

# **MISAMETIC FRASCOLD R452a**

**ENERGY EFFICIENCY  
DATA SHEETS**

Model	<b>MISAMETIC- GN18 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>1,28</b>	kW
Nominal absorbed power	$D_A$	<b>1,26</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<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>1,45</b>	kW
Nominal absorbed power	$D_B$	<b>1,22</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,19</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>1,00</b>	kW
Nominal absorbed power	$D_3$	<b>1,31</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,76</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>R452a</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>1,45</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>2,31</b>	kW
Nominal absorbed power	$D_A$	<b>2,08</b>	kW
<b>Nominal COP</b>	$COP_A$	<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>2,60</b>	kW
Nominal absorbed power	$D_B$	<b>2,02</b>	kW
<b>Declared COP</b>	$COP_B$	<b>1,29</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>2,97</b>	kW
Nominal absorbed power	$D_C$	<b>1,93</b>	kW
<b>Declared COP</b>	$COP_C$	<b>1,54</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>3,24</b>	kW
Nominal absorbed power	$D_A$	<b>1,83</b>	kW
<b>Declared COP</b>	$COP_D$	<b>1,77</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>1,86</b>	kW
Nominal absorbed power	$D_3$	<b>2,21</b>	kW
<b>Declared COP</b>	$COP_3$	<b>0,84</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- GN40 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>2,45</b>	kW
Nominal absorbed power	$D_A$	<b>2,13</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>2,82</b>	kW
Nominal absorbed power	$D_B$	<b>2,09</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>3,26</b>	kW
Nominal absorbed power	$D_C$	<b>2,04</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,60</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>3,53</b>	kW
Nominal absorbed power	$D_A$	<b>2,16</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,83</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>1,86</b>	kW
Nominal absorbed power	$D_3$	<b>2,19</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- GN41 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>1,44</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>2,95</b>	kW
Nominal absorbed power	$D_A$	<b>2,56</b>	kW
<b>Nominal COP</b>	$COP_A$	<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>3,32</b>	kW
Nominal absorbed power	$D_B$	<b>2,51</b>	kW
<b>Declared COP</b>	$COP_B$	<b>1,32</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>3,78</b>	kW
Nominal absorbed power	$D_C$	<b>2,46</b>	kW
<b>Declared COP</b>	$COP_C$	<b>1,54</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>4,09</b>	kW
Nominal absorbed power	$D_A$	<b>2,36</b>	kW
<b>Declared COP</b>	$COP_D$	<b>1,73</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>2,35</b>	kW
Nominal absorbed power	$D_3$	<b>2,67</b>	kW
<b>Declared COP</b>	$COP_3$	<b>0,88</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>R452a</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>3,44</b>	kW
Nominal absorbed power	$D_A$	<b>2,82</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,22</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>3,97</b>	kW
Nominal absorbed power	$D_B$	<b>2,77</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,43</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>4,61</b>	kW
Nominal absorbed power	$D_C$	<b>2,68</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,72</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>5,00</b>	kW
Nominal absorbed power	$D_A$	<b>2,50</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>2,00</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>0,89</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>R452a</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>1,51</b>	

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>4,46</b>	kW
Nominal absorbed power	$D_A$	<b>3,78</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>5,07</b>	kW
Nominal absorbed power	$D_B$	<b>3,72</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,36</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>5,78</b>	kW
Nominal absorbed power	$D_C$	<b>3,59</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>6,17</b>	kW
Nominal absorbed power	$D_A$	<b>3,37</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,83</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>3,46</b>	kW
Nominal absorbed power	$D_3$	<b>3,85</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,90</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>R452a</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>1,53</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>				
Nominal cooling capacity		$P_A$	<b>5,28</b>	kW
Nominal absorbed power		$D_A$	<b>4,40</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>5,97</b>	kW
Nominal absorbed power		$D_B$	<b>4,33</b>	kW
<b>Declared COP</b>		<b><math>COP_B</math></b>	<b>1,38</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>				
Nominal cooling capacity		$P_C$	<b>6,85</b>	kW
Nominal absorbed power		$D_C$	<b>4,20</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>7,50</b>	kW
Nominal absorbed power		$D_A$	<b>4,03</b>	kW
<b>Declared COP</b>		<b><math>COP_D</math></b>	<b>1,86</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>				
Nominal cooling capacity		$P_3$	<b>4,21</b>	kW
Nominal absorbed power		$D_3$	<b>4,53</b>	kW
<b>Declared COP</b>		<b><math>COP_3</math></b>	<b>0,93</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- GN76 FRASCOLD</b>
Refrigerating Fluid	<b>R452a</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>1,66</b>	

