

MISAMETIC BITZER R404a

**ENERGY EFFICIENCY
DATA SHEETS**

Model	MISAMETIC- GN18 BITZER		
Refrigerating Fluid	R404A		
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	1,49	kW
Nominal absorbed power	D_A	1,32	kW
Nominal COP	COP_A	1,13	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	1,62	kW
Nominal absorbed power	D_B	1,29	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	x	kW
Nominal absorbed power	D_C	x	kW
Declared COP	COP_C	x	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_A	x	kW
Declared COP	COP_D	x	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,13	kW
Nominal absorbed power	D_3	1,34	kW
Declared COP	COP_3	0,84	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISAMETIC- GN28 BITZER		
Refrigerating Fluid	R404A		
Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	1,81	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,22	kW
Nominal absorbed power	D_A	1,73	kW
Nominal COP	COP_A	1,28	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,65	kW
Nominal absorbed power	D_B	1,70	kW
Declared COP	COP_B	1,56	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	3,10	kW
Nominal absorbed power	D_C	1,63	kW
Declared COP	COP_C	1,91	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	3,53	kW
Nominal absorbed power	D_A	1,50	kW
Declared COP	COP_D	2,35	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,79	kW
Nominal absorbed power	D_3	1,70	kW
Declared COP	COP_3	1,05	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISAMETIC- GN40 BITZER
Refrigerating Fluid	R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	1,82	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,93	kW
Nominal absorbed power	D_A	2,19	kW
Nominal COP	COP_A	1,34	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,31	kW
Nominal absorbed power	D_B	2,14	kW
Declared COP	COP_B	1,55	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	3,85	kW
Nominal absorbed power	D_C	2,02	kW
Declared COP	COP_C	1,90	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	4,34	kW
Nominal absorbed power	D_A	1,86	kW
Declared COP	COP_D	2,33	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,29	kW
Nominal absorbed power	D_3	2,20	kW
Declared COP	COP_3	1,04	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GN41 BITZER
Refrigerating Fluid	R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	1,75	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,14	kW
Nominal absorbed power	D_A	2,42	kW
Nominal COP	COP_A	1,30	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,52	kW
Nominal absorbed power	D_B	2,35	kW
Declared COP	COP_B	1,50	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	4,03	kW
Nominal absorbed power	D_C	2,21	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	4,47	kW
Nominal absorbed power	D_A	2,00	kW
Declared COP	COP_D	2,23	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,52	kW
Nominal absorbed power	D_3	2,45	kW
Declared COP	COP_3	1,03	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GN50 BITZER
Refrigerating Fluid	R404A

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	3,99	kW
Nominal absorbed power	D_A	3,05	kW
Nominal COP	COP_A	1,31	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,48	kW
Nominal absorbed power	D_B	2,97	kW
Declared COP	COP_B	1,51	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	5,16	kW
Nominal absorbed power	D_C	2,80	kW
Declared COP	COP_C	1,84	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	5,79	kW
Nominal absorbed power	D_A	2,56	kW
Declared COP	COP_D	2,26	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,19	kW
Nominal absorbed power	D_3	3,10	kW
Declared COP	COP_3	1,03	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GN70 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,82	kW
Nominal absorbed power	D_A	3,89	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	5,43	kW
Nominal absorbed power	D_B	3,82	kW
Declared COP	COP_B	1,42	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,28	kW
Nominal absorbed power	D_C	3,61	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	7,11	kW
Nominal absorbed power	D_A	3,35	kW
Declared COP	COP_D	2,12	

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	3,98	kW
Declared COP	COP_3	0,97	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GN75 BITZER		
Refrigerating Fluid	R404A		
Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	1,70	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,34	kW
Nominal absorbed power	D_A	4,11	kW
Nominal COP	COP_A	1,30	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	6,19	kW
Nominal absorbed power	D_B	4,10	kW
Declared COP	COP_B	1,51	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	7,45	kW
Nominal absorbed power	D_C	4,09	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	8,80	kW
Nominal absorbed power	D_A	4,07	kW
Declared COP	COP_D	2,16	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,08	kW
Nominal absorbed power	D_3	4,08	kW
Declared COP	COP_3	1,00	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISAMETIC- GN76 BITZER
Refrigerating Fluid	R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	1,81	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	6,91	kW
Nominal absorbed power	D_A	5,04	kW
Nominal COP	COP_A	1,37	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	7,91	kW
Nominal absorbed power	D_B	5,00	kW
Declared COP	COP_B	1,58	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	9,38	kW
Nominal absorbed power	D_C	4,89	kW
Declared COP	COP_C	1,92	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	10,92	kW
Nominal absorbed power	D_A	4,75	kW
Declared COP	COP_D	2,30	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,37	kW
Nominal absorbed power	D_3	5,07	kW
Declared COP	COP_3	1,06	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GN100 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	7,59	kW
Nominal absorbed power	D_A	6,02	kW
Nominal COP	COP_A	1,26	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	8,82	kW
Nominal absorbed power	D_B	6,04	kW
Declared COP	COP_B	1,46	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	10,60	kW
Nominal absorbed power	D_C	5,95	kW
Declared COP	COP_C	1,78	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	12,40	kW
Nominal absorbed power	D_A	5,77	kW
Declared COP	COP_D	2,15	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,71	kW
Nominal absorbed power	D_3	5,83	kW
Declared COP	COP_3	0,98	

