

MISAMETIC BITZER R407F

**TABELLE DI EFFICIENZA
ENERGETICA**

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|--|-------------------------------|--------------|-------|
| Model | MISAMETIC- GN18 BITZER | | |
| Refrigerating Fluid | R407F | | |
| 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 | 1,40 | kW |
| Nominal absorbed power | D_A | 1,16 | kW |
| Nominal COP | COP_A | 1,21 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 1,58 | kW |
| Nominal absorbed power | D_B | 1,15 | kW |
| Declared COP | COP_B | 1,38 | |
| 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 | 1,11 | kW |
| Nominal absorbed power | D_3 | 1,14 | 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 | MISAMETIC- GN28 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,61 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 1,81 | kW |
| Nominal absorbed power | D_A | 1,42 | kW |
| Nominal COP | COP_A | 1,27 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_B | 2,08 | kW |
| Nominal absorbed power | D_B | 1,42 | kW |
| Declared COP | COP_B | 1,46 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_C | 2,46 | kW |
| Nominal absorbed power | D_C | 1,40 | kW |
| Declared COP | COP_C | 1,76 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|-------------|----|
| Nominal cooling capacity | P_D | 2,85 | kW |
| Nominal absorbed power | D_A | 1,34 | kW |
| Declared COP | COP_D | 2,12 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 1,38 | kW |
| Nominal absorbed power | D_3 | 1,36 | kW |
| Declared COP | COP_3 | 1,01 | |

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| Control of capacity | <i>fixed</i> | | |
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| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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|--|-------------------------------|--------------|-------|
| Model | MISAMETIC- GN40 BITZER | | |
| Refrigerating Fluid | R407F | | |
| Element | Symbol | Value | Unit |
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,67 | |
| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
| Nominal cooling capacity | P_A | 2,32 | kW |
| Nominal absorbed power | D_A | 1,81 | kW |
| Nominal COP | COP_A | 1,28 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 2,64 | kW |
| Nominal absorbed power | D_B | 1,80 | kW |
| Declared COP | COP_B | 1,46 | |
| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
| Nominal cooling capacity | P_C | 3,08 | kW |
| Nominal absorbed power | D_C | 1,75 | kW |
| Declared COP | COP_C | 1,76 | |
| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
| Nominal cooling capacity | P_D | 3,52 | kW |
| Nominal absorbed power | D_A | 1,66 | kW |
| Declared COP | COP_D | 2,12 | |
| Parameters at full load and at a room temperature of 43°C | | | |
| Nominal cooling capacity | P_3 | 1,83 | kW |
| Nominal absorbed power | D_3 | 1,80 | kW |
| Declared COP | COP_3 | 1,02 | |
| 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 | MISAMETIC- GN41 BITZER | | |
| Refrigerating Fluid | R407F | | |
| 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 (Point A) | | | |
| Nominal cooling capacity | P_A | 2,48 | kW |
| Nominal absorbed power | D_A | 1,94 | kW |
| Nominal COP | COP_A | 1,28 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 2,84 | kW |
| Nominal absorbed power | D_B | 1,93 | kW |
| Declared COP | COP_B | 1,47 | |
| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
| Nominal cooling capacity | P_C | 3,35 | kW |
| Nominal absorbed power | D_C | 1,89 | kW |
| Declared COP | COP_C | 1,77 | |
| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
| Nominal cooling capacity | P_D | 3,84 | kW |
| Nominal absorbed power | D_A | 1,87 | kW |
| Declared COP | COP_D | 2,05 | |
| Parameters at full load and at a room temperature of 43°C | | | |
| Nominal cooling capacity | P_3 | 1,95 | kW |
| Nominal absorbed power | D_3 | 1,93 | kW |
| Declared COP | COP_3 | 1,01 | |
| 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 | MISAMETIC- GN50 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,66 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 3,09 | kW |
| Nominal absorbed power | D_A | 2,42 | kW |
| Nominal COP | COP_A | 1,28 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_B | 3,54 | kW |
| Nominal absorbed power | D_B | 2,39 | kW |
| Declared COP | COP_B | 1,48 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_C | 4,19 | kW |
| Nominal absorbed power | D_C | 2,36 | kW |
| Declared COP | COP_C | 1,78 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|-------------|----|
| Nominal cooling capacity | P_D | 4,82 | kW |
| Nominal absorbed power | D_A | 2,34 | kW |
| Declared COP | COP_D | 2,06 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 2,41 | kW |
| Nominal absorbed power | D_3 | 2,39 | kW |
| Declared COP | COP_3 | 1,01 | |