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>6,78</b>	kW
Nominal absorbed power	$D_A$	<b>5,10</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,33</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>7,73</b>	kW
Nominal absorbed power	$D_B$	<b>5,05</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,53</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>8,80</b>	kW
Nominal absorbed power	$D_C$	<b>4,92</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,79</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>9,24</b>	kW
Nominal absorbed power	$D_A$	<b>4,69</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,97</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>5,20</b>	kW
Nominal absorbed power	$D_3$	<b>5,09</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,02</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- GN100 FRASCOLD</b>
Refrigerating Fluid	<b>R452a</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>1,58</b>	

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>8,64</b>	kW
Nominal absorbed power	$D_A$	<b>6,97</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,24</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>9,72</b>	kW
Nominal absorbed power	$D_B$	<b>6,75</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,44</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>10,99</b>	kW
Nominal absorbed power	$D_C$	<b>6,46</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>11,61</b>	kW
Nominal absorbed power	$D_A$	<b>6,17</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,88</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>6,71</b>	kW
Nominal absorbed power	$D_3$	<b>7,21</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- GN150 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>11,84</b>	kW
Nominal absorbed power	$D_A$	<b>9,71</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,22</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>13,41</b>	kW
Nominal absorbed power	$D_B$	<b>9,51</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,41</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>15,21</b>	kW
Nominal absorbed power	$D_C$	<b>9,16</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,66</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>16,07</b>	kW
Nominal absorbed power	$D_A$	<b>8,88</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,81</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>9,16</b>	kW
Nominal absorbed power	$D_3$	<b>9,85</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,93</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- GN200 FRASCOLD</b>
Refrigerating Fluid	<b>R452a</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>1,59</b>	

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>9,36</b>	kW
Nominal absorbed power	$D_A$	<b>7,49</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,25</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>10,60</b>	kW
Nominal absorbed power	$D_B$	<b>7,31</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>1,45</b>	

<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>12,07</b>	kW
Nominal absorbed power	$D_C$	<b>7,06</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,71</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>12,93</b>	kW
Nominal absorbed power	$D_A$	<b>6,80</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,90</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>7,20</b>	kW
Nominal absorbed power	$D_3$	<b>7,66</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,94</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>R452a</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>1,44</b>	

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>12,95</b>	kW
Nominal absorbed power	$D_A$	<b>10,97</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>14,60</b>	kW
Nominal absorbed power	$D_B$	<b>10,81</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>16,31</b>	kW
Nominal absorbed power	$D_C$	<b>10,52</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>1,55</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>16,60</b>	kW
Nominal absorbed power	$D_A$	<b>10,00</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>1,66</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>10,16</b>	kW
Nominal absorbed power	$D_3$	<b>11,16</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>0,91</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 - GP05 FRASCOLD</b>
Refrigerating Fluid	<b>R452a</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>2,28</b>	kW
Nominal absorbed power	$D_A$	<b>1,17</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>2,62</b>	kW
Nominal absorbed power	$D_B$	<b>1,12</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>1,79</b>	kW
Nominal absorbed power	$D_3$	<b>1,26</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,42</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- GP10 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>	$COP_A$	<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>	$COP_B$	<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>	$COP_C$	<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>2,13</b>	kW
Nominal absorbed power	$D_3$	<b>1,41</b>	kW
<b>Declared COP</b>	$COP_3$	<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>R452a</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>1,74</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,85</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>3,70</b>	kW
Nominal absorbed power	$D_B$	<b>1,68</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,20</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>2,61</b>	kW
Nominal absorbed power	$D_3$	<b>1,88</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,39</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>R452a</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>4,19</b>	kW
Nominal absorbed power	$D_A$	<b>2,20</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,90</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>2,08</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,26</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>3,36</b>	kW
Nominal absorbed power	$D_3$	<b>2,37</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,42</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- GP25 FRASCOLD</b>
Refrigerating Fluid	<b>R452a</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>4,64</b>	kW
Nominal absorbed power	$D_A$	<b>2,52</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,84</b>	

