

# **MISAMETIC FRASCOLD R449a**

**ENERGY EFFICIENCY  
DATA SHEETS**

Model	<b>MISAMETIC- GN18 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-35°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>1,33</b>	kW
Nominal absorbed power	$D_A$	<b>1,31</b>	kW
<b>Nominal COP</b>	$COP_A$	<b>1,02</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>1,43</b>	kW
Nominal absorbed power	$D_B$	<b>1,22</b>	kW
<b>Declared COP</b>	$COP_B$	<b>1,17</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>x</b>	kW
Nominal absorbed power	$D_C$	<b>x</b>	kW
<b>Declared COP</b>	$COP_C$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>x</b>	kW
Nominal absorbed power	$D_A$	<b>x</b>	kW
<b>Declared COP</b>	$COP_D$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>1,17</b>	kW
Nominal absorbed power	$D_3$	<b>1,41</b>	kW
<b>Declared COP</b>	$COP_3$	<b>0,83</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	<b>MISAMETIC- GN28 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

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

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

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

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

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,17</b>	kW
Nominal absorbed power	$D_3$	<b>2,28</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,95</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN40 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>2,55</b>	kW
Nominal absorbed power	$D_A$	<b>2,29</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,11</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>2,83</b>	kW
Nominal absorbed power	$D_B$	<b>2,21</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,28</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>3,34</b>	kW
Nominal absorbed power	$D_C$	<b>2,00</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,67</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>4,03</b>	kW
Nominal absorbed power	$D_A$	<b>2,16</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,43</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,12</b>	kW
Nominal absorbed power	$D_3$	<b>2,28</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,93</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN41 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-35°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>1,57</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>3,10</b>	kW
Nominal absorbed power	$D_A$	<b>2,74</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,13</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>3,35</b>	kW
Nominal absorbed power	$D_B$	<b>2,66</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,26</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>3,87</b>	kW
Nominal absorbed power	$D_C$	<b>2,45</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,58</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>4,65</b>	kW
Nominal absorbed power	$D_A$	<b>2,20</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,11</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,76</b>	kW
Nominal absorbed power	$D_3$	<b>2,79</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,99</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	<b>MISAMETIC- GN50 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-35°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>1,69</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>3,23</b>	kW
Nominal absorbed power	$D_A$	<b>3,02</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,07</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>3,66</b>	kW
Nominal absorbed power	$D_B$	<b>2,93</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,25</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>4,40</b>	kW
Nominal absorbed power	$D_C$	<b>2,64</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,67</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>5,40</b>	kW
Nominal absorbed power	$D_A$	<b>2,16</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,50</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,56</b>	kW
Nominal absorbed power	$D_3$	<b>0,87</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,85</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	<b>MISAMETIC- GN70 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>4,23</b>	kW
Nominal absorbed power	$D_A$	<b>4,03</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,05</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>4,71</b>	kW
Nominal absorbed power	$D_B$	<b>3,89</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,21</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>5,55</b>	kW
Nominal absorbed power	$D_C$	<b>3,52</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,58</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>6,73</b>	kW
Nominal absorbed power	$D_A$	<b>2,91</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,31</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>3,51</b>	kW
Nominal absorbed power	$D_3$	<b>3,95</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,89</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN75 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>5,20</b>	kW
Nominal absorbed power	$D_A$	<b>4,68</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,11</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>5,70</b>	kW
Nominal absorbed power	$D_B$	<b>4,53</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,26</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>6,81</b>	kW
Nominal absorbed power	$D_C$	<b>4,18</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,63</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>8,62</b>	kW
Nominal absorbed power	$D_A$	<b>3,73</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,31</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>4,39</b>	kW
Nominal absorbed power	$D_3$	<b>4,62</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,95</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN76 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-35°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>1,77</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>6,61</b>	kW
Nominal absorbed power	$D_A$	<b>5,51</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,20</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>7,37</b>	kW
Nominal absorbed power	$D_B$	<b>5,38</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,37</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>8,63</b>	kW
Nominal absorbed power	$D_C$	<b>4,90</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,76</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>10,22</b>	kW
Nominal absorbed power	$D_A$	<b>4,12</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,48</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>5,40</b>	kW
Nominal absorbed power	$D_3$	<b>5,35</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,01</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	<b>MISAMETIC- GN100 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>8,85</b>	kW
Nominal absorbed power	$D_A$	<b>7,44</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,19</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>9,68</b>	kW
Nominal absorbed power	$D_B$	<b>7,17</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,35</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>11,09</b>	kW
Nominal absorbed power	$D_C$	<b>6,41</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,73</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>13,13</b>	kW
Nominal absorbed power	$D_A$	<b>5,47</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,40</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>7,44</b>	kW
Nominal absorbed power	$D_3$	<b>7,59</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,98</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN150 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>11,82</b>	kW
Nominal absorbed power	$D_A$	<b>10,28</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,15</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>12,99</b>	kW
Nominal absorbed power	$D_B$	<b>9,91</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,31</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>15,19</b>	kW
Nominal absorbed power	$D_C$	<b>9,10</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,67</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>18,62</b>	kW
Nominal absorbed power	$D_A$	<b>8,47</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,20</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>9,85</b>	kW
Nominal absorbed power	$D_3$	<b>9,95</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,99</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN200 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>9,32</b>	kW
Nominal absorbed power	$D_A$	<b>7,90</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,18</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>10,29</b>	kW
Nominal absorbed power	$D_B$	<b>7,68</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,34</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>11,91</b>	kW
Nominal absorbed power	$D_C$	<b>7,00</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,70</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>14,18</b>	kW
Nominal absorbed power	$D_A$	<b>6,08</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,33</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>7,66</b>	kW
Nominal absorbed power	$D_3$	<b>7,89</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,97</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GN300 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-35°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>1,62</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>13,25</b>	kW
Nominal absorbed power	$D_A$	<b>11,62</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,14</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>14,50</b>	kW
Nominal absorbed power	$D_B$	<b>11,33</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,28</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>16,60</b>	kW
Nominal absorbed power	$D_C$	<b>10,31</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,61</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>19,37</b>	kW
Nominal absorbed power	$D_A$	<b>8,72</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,22</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>11,33</b>	kW
Nominal absorbed power	$D_3$	<b>11,44</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,99</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	<b>MISAMETIC - GP05 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>2,24</b>	kW
Nominal absorbed power	$D_A$	<b>1,11</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,01</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>2,55</b>	kW
Nominal absorbed power	$D_B$	<b>1,07</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,39</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>x</b>	kW
Nominal absorbed power	$D_C$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>x</b>	kW
Nominal absorbed power	$D_A$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>1,82</b>	kW
Nominal absorbed power	$D_3$	<b>1,21</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,50</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	<b>MISAMETIC- GP10 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>2,65</b>	kW
Nominal absorbed power	$D_A$	<b>1,29</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,05</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>3,00</b>	kW
Nominal absorbed power	$D_B$	<b>1,21</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,48</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>x</b>	kW
Nominal absorbed power	$D_C$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>x</b>	kW
Nominal absorbed power	$D_A$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,13</b>	kW
Nominal absorbed power	$D_3$	<b>1,41</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,51</b>	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	