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| Control of capacity | <i>fixed</i> | | |
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| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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| | |
|---------------------|-------------------------------|
| Model | MISAMETIC- GN70 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,47 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 3,65 | kW |
| Nominal absorbed power | D_A | 3,15 | kW |
| Nominal COP | COP_A | 1,16 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_B | 4,19 | kW |
| Nominal absorbed power | D_B | 3,13 | 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 | 4,97 | kW |
| Nominal absorbed power | D_C | 3,09 | 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 | 5,72 | kW |
| Nominal absorbed power | D_A | 2,96 | kW |
| Declared COP | COP_D | 1,93 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 2,83 | kW |
| Nominal absorbed power | D_3 | 3,07 | kW |
| Declared COP | COP_3 | 0,92 | |

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| Control of capacity | <i>fixed</i> | | |
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| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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|--|-------------------------------|--------------|-------|
| Model | MISAMETIC- GN75 BITZER | | |
| Refrigerating Fluid | R407F | | |
| Element | Symbol | Value | Unit |
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,61 | |
| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
| Nominal cooling capacity | P_A | 4,19 | kW |
| Nominal absorbed power | D_A | 3,46 | kW |
| Nominal COP | COP_A | 1,21 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 4,96 | kW |
| Nominal absorbed power | D_B | 3,54 | kW |
| Declared COP | COP_B | 1,40 | |
| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
| Nominal cooling capacity | P_C | 6,07 | kW |
| Nominal absorbed power | D_C | 3,59 | kW |
| Declared COP | COP_C | 1,69 | |
| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
| Nominal cooling capacity | P_D | 7,18 | kW |
| Nominal absorbed power | D_A | 3,54 | kW |
| Declared COP | COP_D | 2,03 | |
| Parameters at full load and at a room temperature of 43°C | | | |
| Nominal cooling capacity | P_3 | 2,97 | kW |
| Nominal absorbed power | D_3 | 3,23 | kW |
| Declared COP | COP_3 | 0,92 | |
| 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 | MISAMETIC- GN76 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,68 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 5,41 | kW |
| Nominal absorbed power | D_A | 4,22 | kW |
| Nominal COP | COP_A | 1,28 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_B | 6,32 | kW |
| Nominal absorbed power | D_B | 4,27 | kW |
| Declared COP | COP_B | 1,48 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_C | 7,63 | kW |
| Nominal absorbed power | D_C | 4,26 | kW |
| Declared COP | COP_C | 1,79 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|-------------|----|
| Nominal cooling capacity | P_D | 8,92 | kW |
| Nominal absorbed power | D_A | 4,15 | kW |
| Declared COP | COP_D | 2,15 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 3,96 | kW |
| Nominal absorbed power | D_3 | 4,00 | kW |
| Declared COP | COP_3 | 0,99 | |

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| Control of capacity | <i>fixed</i> | | |
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| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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| Model | MISAMETIC- GN100 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,48 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 5,80 | kW |
| Nominal absorbed power | D_A | 5,05 | 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 | 6,94 | kW |
| Nominal absorbed power | D_B | 5,18 | 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 | 8,58 | kW |
| Nominal absorbed power | D_C | 5,23 | kW |
| Declared COP | COP_C | 1,64 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|--------------|----|
| Nominal cooling capacity | P_D | 10,20 | kW |
| Nominal absorbed power | D_A | 5,18 | kW |
| Declared COP | COP_D | 1,97 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 4,02 | kW |
| Nominal absorbed power | D_3 | 4,62 | kW |
| Declared COP | COP_3 | 0,87 | |

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| Control of capacity | <i>fixed</i> | | |
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| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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|---------------------|--------------------------------|
| Model | MISAMETIC- GN150 BITZER |
| Refrigerating Fluid | R407F |

| 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 | 10,36 | kW |
| Nominal absorbed power | D_A | 9,01 | 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 | 11,84 | kW |
| Nominal absorbed power | D_B | 8,91 | kW |
| Declared COP | COP_B | 1,33 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 14,01 | kW |
| Nominal absorbed power | D_C | 8,65 | kW |
| Declared COP | COP_C | 1,62 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|--------------|----|
| Nominal cooling capacity | P_D | 16,15 | kW |
| Nominal absorbed power | D_A | 8,32 | kW |
| Declared COP | COP_D | 1,94 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 8,11 | kW |
| Nominal absorbed power | D_3 | 9,11 | kW |
| Declared COP | COP_3 | 0,89 | |