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

Refrigerating Fluid **R404A**

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	13,43	kW
Nominal absorbed power	D_A	10,58	kW
Nominal COP	COP_A	1,27	

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

Nominal cooling capacity	P_B	15,19	kW
Nominal absorbed power	D_B	10,40	kW
Declared COP	COP_B	1,46	

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

Nominal cooling capacity	P_C	17,67	kW
Nominal absorbed power	D_C	10,04	kW
Declared COP	COP_C	1,76	

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

Nominal cooling capacity	P_D	20,11	kW
Nominal absorbed power	D_A	9,48	kW
Declared COP	COP_D	2,12	

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

Nominal cooling capacity	P_3	10,71	kW
Nominal absorbed power	D_3	10,60	kW
Declared COP	COP_3	1,01	

Control of capacity *fixed*

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

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Model	MISAMETIC- GN200 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	9,27	kW
Nominal absorbed power	D_A	7,30	kW
Nominal COP	COP_A	1,27	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	10,62	kW
Nominal absorbed power	D_B	7,27	kW
Declared COP	COP_B	1,46	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	12,54	kW
Nominal absorbed power	D_C	7,04	kW
Declared COP	COP_C	1,78	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	14,39	kW
Nominal absorbed power	D_A	6,60	kW
Declared COP	COP_D	2,18	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,14	kW
Nominal absorbed power	D_3	7,14	kW
Declared COP	COP_3	1,00	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GN300 BITZER		
Refrigerating Fluid	R404A		
Element	Symbol	Value	Unit
Evaporation temperature	t	-35°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	1,72	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	15,91	kW
Nominal absorbed power	D_A	12,15	kW
Nominal COP	COP_A	1,31	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	17,84	kW
Nominal absorbed power	D_B	11,89	kW
Declared COP	COP_B	1,50	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	20,55	kW
Nominal absorbed power	D_C	11,42	kW
Declared COP	COP_C	1,80	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	23,16	kW
Nominal absorbed power	D_A	10,67	kW
Declared COP	COP_D	2,17	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	12,89	kW
Nominal absorbed power	D_3	12,40	kW
Declared COP	COP_3	1,04	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISAMETIC- GP05 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,02	kW
Nominal absorbed power	D_A	0,97	kW
Nominal COP	COP_A	2,09	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,31	kW
Nominal absorbed power	D_B	0,91	kW
Declared COP	COP_B	2,53	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,60	kW
Nominal absorbed power	D_3	1,05	kW
Declared COP	COP_3	1,52	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP10 BITZER		
Refrigerating Fluid	R404A		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	x	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,62	kW
Nominal absorbed power	D_A	1,29	kW
Nominal COP	COP_A	2,03	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,96	kW
Nominal absorbed power	D_B	1,22	kW
Declared COP	COP_B	2,43	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	x	kW
Nominal absorbed power	D_C	x	kW
Declared COP	COP_C	x	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_A	x	kW
Declared COP	COP_D	x	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,10	kW
Nominal absorbed power	D_3	1,40	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	

Model	MISAMETIC- GP15 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,25	kW
Nominal absorbed power	D_A	1,67	kW
Nominal COP	COP_A	1,95	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,67	kW
Nominal absorbed power	D_B	1,58	kW
Declared COP	COP_B	2,32	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,60	kW
Nominal absorbed power	D_3	1,78	kW
Declared COP	COP_3	1,46	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP20 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,68	kW
Nominal absorbed power	D_A	2,35	kW
Nominal COP	COP_A	1,99	