Model	<b>MISAMETIC- GP15 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>3,23</b>	kW
Nominal absorbed power	$D_A$	<b>1,66</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,94</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>3,61</b>	kW
Nominal absorbed power	$D_B$	<b>1,58</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,28</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>x</b>	kW
Nominal absorbed power	$D_C$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>x</b>	kW
Nominal absorbed power	$D_A$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,69</b>	kW
Nominal absorbed power	$D_3$	<b>1,82</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,48</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	<b>MISAMETIC- GP20 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>x</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>4,27</b>	kW
Nominal absorbed power	$D_A$	<b>2,16</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,98</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>4,67</b>	kW
Nominal absorbed power	$D_B$	<b>2,00</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,34</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>x</b>	kW
Nominal absorbed power	$D_C$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>x</b>	kW
Nominal absorbed power	$D_A$	<b>x</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>x</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>3,55</b>	kW
Nominal absorbed power	$D_3$	<b>2,32</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,53</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	<b>MISAMETIC- GP25 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>4,68</b>	kW
Nominal absorbed power	$D_A$	<b>2,45</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,91</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>5,09</b>	kW
Nominal absorbed power	$D_B$	<b>2,29</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,22</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>0,00</b>	kW
Nominal absorbed power	$D_C$	<b>0,00</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>0,00</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>0,00</b>	kW
Nominal absorbed power	$D_A$	<b>0,00</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>0,00</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>3,96</b>	kW
Nominal absorbed power	$D_3$	<b>2,62</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,51</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GP30 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>6,94</b>	kW
Nominal absorbed power	$D_A$	<b>3,73</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,86</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>7,65</b>	kW
Nominal absorbed power	$D_B$	<b>3,51</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,18</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>8,87</b>	kW
Nominal absorbed power	$D_C$	<b>3,30</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>2,69</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>10,37</b>	kW
Nominal absorbed power	$D_A$	<b>3,20</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,24</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>6,03</b>	kW
Nominal absorbed power	$D_3$	<b>4,21</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,43</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GP40 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>8,91</b>	kW
Nominal absorbed power	$D_A$	<b>4,54</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,96</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>9,67</b>	kW
Nominal absorbed power	$D_B$	<b>4,22</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,29</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>10,80</b>	kW
Nominal absorbed power	$D_C$	<b>3,75</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>2,88</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>12,22</b>	kW
Nominal absorbed power	$D_A$	<b>3,41</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,58</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>7,54</b>	kW
Nominal absorbed power	$D_3$	<b>4,99</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,51</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GP47 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>2,79</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>9,58</b>	kW
Nominal absorbed power	$D_A$	<b>4,52</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,12</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>10,52</b>	kW
Nominal absorbed power	$D_B$	<b>4,26</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,47</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>12,10</b>	kW
Nominal absorbed power	$D_C$	<b>3,99</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,03</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>13,99</b>	kW
Nominal absorbed power	$D_A$	<b>3,82</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,66</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>8,29</b>	kW
Nominal absorbed power	$D_3$	<b>4,99</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,66</b>	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	