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|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
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|--|-------|-------------|--|
| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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|---|--------------------------------|--------------|-------|
| Model | MISAMETIC- GN200 BITZER | | |
| Refrigerating Fluid | R407F | | |
| Element | Symbol | Value | Unit |
| Evaporation temperature | t | -35°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 1,64 | |
| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
| Nominal cooling capacity | P_A | 7,21 | kW |
| Nominal absorbed power | D_A | 6,00 | kW |
| Nominal COP | COP_A | 1,20 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 8,46 | kW |
| Nominal absorbed power | D_B | 6,09 | kW |
| Declared COP | COP_B | 1,39 | |
| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
| Nominal cooling capacity | P_C | 10,26 | kW |
| Nominal absorbed power | D_C | 6,11 | kW |
| Declared COP | COP_C | 1,68 | |
| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
| Nominal cooling capacity | P_D | 12,05 | kW |
| Nominal absorbed power | D_A | 5,97 | kW |
| Declared COP | COP_D | 2,02 | |
| Parameters at full load and at a room temperature of 43°C | | | |
| Nominal cooling capacity | P_3 | 5,24 | kW |
| Nominal absorbed power | D_3 | 5,63 | 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 | MISAMETIC- GN300 BITZER |
| Refrigerating Fluid | R407F |

| 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 | 12,45 | kW |
| Nominal absorbed power | D_A | 10,46 | 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 | 14,11 | kW |
| Nominal absorbed power | D_B | 10,30 | kW |
| Declared COP | COP_B | 1,37 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 16,52 | kW |
| Nominal absorbed power | D_C | 9,89 | 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 | 18,90 | kW |
| Nominal absorbed power | D_A | 9,40 | kW |
| Declared COP | COP_D | 2,01 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_3 | 9,94 | kW |
| Nominal absorbed power | D_3 | 10,81 | kW |
| Declared COP | COP_3 | 0,92 | |

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|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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|--|-------|-------------|--|
| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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|--|-------------------------------|--------------|-------|
| Model | MISAMETIC- GP05 BITZER | | |
| Refrigerating Fluid | R407F | | |
| 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 | 2,08 | kW |
| Nominal absorbed power | D_A | 0,97 | 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 | 2,31 | kW |
| Nominal absorbed power | D_B | 0,92 | kW |
| Declared COP | COP_B | 2,51 | |
| 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 | 1,73 | kW |
| Nominal absorbed power | D_3 | 1,02 | 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 | |

| | |
|---------------------|-------------------------------|
| Model | MISAMETIC- GP10 BITZER |
| Refrigerating Fluid | R407F |

| 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 | 2,69 | kW |
| Nominal absorbed power | D_A | 1,27 | 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 | 2,96 | kW |
| Nominal absorbed power | D_B | 1,20 | 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 | 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 | 2,27 | kW |
| Nominal absorbed power | D_3 | 1,36 | kW |
| Declared COP | COP_3 | 1,67 | |

| | | | |
|---------------------|--------------|--|--|
| 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 | MISAMETIC- GP15 BITZER | | |
| Refrigerating Fluid | R407F | | |
| 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 | 3,39 | kW |
| Nominal absorbed power | D_A | 1,62 | kW |
| Nominal COP | COP_A | 2,09 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 3,72 | kW |
| Nominal absorbed power | D_B | 1,53 | kW |
| Declared COP | COP_B | 2,43 | |
| 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 | 2,88 | kW |
| Nominal absorbed power | D_3 | 1,75 | kW |
| Declared COP | COP_3 | 1,65 | |
| Control of capacity | <i>fixed</i> | | |
| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |

| | |
|---------------------|-------------------------------|
| Model | MISAMETIC- GP20 BITZER |
| Refrigerating Fluid | R404A |

| 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 | 4,68 | kW |
| Nominal absorbed power | D_A | 2,35 | kW |
| Nominal COP | COP_A | 1,99 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_B | 5,30 | kW |
| Nominal absorbed power | D_B | 2,22 | kW |
| Declared COP | COP_B | 2,39 | |

| 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 | 3,76 | kW |
| Nominal absorbed power | D_3 | 2,57 | kW |
| Declared COP | COP_3 | 1,46 | |

| | | | |
|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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

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|---------------------|-------------------------------|
| Model | MISAMETIC- GP25 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 2,95 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 5,55 | kW |
| Nominal absorbed power | D_A | 2,57 | 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 | 6,12 | kW |
| Nominal absorbed power | D_B | 2,44 | kW |
| Declared COP | COP_B | 2,51 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_C | 6,94 | kW |
| Nominal absorbed power | D_C | 2,21 | kW |
| Declared COP | COP_C | 3,14 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|-------------|----|
| Nominal cooling capacity | P_D | 7,78 | kW |
| Nominal absorbed power | D_A | 1,94 | kW |
| Declared COP | COP_D | 4,02 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 4,68 | kW |
| Nominal absorbed power | D_3 | 2,74 | kW |
| Declared COP | COP_3 | 1,71 | |

| | | | |
|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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

