



# EPTAMETIC FRASCOLD R448A

## ENERGY EFFICIENCY DATA SHEETS

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

N° DOC. Im000104  
REV. “-” - 04.04.17

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Model

**EPTAMETIC- GN18 FRASCOLD**

Refrigerating Fluid

**R448a**

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	$P_A$	1,28	kW
Nominal absorbed power	$D_A$	1,31	kW
Nominal COP	$COP_A$	0,98	

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

Nominal cooling capacity	$P_B$	1,37	kW
Nominal absorbed power	$D_B$	1,22	kW
Declared COP	$COP_B$	1,12	

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

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

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

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

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

Nominal cooling capacity	$P_3$	1,17	kW
Nominal absorbed power	$D_3$	1,44	kW
Declared COP	$COP_3$	0,81	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$		
	0,25		

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Model	EPTAMETIC- GN28 FRASCOLD
Refrigerating Fluid	R448a

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,56	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	$P_A$	2,37	kW
Nominal absorbed power	$D_A$	2,18	kW
Declared COP	$COP_A$	1,09	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	$P_B$	2,50	kW
Nominal absorbed power	$D_B$	2,02	kW
Declared COP	$COP_B$	1,24	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	$P_C$	2,96	kW
Nominal absorbed power	$D_C$	1,86	kW
Declared COP	$COP_C$	1,59	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	$P_D$	3,91	kW
Nominal absorbed power	$D_D$	1,85	kW
Declared COP	$COP_D$	2,11	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	$P_3$	2,14	kW
Nominal absorbed power	$D_3$	2,43	kW
Declared COP	$COP_3$	0,88	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model	EPTAMETIC- GN40 FRASCOLD
Refrigerating Fluid	R448a

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,58	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	$P_A$	2,40	kW
Nominal absorbed power	$D_A$	2,24	kW
Declared COP	$COP_A$	1,07	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	$P_B$	2,62	kW
Nominal absorbed power	$D_B$	2,10	kW
Declared COP	$COP_B$	1,25	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	$P_C$	3,21	kW
Nominal absorbed power	$D_C$	1,97	kW
Declared COP	$COP_C$	1,63	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	$P_D$	4,30	kW
Nominal absorbed power	$D_D$	2,16	kW
Declared COP	$COP_D$	2,16	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	$P_3$	2,00	kW
Nominal absorbed power	$D_3$	2,44	kW
Declared COP	$COP_3$	0,82	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model	EPTAMETIC- GN41 FRASCOLD
Refrigerating Fluid	R448a

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,52	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	$P_A$	2,94	kW
Nominal absorbed power	$D_A$	2,69	kW
Declared COP	$COP_A$	1,09	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	$P_B$	3,13	kW
Nominal absorbed power	$D_B$	2,52	kW
Declared COP	$COP_B$	1,24	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	$P_C$	3,68	kW
Nominal absorbed power	$D_C$	2,36	kW
Declared COP	$COP_C$	1,56	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	$P_D$	4,78	kW
Nominal absorbed power	$D_D$	2,35	kW
Declared COP	$COP_D$	2,03	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	$P_3$	2,57	kW
Nominal absorbed power	$D_3$	2,92	kW
Declared COP	$COP_3$	0,88	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GN50 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,78	

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

Nominal cooling capacity	$P_A$	2,94	kW
Nominal absorbed power	$D_A$	2,51	kW
Nominal COP	$COP_A$	1,17	

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

Nominal cooling capacity	$P_B$	3,40	kW
Nominal absorbed power	$D_B$	2,48	kW
Declared COP	$COP_B$	1,37	

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

Nominal cooling capacity	$P_C$	4,06	kW
Nominal absorbed power	$D_C$	2,37	kW
Declared COP	$COP_C$	1,71	

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

Nominal cooling capacity	$P_D$	4,75	kW
Nominal absorbed power	$D_D$	2,24	kW
Declared COP	$COP_D$	2,12	

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

Nominal cooling capacity	$P_3$	2,16	kW
Nominal absorbed power	$D_3$	0,87	kW
Declared COP	$COP_3$	1,06	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GN70 FRASCOLD**