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

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,76	kW
Nominal absorbed power	D_3	2,57	kW
Declared COP	COP_3	1,46	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP25 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,77	kW
Nominal absorbed power	D_A	2,72	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	6,49	kW
Nominal absorbed power	D_B	2,58	kW
Declared COP	COP_B	2,51	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	7,49	kW
Nominal absorbed power	D_C	2,33	kW
Declared COP	COP_C	3,21	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	8,47	kW
Nominal absorbed power	D_A	2,05	kW
Declared COP	COP_D	4,14	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,62	kW
Nominal absorbed power	D_3	2,87	kW
Declared COP	COP_3	1,61	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP30 BITZER		
Refrigerating Fluid	R404A		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	2,79	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	8,28	kW
Nominal absorbed power	D_A	4,18	kW
Nominal COP	COP_A	1,98	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	9,28	kW
Nominal absorbed power	D_B	3,95	kW
Declared COP	COP_B	2,35	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	10,68	kW
Nominal absorbed power	D_C	3,58	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	12,03	kW
Nominal absorbed power	D_A	3,13	kW
Declared COP	COP_D	3,85	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	6,69	kW
Nominal absorbed power	D_3	4,43	kW
Declared COP	COP_3	1,51	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISAMETIC- GP40 BITZER
Refrigerating Fluid	R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,04	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	9,34	kW
Nominal absorbed power	D_A	4,43	kW
Nominal COP	COP_A	2,11	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	10,45	kW
Nominal absorbed power	D_B	4,16	kW
Declared COP	COP_B	2,51	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	11,99	kW
Nominal absorbed power	D_C	3,71	kW
Declared COP	COP_C	3,23	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	13,47	kW
Nominal absorbed power	D_A	3,18	kW
Declared COP	COP_D	4,24	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,57	kW
Nominal absorbed power	D_3	4,73	kW
Declared COP	COP_3	1,60	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP47 BITZER
Refrigerating Fluid	R404A

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	12,22	kW
Nominal absorbed power	D_A	5,82	kW
Nominal COP	COP_A	2,10	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	13,62	kW
Nominal absorbed power	D_B	5,45	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	15,57	kW
Nominal absorbed power	D_C	4,84	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	17,45	kW
Nominal absorbed power	D_A	4,14	kW
Declared COP	COP_D	4,21	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	9,98	kW
Nominal absorbed power	D_3	6,28	kW
Declared COP	COP_3	1,59	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP50 BITZER		
Refrigerating Fluid	R404A		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,26	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	14,55	kW
Nominal absorbed power	D_A	6,50	kW
Nominal COP	COP_A	2,24	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	16,21	kW
Nominal absorbed power	D_B	6,07	kW
Declared COP	COP_B	2,67	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	18,56	kW
Nominal absorbed power	D_C	5,37	kW
Declared COP	COP_C	3,46	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	20,88	kW
Nominal absorbed power	D_A	4,55	kW
Declared COP	COP_D	4,59	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	11,92	kW
Nominal absorbed power	D_3	7,05	kW
Declared COP	COP_3	1,69	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model

MISAMETIC- GP75 BITZER

Refrigerating Fluid

R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	2,99	

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

Nominal cooling capacity	P_A	17,38	kW
Nominal absorbed power	D_A	8,12	kW
Nominal COP	COP_A	2,14	

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

Nominal cooling capacity	P_B	19,54	kW
Nominal absorbed power	D_B	7,72	kW
Declared COP	COP_B	2,53	

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

Nominal cooling capacity	P_C	22,73	kW
Nominal absorbed power	D_C	7,06	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	26,07	kW
Nominal absorbed power	D_A	6,36	kW
Declared COP	COP_D	4,10	

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

Nominal cooling capacity	P_3	14,10	kW
Nominal absorbed power	D_3	8,71	kW
Declared COP	COP_3	1,62	

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

MISAMETIC- GP100 BITZER

Refrigerating Fluid

R404A

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

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

Nominal cooling capacity	P_A	21,88	kW
Nominal absorbed power	D_A	10,32	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	24,51	kW
Nominal absorbed power	D_B	9,80	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	28,33	kW
Nominal absorbed power	D_C	8,91	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	32,24	kW
Nominal absorbed power	D_A	7,92	kW
Declared COP	COP_D	4,07	

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

Nominal cooling capacity	P_3	17,83	kW
Nominal absorbed power	D_3	11,14	kW
Declared COP	COP_3	1,60	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP150 BITZER
Refrigerating Fluid	R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,20	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	26,48	kW
Nominal absorbed power	D_A	11,72	kW
Nominal COP	COP_A	2,26	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	29,73	kW
Nominal absorbed power	D_B	11,09	kW
Declared COP	COP_B	2,68	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	34,37	kW
Nominal absorbed power	D_C	10,02	kW
Declared COP	COP_C	3,43	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	38,96	kW
Nominal absorbed power	D_A	8,77	kW
Declared COP	COP_D	4,44	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	21,40	kW
Nominal absorbed power	D_3	12,44	kW
Declared COP	COP_3	1,72	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC- GP200 BITZER
Refrigerating Fluid	R404A

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,14	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	30,79	kW
Nominal absorbed power	D_A	13,93	kW
Nominal COP	COP_A	2,21	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	34,41	kW
Nominal absorbed power	D_B	13,18	kW
Declared COP	COP_B	2,61	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	39,48	kW
Nominal absorbed power	D_C	11,82	kW
Declared COP	COP_C	3,34	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	44,36	kW
Nominal absorbed power	D_A	10,18	kW
Declared COP	COP_D	4,36	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	25,03	kW
Nominal absorbed power	D_3	14,90	kW
Declared COP	COP_3	1,68	

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