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| | |
|---------------------|-------------------------------|
| Model | MISAMETIC- GP30 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 2,87 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 8,17 | kW |
| Nominal absorbed power | D_A | 3,93 | kW |
| Nominal COP | COP_A | 2,08 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_B | 8,98 | kW |
| Nominal absorbed power | D_B | 3,69 | kW |
| Declared COP | COP_B | 2,43 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 10,14 | kW |
| Nominal absorbed power | D_C | 3,32 | 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 | 11,31 | kW |
| Nominal absorbed power | D_A | 2,89 | kW |
| Declared COP | COP_D | 3,91 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 6,94 | kW |
| Nominal absorbed power | D_3 | 4,21 | kW |
| Declared COP | COP_3 | 1,65 | |

| | | | |
|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |
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|---------------------|-------------------------------|
| Model | MISAMETIC- GP40 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 3,00 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_A | 9,12 | kW |
| Nominal absorbed power | D_A | 4,18 | kW |
| Nominal COP | COP_A | 2,18 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_B | 10,02 | kW |
| Nominal absorbed power | D_B | 3,93 | kW |
| Declared COP | COP_B | 2,55 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 11,32 | kW |
| Nominal absorbed power | D_C | 3,54 | kW |
| Declared COP | COP_C | 3,20 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|--------------|----|
| Nominal cooling capacity | P_D | 12,62 | kW |
| Nominal absorbed power | D_A | 3,11 | kW |
| Declared COP | COP_D | 4,06 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 7,74 | kW |
| Nominal absorbed power | D_3 | 4,50 | kW |
| Declared COP | COP_3 | 1,72 | |

| | | | |
|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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

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| | |
|---------------------|-------------------------------|
| Model | MISAMETIC- GP47 BITZER |
| Refrigerating Fluid | R404A |

| 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 | 11,67 | kW |
| Nominal absorbed power | D_A | 5,43 | 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 | 12,83 | kW |
| Nominal absorbed power | D_B | 5,11 | kW |
| Declared COP | COP_B | 2,51 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 14,48 | kW |
| Nominal absorbed power | D_C | 4,58 | kW |
| Declared COP | COP_C | 3,16 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|--------------|----|
| Nominal cooling capacity | P_D | 16,12 | kW |
| Nominal absorbed power | D_A | 4,02 | kW |
| Declared COP | COP_D | 4,01 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|-------------|----|
| Nominal cooling capacity | P_3 | 9,89 | kW |
| Nominal absorbed power | D_3 | 5,85 | kW |
| Declared COP | COP_3 | 1,69 | |

| | | | |
|---------------------|--------------|--|--|
| 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 | MISAMETIC- GP50 BITZER | | |
| Refrigerating Fluid | R407F | | |
| Element | Symbol | Value | Unit |
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 3,25 | |
| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
| Nominal cooling capacity | P_A | 13,77 | kW |
| Nominal absorbed power | D_A | 5,96 | kW |
| Nominal COP | COP_A | 2,31 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 15,16 | kW |
| Nominal absorbed power | D_B | 5,59 | kW |
| Declared COP | COP_B | 2,71 | |
| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
| Nominal cooling capacity | P_C | 17,15 | kW |
| Nominal absorbed power | D_C | 4,98 | kW |
| Declared COP | COP_C | 3,44 | |
| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
| Nominal cooling capacity | P_D | 19,13 | kW |
| Nominal absorbed power | D_A | 4,28 | kW |
| Declared COP | COP_D | 4,47 | |
| Parameters at full load and at a room temperature of 43°C | | | |
| Nominal cooling capacity | P_3 | 11,65 | kW |
| Nominal absorbed power | D_3 | 6,40 | kW |
| Declared COP | COP_3 | 1,82 | |
| Control of capacity | <i>fixed</i> | | |
| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |

| | |
|---------------------|-------------------------------|
| Model | MISAMETIC- GP75 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 3,25 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_A | 16,53 | kW |
| Nominal absorbed power | D_A | 7,55 | kW |
| Nominal COP | COP_A | 2,19 | |

| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_B | 18,14 | kW |
| Nominal absorbed power | D_B | 7,11 | kW |
| Declared COP | COP_B | 2,55 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 20,45 | kW |
| Nominal absorbed power | D_C | 6,41 | 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 | 22,78 | kW |
| Nominal absorbed power | D_A | 5,57 | kW |
| Declared COP | COP_D | 4,09 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_3 | 14,04 | kW |
| Nominal absorbed power | D_3 | 8,12 | kW |
| Declared COP | COP_3 | 1,73 | |

| | | | |
|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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