Refrigerating Fluid

**R449a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,64	

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

(Point A)

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

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

(Point B)

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

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

(Point C)

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

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

(Point D)

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

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

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

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Model

**EPTAMETIC- GN75 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	<i>t</i>	-35°C	°C
<b>Annual consumption of electrical energy</b>	<i>Q</i>	x	kWh/a
<b>Seasonal energy efficiency ratio</b>	<i>SEPR</i>	1,55	

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

Nominal cooling capacity	<i>P<sub>A</sub></i>	4,66	kW
Nominal absorbed power	<i>D<sub>A</sub></i>	3,91	kW
Nominal COP	<i>COP<sub>A</sub></i>	1,19	

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

Nominal cooling capacity	<i>P<sub>B</sub></i>	5,28	kW
Nominal absorbed power	<i>D<sub>B</sub></i>	3,88	kW
Declared COP	<i>COP<sub>B</sub></i>	1,36	

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

Nominal cooling capacity	<i>P<sub>C</sub></i>	6,18	kW
Nominal absorbed power	<i>D<sub>C</sub></i>	3,79	kW
Declared COP	<i>COP<sub>C</sub></i>	1,63	

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

Nominal cooling capacity	<i>P<sub>D</sub></i>	7,12	kW
Nominal absorbed power	<i>D<sub>A</sub></i>	3,63	kW
Declared COP	<i>COP<sub>D</sub></i>	1,96	

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

Nominal cooling capacity	<i>P<sub>3</sub></i>	3,68	kW
Nominal absorbed power	<i>D<sub>3</sub></i>	3,96	kW
Declared COP	<i>COP<sub>3</sub></i>	0,93	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>		
	0,25		

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Model	EPTAMETIC- GN76 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	$P_A$	6,95	kW
Nominal absorbed power	$D_A$	5,35	kW
Declared COP	$COP_A$	1,30	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	$P_B$	7,45	kW
Nominal absorbed power	$D_B$	5,07	kW
Declared COP	$COP_B$	1,47	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	$P_C$	8,74	kW
Nominal absorbed power	$D_C$	4,80	kW
Declared COP	$COP_C$	1,82	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	$P_D$	11,22	kW
Nominal absorbed power	$D_D$	4,82	kW
Declared COP	$COP_D$	2,33	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	$P_3$	5,94	kW
Nominal absorbed power	$D_3$	5,60	kW
Declared COP	$COP_3$	1,06	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GN100 FRASCOLD**

Refrigerating Fluid

**R448a**

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	$P_A$	8,53	kW
Nominal absorbed power	$D_A$	7,35	kW
Nominal COP	$COP_A$	1,16	

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

Nominal cooling capacity	$P_B$	9,10	kW
Nominal absorbed power	$D_B$	6,79	kW
Declared COP	$COP_B$	1,34	

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

Nominal cooling capacity	$P_C$	10,71	kW
Nominal absorbed power	$D_C$	6,30	kW
Declared COP	$COP_C$	1,70	

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

Nominal cooling capacity	$P_D$	13,98	kW
Nominal absorbed power	$D_D$	6,30	kW
Declared COP	$COP_D$	2,22	

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

Nominal cooling capacity	$P_3$	7,30	kW
Nominal absorbed power	$D_3$	7,94	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

**EPTAMETIC- GN150 FRASCOLD**

Refrigerating Fluid

**R448a**

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	$P_A$	12,07	kW
Nominal absorbed power	$D_A$	10,23	kW
Nominal COP	$COP_A$	1,18	

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

Nominal cooling capacity	$P_B$	12,89	kW
Nominal absorbed power	$D_B$	9,62	kW
Declared COP	$COP_B$	1,34	

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

Nominal cooling capacity	$P_C$	15,14	kW
Nominal absorbed power	$D_C$	8,96	kW
Declared COP	$COP_C$	1,69	

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

Nominal cooling capacity	$P_D$	19,66	kW
Nominal absorbed power	$D_D$	9,02	kW
Declared COP	$COP_D$	2,18	

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

Nominal cooling capacity	$P_3$	10,35	kW
Nominal absorbed power	$D_3$	10,90	kW
Declared COP	$COP_3$	0,95	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$		
	0,25		

