absorbed power   | $D_3$   | 5,64 | kW |
| Declared COP   | $COP_3$ | 1,70 |    |
| Control of capacity  | fixed   |      |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25 |    |

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Model

**EPTAMETIC- GP75 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element  | Symbol      | Value        | Unit  |
|--|-------------|--------------|-------|
| <b>Evaporation temperature</b>                 | <b>t</b>    | <b>-10°C</b> | °C    |
| <b>Annual consumption of electrical energy</b> | <b>Q</b>    | <b>x</b>     | kWh/a |
| <b>Seasonal energy efficiency ratio</b>        | <b>SEPR</b> | <b>2,80</b>  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |              |    |
|--------------------------|---------|--------------|----|
| Nominal cooling capacity | $P_A$   | <b>16,03</b> | kW |
| Nominal absorbed power   | $D_A$   | <b>7,70</b>  | kW |
| Nominal COP              | $COP_A$ | <b>2,08</b>  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |              |    |
|--------------------------|---------|--------------|----|
| Nominal cooling capacity | $P_B$   | <b>17,46</b> | kW |
| Nominal absorbed power   | $D_B$   | <b>7,22</b>  | kW |
| Declared COP             | $COP_B$ | <b>2,42</b>  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |              |    |
|--------------------------|---------|--------------|----|
| Nominal cooling capacity | $P_C$   | <b>19,59</b> | kW |
| Nominal absorbed power   | $D_C$   | <b>6,53</b>  | kW |
| Declared COP             | $COP_C$ | <b>3,00</b>  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |              |    |
|--------------------------|---------|--------------|----|
| Nominal cooling capacity | $P_D$   | <b>22,32</b> | kW |
| Nominal absorbed power   | $D_D$   | <b>5,97</b>  | kW |
| Declared COP             | $COP_D$ | <b>3,74</b>  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |              |              |    |
|--|--------------|--------------|----|
| Nominal cooling capacity   | $P_3$        | <b>13,38</b> | kW |
| Nominal absorbed power   | $D_3$        | <b>8,21</b>  | kW |
| Declared COP   | $COP_3$      | <b>1,63</b>  |    |
| Control of capacity  | <i>fixed</i> |              |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$        | <b>0,25</b>  |    |

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Model

**EPTAMETIC- GP100 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 2,91  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_A$   | 19,93 | kW |
| Nominal absorbed power   | $D_A$   | 9,27  | kW |
| Nominal COP              | $COP_A$ | 2,15  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 21,82 | kW |
| Nominal absorbed power   | $D_B$   | 8,73  | kW |
| Declared COP             | $COP_B$ | 2,50  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 24,75 | kW |
| Nominal absorbed power   | $D_C$   | 7,91  | kW |
| Declared COP             | $COP_C$ | 3,13  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 28,52 | kW |
| Nominal absorbed power   | $D_D$   | 7,35  | kW |
| Declared COP             | $COP_D$ | 3,88  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |       |    |
|--|---------|-------|----|
| Nominal cooling capacity   | $P_3$   | 16,63 | kW |
| Nominal absorbed power   | $D_3$   | 9,78  | kW |
| Declared COP   | $COP_3$ | 1,70  |    |
| Control of capacity  | fixed   |       |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   |       |    |
|  | 0,25    |       |    |

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Model

**EPTAMETIC- GP150 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 2,96  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_A$   | 27,01 | kW |
| Nominal absorbed power   | $D_A$   | 12,50 | kW |
| Nominal COP              | $COP_A$ | 2,16  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 29,12 | kW |
| Nominal absorbed power   | $D_B$   | 11,51 | kW |
| Declared COP             | $COP_B$ | 2,53  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 32,58 | kW |
| Nominal absorbed power   | $D_C$   | 10,21 | kW |
| Declared COP             | $COP_C$ | 3,19  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 37,48 | kW |
| Nominal absorbed power   | $D_D$   | 9,54  | kW |
| Declared COP             | $COP_D$ | 3,93  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |              |       |    |
|--|--------------|-------|----|
| Nominal cooling capacity   | $P_3$        | 23,18 | kW |
| Nominal absorbed power   | $D_3$        | 13,64 | kW |
| Declared COP   | $COP_3$      | 1,70  |    |
| Control of capacity  | <i>fixed</i> |       |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$        |       |    |
|  | 0,25         |       |    |

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Model

**EPTAMETIC- GP200 FRASCOLD**

Refrigerating Fluid

**R449a**

| Element                                 | Symbol | Value | Unit  |
|---|--------|-------|-------|
| Evaporation temperature                 | t      | -10°C | °C    |
| Annual consumption of electrical energy | Q      | x     | kWh/a |
| Seasonal energy efficiency ratio        | SEPR   | 2,80  |       |

**Parameters at full load and at a room temperature of 32°C  
(Point A)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_A$   | 28,52 | kW |
| Nominal absorbed power   | $D_A$   | 13,33 | kW |
| Nominal COP              | $COP_A$ | 2,14  |    |

**Parameters at full load and at a room temperature of 25°C  
(Point B)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_B$   | 31,31 | kW |
| Nominal absorbed power   | $D_B$   | 12,57 | kW |
| Declared COP             | $COP_B$ | 2,49  |    |

**Parameters at full load and at a room temperature of 15°C  
(Point C)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_C$   | 36,03 | kW |
| Nominal absorbed power   | $D_C$   | 11,81 | kW |
| Declared COP             | $COP_C$ | 3,05  |    |

**Parameters at full load and at a room temperature of 5°C  
(Point D)**

|                          |         |       |    |
|--------------------------|---------|-------|----|
| Nominal cooling capacity | $P_D$   | 41,87 | kW |
| Nominal absorbed power   | $D_D$   | 11,47 | kW |
| Declared COP             | $COP_D$ | 3,65  |    |

**Parameters at full load and at a room temperature of 43°C**

|  |         |       |    |
|--|---------|-------|----|
| Nominal cooling capacity   | $P_3$   | 24,68 | kW |
| Nominal absorbed power   | $D_3$   | 14,78 | kW |
| Declared COP   | $COP_3$ | 1,67  |    |
| Control of capacity  | fixed   |       |    |
| Degradation coefficient of the units with a fixed and progressive capacity | $Cdc$   | 0,25  |    |



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