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| | |
|---------------------|--------------------------------|
| Model | MISAMETIC- GP100 BITZER |
| Refrigerating Fluid | R407F |

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 3,25 | |

| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_A | 20,87 | kW |
| Nominal absorbed power | D_A | 9,66 | 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 | 23,04 | kW |
| Nominal absorbed power | D_B | 9,14 | kW |
| Declared COP | COP_B | 2,52 | |

| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 26,18 | kW |
| Nominal absorbed power | D_C | 8,26 | kW |
| Declared COP | COP_C | 3,17 | |

| Parameters at full load and at a room temperature of 5°C (Point D) | | | |
|---|---------------------------|--------------|----|
| Nominal cooling capacity | P_D | 29,38 | kW |
| Nominal absorbed power | D_A | 7,22 | kW |
| Declared COP | COP_D | 4,07 | |

| Parameters at full load and at a room temperature of 43°C | | | |
|--|---------------------------|--------------|----|
| Nominal cooling capacity | P_3 | 17,55 | kW |
| Nominal absorbed power | D_3 | 10,32 | kW |
| Declared COP | COP_3 | 1,70 | |

| | | | |
|---------------------|--------------|--|--|
| Control of capacity | <i>fixed</i> | | |
|---------------------|--------------|--|--|

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

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|--|--------------------------------|--------------|-------|
| Model | MISAMETIC- GP150 BITZER | | |
| Refrigerating Fluid | R407F | | |
| Element | Symbol | Value | Unit |
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 3,16 | |
| Parameters at full load and at a room temperature of 32°C (Point A) | | | |
| Nominal cooling capacity | P_A | 24,89 | kW |
| Nominal absorbed power | D_A | 10,97 | kW |
| Nominal COP | COP_A | 2,27 | |
| Parameters at full load and at a room temperature of 25°C (Point B) | | | |
| Nominal cooling capacity | P_B | 27,61 | kW |
| Nominal absorbed power | D_B | 10,42 | kW |
| Declared COP | COP_B | 2,65 | |
| Parameters at full load and at a room temperature of 15°C (Point C) | | | |
| Nominal cooling capacity | P_C | 31,53 | kW |
| Nominal absorbed power | D_C | 9,38 | 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 | 35,49 | kW |
| Nominal absorbed power | D_A | 8,18 | kW |
| Declared COP | COP_D | 4,34 | |
| Parameters at full load and at a room temperature of 43°C | | | |
| Nominal cooling capacity | P_3 | 20,71 | kW |
| Nominal absorbed power | D_3 | 11,63 | kW |
| Declared COP | COP_3 | 1,78 | |
| Control of capacity | <i>fixed</i> | | |
| Degradation coefficient of the units with a fixed and progressive capacity | Cdc | 0,25 | |

Model **MISAMETIC- GP200 BITZER**

Refrigerating Fluid **R407F**

| Element | Symbol | Value | Unit |
|--|--------|--------------|-------|
| Evaporation temperature | t | -10°C | °C |
| Annual consumption of electrical energy | Q | x | kWh/a |
| Seasonal energy efficiency ratio | $SEPR$ | 3,26 | |

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

| | | | |
|--------------------------|---------------------------|--------------|----|
| Nominal cooling capacity | P_A | 29,78 | kW |
| Nominal absorbed power | D_A | 12,89 | kW |
| Nominal COP | COP_A | 2,31 | |

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

| | | | |
|--------------------------|---------------------------|--------------|----|
| Nominal cooling capacity | P_B | 32,89 | kW |
| Nominal absorbed power | D_B | 12,09 | kW |
| Declared COP | COP_B | 2,72 | |

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

| | | | |
|--------------------------|---------------------------|--------------|----|
| Nominal cooling capacity | P_C | 37,39 | kW |
| Nominal absorbed power | D_C | 10,81 | kW |
| Declared COP | COP_C | 3,46 | |

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

| | | | |
|--------------------------|---------------------------|--------------|----|
| Nominal cooling capacity | P_D | 41,94 | kW |
| Nominal absorbed power | D_A | 9,30 | kW |
| Declared COP | COP_D | 4,51 | |

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

| | | | |
|--------------------------|---------------------------|--------------|----|
| Nominal cooling capacity | P_3 | 24,97 | kW |
| Nominal absorbed power | D_3 | 13,80 | kW |
| Declared COP | COP_3 | 1,81 | |

Control of capacity *fixed*

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

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