<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>5,19</b>	kW
Nominal absorbed power	$D_B$	<b>2,39</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,17</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>3,82</b>	kW
Nominal absorbed power	$D_3$	<b>2,69</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,42</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>R452a</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>2,45</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>				
Nominal cooling capacity		$P_A$	<b>6,91</b>	kW
Nominal absorbed power		$D_A$	<b>3,93</b>	kW
<b>Nominal COP</b>		<b><math>COP_A</math></b>	<b>1,76</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>				
Nominal cooling capacity		$P_B$	<b>7,74</b>	kW
Nominal absorbed power		$D_B$	<b>3,72</b>	kW
<b>Declared COP</b>		<b><math>COP_B</math></b>	<b>2,08</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>				
Nominal cooling capacity		$P_C$	<b>9,00</b>	kW
Nominal absorbed power		$D_C$	<b>3,41</b>	kW
<b>Declared COP</b>		<b><math>COP_C</math></b>	<b>2,64</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>				
Nominal cooling capacity		$P_D$	<b>10,29</b>	kW
Nominal absorbed power		$D_A$	<b>3,07</b>	kW
<b>Declared COP</b>		<b><math>COP_D</math></b>	<b>3,35</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>				
Nominal cooling capacity		$P_3$	<b>5,71</b>	kW
Nominal absorbed power		$D_3$	<b>4,26</b>	kW
<b>Declared COP</b>		<b><math>COP_3</math></b>	<b>1,34</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- GP40 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>2,63</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>8,72</b>	kW
Nominal absorbed power	$D_A$	<b>4,64</b>	kW
<b>Nominal COP</b>	<b><math>COP_A</math></b>	<b>1,88</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>9,72</b>	kW
Nominal absorbed power	$D_B$	<b>4,38</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>11,14</b>	kW
Nominal absorbed power	$D_C$	<b>3,95</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>2,82</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>12,43</b>	kW
Nominal absorbed power	$D_A$	<b>3,47</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>7,20</b>	kW
Nominal absorbed power	$D_3$	<b>5,07</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,42</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- GP47 FRASCOLD</b>
Refrigerating Fluid	<b>R452a</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>2,89</b>	

<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>9,75</b>	kW
Nominal absorbed power	$D_A$	<b>4,75</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>10,81</b>	kW
Nominal absorbed power	$D_B$	<b>4,46</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>12,25</b>	kW
Nominal absorbed power	$D_C$	<b>3,99</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,07</b>	

<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>13,51</b>	kW
Nominal absorbed power	$D_A$	<b>3,41</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>3,96</b>	