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Model

**EPTAMETIC- GN200 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,71	

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

Nominal cooling capacity	$P_A$	9,67	kW
Nominal absorbed power	$D_A$	7,80	kW
Nominal COP	$COP_A$	1,24	

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

Nominal cooling capacity	$P_B$	10,26	kW
Nominal absorbed power	$D_B$	7,33	kW
Declared COP	$COP_B$	1,40	

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

Nominal cooling capacity	$P_C$	11,91	kW
Nominal absorbed power	$D_C$	6,85	kW
Declared COP	$COP_C$	1,74	

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

Nominal cooling capacity	$P_D$	15,33	kW
Nominal absorbed power	$D_D$	6,81	kW
Declared COP	$COP_D$	2,25	

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

Nominal cooling capacity	$P_3$	7,78	kW
Nominal absorbed power	$D_3$	8,36	kW
Declared COP	$COP_3$	0,93	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GN300 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	1,56	

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

Nominal cooling capacity	$P_A$	13,37	kW
Nominal absorbed power	$D_A$	11,43	kW
Nominal COP	$COP_A$	1,17	

**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	$D_B$	10,86	kW
Declared COP	$COP_B$	1,30	

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

Nominal cooling capacity	$P_C$	16,36	kW
Nominal absorbed power	$D_C$	10,23	kW
Declared COP	$COP_C$	1,60	

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

Nominal cooling capacity	$P_D$	21,02	kW
Nominal absorbed power	$D_D$	10,30	kW
Declared COP	$COP_D$	2,04	

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

Nominal cooling capacity	$P_3$	11,85	kW
Nominal absorbed power	$D_3$	12,09	kW
Declared COP	$COP_3$	0,98	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$		
	0,25		

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Refrigerating Fluid	R449a

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

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

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

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

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

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

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Model

**EPTAMETIC- GP10 FRASCOLD**

Refrigerating Fluid

**R448a**

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

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

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

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

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

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

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

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

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

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

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

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Model

**EPTAMETIC- GP15 FRASCOLD**

Refrigerating Fluid

**R448a**

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	$P_A$	3,25	kW
Nominal absorbed power	$D_A$	1,68	kW
Nominal COP	$COP_A$	1,93	

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

Nominal cooling capacity	$P_B$	3,57	kW
Nominal absorbed power	$D_B$	1,59	kW
Declared COP	$COP_B$	2,25	

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

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

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

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

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

Nominal cooling capacity	$P_3$	2,72	kW
Nominal absorbed power	$D_3$	1,79	kW
Declared COP	$COP_3$	1,52	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$		
	0,25		

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Model	EPTAMETIC- GP20 FRASCOLD
Refrigerating Fluid	R448a

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	$P_A$	4,16	kW
Nominal absorbed power	$D_A$	2,12	kW
Declared COP	$COP_A$	1,96	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	$P_B$	4,56	kW
Nominal absorbed power	$D_B$	1,98	kW
Declared COP	$COP_B$	2,31	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	$P_3$	3,45	kW
Nominal absorbed power	$D_3$	2,28	kW
Declared COP	$COP_3$	1,51	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GP25 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	3,03	

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

Nominal cooling capacity	$P_A$	4,59	kW
Nominal absorbed power	$D_A$	2,42	kW
Nominal COP	$COP_A$	1,90	

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

Nominal cooling capacity	$P_B$	5,02	kW
Nominal absorbed power	$D_B$	2,27	kW
Declared COP	$COP_B$	2,21	

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

Nominal cooling capacity	$P_C$	6,35	kW
Nominal absorbed power	$D_C$	1,97	kW
Declared COP	$COP_C$	3,22	

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

Nominal cooling capacity	$P_D$	7,03	kW
Nominal absorbed power	$D_D$	1,70	kW
Declared COP	$COP_D$	4,14	

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

Nominal cooling capacity	$P_3$	3,87	kW
Nominal absorbed power	$D_3$	2,58	kW
Declared COP	$COP_3$	1,50	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GP30 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	<i>t</i>	-10°C	°C
<b>Annual consumption of electrical energy</b>	<i>Q</i>	x	kWh/a
<b>Seasonal energy efficiency ratio</b>	<i>SEPR</i>	2,82	