Model	<b>MISAMETIC- GP50 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>11,38</b>	kW
Nominal absorbed power	$D_A$	<b>5,08</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,24</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>12,72</b>	kW
Nominal absorbed power	$D_B$	<b>4,78</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,66</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>14,99</b>	kW
Nominal absorbed power	$D_C$	<b>4,46</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,36</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>17,74</b>	kW
Nominal absorbed power	$D_A$	<b>4,21</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>4,21</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>9,58</b>	kW
Nominal absorbed power	$D_3$	<b>5,64</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,70</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Via Monachelle Vecchia 7  
00071 Pomezia (RM)  
Italy

Model	<b>MISAMETIC- GP75 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>2,80</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>16,03</b>	kW
Nominal absorbed power	$D_A$	<b>7,70</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,08</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>17,46</b>	kW
Nominal absorbed power	$D_B$	<b>7,22</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,42</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>19,59</b>	kW
Nominal absorbed power	$D_C$	<b>6,53</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,00</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>22,32</b>	kW
Nominal absorbed power	$D_A$	<b>5,97</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,74</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>13,38</b>	kW
Nominal absorbed power	$D_3$	<b>8,21</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<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	<b>MISAMETIC- GP100 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>19,93</b>	kW
Nominal absorbed power	$D_A$	<b>9,27</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,15</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>21,82</b>	kW
Nominal absorbed power	$D_B$	<b>8,73</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,50</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>24,75</b>	kW
Nominal absorbed power	$D_C$	<b>7,91</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,13</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>28,52</b>	kW
Nominal absorbed power	$D_A$	<b>7,35</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,88</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>16,63</b>	kW
Nominal absorbed power	$D_3$	<b>9,78</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,70</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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Model	<b>MISAMETIC- GP150 FRASCOLD</b>		
Refrigerating Fluid	<b>R449a</b>		
Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	$t$	<b>-10°C</b>	°C
<b>Annual consumption of electrical energy</b>	$Q$	<b>x</b>	kWh/a
<b>Seasonal energy efficiency ratio</b>	$SEPR$	<b>2,96</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>27,01</b>	kW
Nominal absorbed power	$D_A$	<b>12,50</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,16</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>29,12</b>	kW
Nominal absorbed power	$D_B$	<b>11,51</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,53</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>32,58</b>	kW
Nominal absorbed power	$D_C$	<b>10,21</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,19</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>37,48</b>	kW
Nominal absorbed power	$D_A$	<b>9,54</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,93</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>23,18</b>	kW
Nominal absorbed power	$D_3$	<b>13,64</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,70</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	<b>MISAMETIC- GP200 FRASCOLD</b>
Refrigerating Fluid	<b>R449a</b>

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

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>28,52</b>	kW
Nominal absorbed power	$D_A$	<b>13,33</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>2,14</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>31,31</b>	kW
Nominal absorbed power	$D_B$	<b>12,57</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,49</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>36,03</b>	kW
Nominal absorbed power	$D_C$	<b>11,81</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,05</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>41,87</b>	kW
Nominal absorbed power	$D_A$	<b>11,47</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,65</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>24,68</b>	kW
Nominal absorbed power	$D_3$	<b>14,78</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,67</b>	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	<b>0,25</b>	
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