<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>8,08</b>	kW
Nominal absorbed power	$D_3$	<b>5,15</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,57</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- GP50 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>3,23</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>11,64</b>	kW
Nominal absorbed power	$D_A$	<b>5,39</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>13,12</b>	kW
Nominal absorbed power	$D_B$	<b>5,05</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,60</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>15,24</b>	kW
Nominal absorbed power	$D_C$	<b>4,47</b>	kW
<b>Declared COP</b>	<b><math>COP_C</math></b>	<b>3,41</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>17,30</b>	kW
Nominal absorbed power	$D_A$	<b>3,72</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>4,65</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>9,42</b>	kW
Nominal absorbed power	$D_3$	<b>5,85</b>	kW
<b>Declared COP</b>	<b><math>COP_3</math></b>	<b>1,61</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- GP75 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>15,61</b>	kW
Nominal absorbed power	$D_A$	<b>7,84</b>	kW
<b>Nominal COP</b>	$COP_A$	<b>1,99</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>17,48</b>	kW
Nominal absorbed power	$D_B$	<b>7,47</b>	kW
<b>Declared COP</b>	$COP_B$	<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>20,15</b>	kW
Nominal absorbed power	$D_C$	<b>6,88</b>	kW
<b>Declared COP</b>	$COP_C$	<b>2,93</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>22,69</b>	kW
Nominal absorbed power	$D_A$	<b>6,08</b>	kW
<b>Declared COP</b>	$COP_D$	<b>3,73</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>12,74</b>	kW
Nominal absorbed power	$D_3$	<b>8,38</b>	kW
<b>Declared COP</b>	$COP_3$	<b>1,52</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>R452a</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>2,85</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>19,57</b>	kW
Nominal absorbed power	$D_A$	<b>9,50</b>	kW
<b>Nominal COP</b>	$COP_A$	<b>2,06</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>22,04</b>	kW
Nominal absorbed power	$D_B$	<b>9,07</b>	kW
<b>Declared COP</b>	$COP_B$	<b>2,43</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>25,58</b>	kW
Nominal absorbed power	$D_C$	<b>8,36</b>	kW
<b>Declared COP</b>	$COP_C$	<b>3,06</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>28,98</b>	kW
Nominal absorbed power	$D_A$	<b>7,41</b>	kW
<b>Declared COP</b>	$COP_D$	<b>3,91</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>15,83</b>	kW
Nominal absorbed power	$D_3$	<b>10,02</b>	kW
<b>Declared COP</b>	$COP_3$	<b>1,58</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- GP150 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>2,97</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>26,97</b>	kW
Nominal absorbed power	$D_A$	<b>12,72</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>29,92</b>	kW
Nominal absorbed power	$D_B$	<b>11,92</b>	kW
<b>Declared COP</b>	<b><math>COP_B</math></b>	<b>2,51</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>33,94</b>	kW
Nominal absorbed power	$D_C$	<b>10,64</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>9,32</b>	kW
<b>Declared COP</b>	<b><math>COP_D</math></b>	<b>4,02</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>22,36</b>	kW
Nominal absorbed power	$D_3$	<b>13,72</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- GP200 FRASCOLD</b>		
Refrigerating Fluid	<b>R452a</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>2,88</b>	
<b>Parameters at full load and at a room temperature of 32°C (Point A)</b>			
Nominal cooling capacity	$P_A$	<b>29,07</b>	kW
Nominal absorbed power	$D_A$	<b>14,11</b>	kW
<b>Nominal COP</b>	$COP_A$	<b>2,06</b>	
<b>Parameters at full load and at a room temperature of 25°C (Point B)</b>			
Nominal cooling capacity	$P_B$	<b>32,22</b>	kW
Nominal absorbed power	$D_B$	<b>13,26</b>	kW
<b>Declared COP</b>	$COP_B$	<b>2,43</b>	
<b>Parameters at full load and at a room temperature of 15°C (Point C)</b>			
Nominal cooling capacity	$P_C$	<b>36,62</b>	kW
Nominal absorbed power	$D_C$	<b>11,89</b>	kW
<b>Declared COP</b>	$COP_C$	<b>3,08</b>	
<b>Parameters at full load and at a room temperature of 5°C (Point D)</b>			
Nominal cooling capacity	$P_D$	<b>40,70</b>	kW
Nominal absorbed power	$D_A$	<b>10,41</b>	kW
<b>Declared COP</b>	$COP_D$	<b>3,91</b>	
<b>Parameters at full load and at a room temperature of 43°C</b>			
Nominal cooling capacity	$P_3$	<b>24,13</b>	kW
Nominal absorbed power	$D_3$	<b>15,18</b>	kW
<b>Declared COP</b>	$COP_3$	<b>1,59</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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