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

Nominal cooling capacity	<i>P<sub>A</sub></i>	6,97	kW
Nominal absorbed power	<i>D<sub>A</sub></i>	3,79	kW
Nominal COP	<i>COP<sub>A</sub></i>	1,84	

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

Nominal cooling capacity	<i>P<sub>B</sub></i>	7,57	kW
Nominal absorbed power	<i>D<sub>B</sub></i>	3,54	kW
Declared COP	<i>COP<sub>B</sub></i>	2,14	

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

Nominal cooling capacity	<i>P<sub>C</sub></i>	8,59	kW
Nominal absorbed power	<i>D<sub>C</sub></i>	3,19	kW
Declared COP	<i>COP<sub>C</sub></i>	2,69	

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

Nominal cooling capacity	<i>P<sub>D</sub></i>	10,01	kW
Nominal absorbed power	<i>D<sub>A</sub></i>	2,92	kW
Declared COP	<i>COP<sub>D</sub></i>	3,43	

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

Nominal cooling capacity	<i>P<sub>3</sub></i>	5,98	kW
Nominal absorbed power	<i>D<sub>3</sub></i>	4,07	kW
Declared COP	<i>COP<sub>3</sub></i>	1,47	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	

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Model

**EPTAMETIC- GP40 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	3,02	

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

Nominal cooling capacity	$P_A$	8,73	kW
Nominal absorbed power	$D_A$	4,45	kW
Nominal COP	$COP_A$	1,96	

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

Nominal cooling capacity	$P_B$	9,50	kW
Nominal absorbed power	$D_B$	4,15	kW
Declared COP	$COP_B$	2,29	

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

Nominal cooling capacity	$P_C$	10,65	kW
Nominal absorbed power	$D_C$	3,71	kW
Declared COP	$COP_C$	2,87	

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

Nominal cooling capacity	$P_D$	12,02	kW
Nominal absorbed power	$D_D$	3,38	kW
Declared COP	$COP_D$	3,56	

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

Nominal cooling capacity	$P_3$	7,37	kW
Nominal absorbed power	$D_3$	4,88	kW
Declared COP	$COP_3$	1,51	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GP47 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
<b>Evaporation temperature</b>	<i>t</i>	-10°C	°C
<b>Annual consumption of electrical energy</b>	<i>Q</i>	x	kWh/a
<b>Seasonal energy efficiency ratio</b>	<i>SEPR</i>	2,90	

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

Nominal cooling capacity	<i>P<sub>A</sub></i>	9,53	kW
Nominal absorbed power	<i>D<sub>A</sub></i>	4,58	kW
Nominal COP	<i>COP<sub>A</sub></i>	2,08	

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

Nominal cooling capacity	<i>P<sub>B</sub></i>	10,27	kW
Nominal absorbed power	<i>D<sub>B</sub></i>	4,25	kW
Declared COP	<i>COP<sub>B</sub></i>	2,42	

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

Nominal cooling capacity	<i>P<sub>C</sub></i>	11,59	kW
Nominal absorbed power	<i>D<sub>C</sub></i>	3,76	kW
Declared COP	<i>COP<sub>C</sub></i>	3,08	

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

Nominal cooling capacity	<i>P<sub>D</sub></i>	13,53	kW
Nominal absorbed power	<i>D<sub>A</sub></i>	3,41	kW
Declared COP	<i>COP<sub>D</sub></i>	3,97	

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

Nominal cooling capacity	<i>P<sub>3</sub></i>	8,30	kW
Nominal absorbed power	<i>D<sub>3</sub></i>	5,00	kW
Declared COP	<i>COP<sub>3</sub></i>	1,66	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	

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Model	EPTAMETIC- GP50 FRASCOLD
Refrigerating Fluid	R448a

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	2,88	

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	$D_A$	4,71	kW
Declared COP	$COP_A$	2,48	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	$P_B$	12,95	kW
Nominal absorbed power	$D_B$	4,43	kW
Declared COP	$COP_B$	2,92	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	$P_C$	14,87	kW
Nominal absorbed power	$D_C$	3,97	kW
Declared COP	$COP_C$	3,75	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	$P_D$	16,97	kW
Nominal absorbed power	$D_D$	3,44	kW
Declared COP	$COP_D$	4,93	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	$P_3$	9,76	kW
Nominal absorbed power	$D_3$	5,06	kW
Declared COP	$COP_3$	1,93	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GP75 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	2,77	

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

Nominal cooling capacity	$P_A$	15,59	kW
Nominal absorbed power	$D_A$	7,57	kW
Nominal COP	$COP_A$	2,06	

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

Nominal cooling capacity	$P_B$	17,07	kW
Nominal absorbed power	$D_B$	7,11	kW
Declared COP	$COP_B$	2,40	

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

Nominal cooling capacity	$P_C$	19,24	kW
Nominal absorbed power	$D_C$	6,46	kW
Declared COP	$COP_C$	2,98	

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

Nominal cooling capacity	$P_D$	21,93	kW
Nominal absorbed power	$D_D$	5,96	kW
Declared COP	$COP_D$	3,68	

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

Nominal cooling capacity	$P_3$	12,95	kW
Nominal absorbed power	$D_3$	8,05	kW
Declared COP	$COP_3$	1,61	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GP100 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	2,88	

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

Nominal cooling capacity	$P_A$	19,63	kW
Nominal absorbed power	$D_A$	9,13	kW
Nominal COP	$COP_A$	2,15	

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

Nominal cooling capacity	$P_B$	21,54	kW
Nominal absorbed power	$D_B$	8,62	kW
Declared COP	$COP_B$	2,50	

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

Nominal cooling capacity	$P_C$	24,47	kW
Nominal absorbed power	$D_C$	7,84	kW
Declared COP	$COP_C$	3,12	

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

Nominal cooling capacity	$P_D$	28,14	kW
Nominal absorbed power	$D_D$	7,37	kW
Declared COP	$COP_D$	3,82	

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

Nominal cooling capacity	$P_3$	16,36	kW
Nominal absorbed power	$D_3$	9,56	kW
Declared COP	$COP_3$	1,71	
Control of capacity	fixed		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$		
	0,25		

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Model

**EPTAMETIC- GP150 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	2,93	

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

Nominal cooling capacity	$P_A$	26,62	kW
Nominal absorbed power	$D_A$	12,27	kW
Nominal COP	$COP_A$	2,17	

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

Nominal cooling capacity	$P_B$	28,78	kW
Nominal absorbed power	$D_B$	11,33	kW
Declared COP	$COP_B$	2,54	

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

Nominal cooling capacity	$P_C$	32,24	kW
Nominal absorbed power	$D_C$	10,14	kW
Declared COP	$COP_C$	3,18	

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

Nominal cooling capacity	$P_D$	36,92	kW
Nominal absorbed power	$D_D$	9,61	kW
Declared COP	$COP_D$	3,84	

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

Nominal cooling capacity	$P_3$	22,77	kW
Nominal absorbed power	$D_3$	13,32	kW
Declared COP	$COP_3$	1,71	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$	0,25	

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Model

**EPTAMETIC- GP200 FRASCOLD**

Refrigerating Fluid

**R448a**

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	SEPR	2,93	

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

Nominal cooling capacity	$P_A$	28,74	kW
Nominal absorbed power	$D_A$	13,55	kW
Nominal COP	$COP_A$	2,12	

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

Nominal cooling capacity	$P_B$	30,91	kW
Nominal absorbed power	$D_B$	12,56	kW
Declared COP	$COP_B$	2,46	

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

Nominal cooling capacity	$P_C$	34,81	kW
Nominal absorbed power	$D_C$	11,19	kW
Declared COP	$COP_C$	3,11	

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

Nominal cooling capacity	$P_D$	40,65	kW
Nominal absorbed power	$D_D$	10,21	kW
Declared COP	$COP_D$	3,98	

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

Nominal cooling capacity	$P_3$	24,99	kW
Nominal absorbed power	$D_3$	14,62	kW
Declared COP	$COP_3$	1,71	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	$Cdc$		
	0,25		



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