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MISAMETIC
BITZER R448a

ENERGY EFFICIENCY
DATA SHEETS

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Model	MISAMETIC- GN18 BITZER
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	1,13	kW
Nominal absorbed power	D_A	1,07	kW
Nominal COP	COP_A	1,06	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	1,32	kW
Nominal absorbed power	D_B	1,07	kW
Declared COP	COP_B	1,23	

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	0,80	kW
Nominal absorbed power	D_3	1,09	kW
Declared COP	COP_3	0,74	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN28 BITZER
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*	1,81	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	1,91	kW
Nominal absorbed power	D_A	1,42	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	2,18	kW
Nominal absorbed power	D_B	1,43	kW
Declared COP	COP_B	1,53	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	2,58	kW
Nominal absorbed power	D_C	1,39	kW
Declared COP	COP_C	1,85	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	2,96	kW
Nominal absorbed power	D_A	1,33	kW
Declared COP	COP_D	2,23	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,47	kW
Nominal absorbed power	D_3	1,38	kW
Declared COP	COP_3	1,07	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN40 BITZER
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*	1,82	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,33	kW
Nominal absorbed power	D_A	1,83	kW
Nominal COP	COP_A	1,27	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,64	kW
Nominal absorbed power	D_B	1,81	kW
Declared COP	COP_B	1,46	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	3,10	kW
Nominal absorbed power	D_C	1,76	kW
Declared COP	COP_C	1,76	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	3,54	kW
Nominal absorbed power	D_A	1,68	kW
Declared COP	COP_D	2,11	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,84	kW
Nominal absorbed power	D_3	1,80	kW
Declared COP	COP_3	1,02	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN41 BITZER
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*	1,75	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,49	kW
Nominal absorbed power	D_A	1,94	kW
Nominal COP	COP_A	1,28	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,85	kW
Nominal absorbed power	D_B	1,94	kW
Declared COP	COP_B	1,47	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	3,36	kW
Nominal absorbed power	D_C	1,90	kW
Declared COP	COP_C	1,77	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	3,86	kW
Nominal absorbed power	D_A	1,88	kW
Declared COP	COP_D	2,05	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,95	kW
Nominal absorbed power	D_3	1,93	kW
Declared COP	COP_3	1,01	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN50 BITZER
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	3,11	kW
Nominal absorbed power	D_A	2,43	kW
Nominal COP	COP_A	1,28	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,56	kW
Nominal absorbed power	D_B	2,41	kW
Declared COP	COP_B	1,48	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	4,21	kW
Nominal absorbed power	D_C	2,37	kW
Declared COP	COP_C	1,78	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	4,84	kW
Nominal absorbed power	D_A	2,35	kW
Declared COP	COP_D	2,06	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,42	kW
Nominal absorbed power	D_3	2,40	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- GN70 BITZER
Refrigerating Fluid	R448

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,53	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,67	kW
Nominal absorbed power	D_A	3,14	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	4,22	kW
Nominal absorbed power	D_B	3,15	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	5,00	kW
Nominal absorbed power	D_C	3,09	kW
Declared COP	COP_C	1,62	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	5,75	kW
Nominal absorbed power	D_A	2,98	kW
Declared COP	COP_D	1,93	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,85	kW
Nominal absorbed power	D_3	3,06	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	MISAMETIC- GN75 BITZER
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	4,27	kW
Nominal absorbed power	D_A	3,47	kW
Nominal COP	COP_A	1,23	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,99	kW
Nominal absorbed power	D_B	3,56	kW
Declared COP	COP_B	1,40	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,05	kW
Nominal absorbed power	D_C	3,60	kW
Declared COP	COP_C	1,68	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,17	kW
Nominal absorbed power	D_A	3,55	kW
Declared COP	COP_D	2,02	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,17	kW
Nominal absorbed power	D_3	3,23	kW
Declared COP	COP_3	0,98	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN76 BITZER
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*	1,68	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,56	kW
Nominal absorbed power	D_A	4,24	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	6,40	kW
Nominal absorbed power	D_B	4,29	kW
Declared COP	COP_B	1,49	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	7,62	kW
Nominal absorbed power	D_C	4,28	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	8,86	kW
Nominal absorbed power	D_A	4,16	kW
Declared COP	COP_D	2,13	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,26	kW
Nominal absorbed power	D_3	4,02	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	MISAMETIC- GN100 BITZER
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*	1,68	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,97	kW
Nominal absorbed power	D_A	5,02	kW
Nominal COP	COP_A	1,19	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	7,03	kW
Nominal absorbed power	D_B	5,21	kW
Declared COP	COP_B	1,35	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	8,55	kW
Nominal absorbed power	D_C	5,28	kW
Declared COP	COP_C	1,62	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	10,05	kW
Nominal absorbed power	D_A	5,18	kW
Declared COP	COP_D	1,94	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,37	kW
Nominal absorbed power	D_3	4,64	kW
Declared COP	COP_3	0,94	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN150 BITZER
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	11,01	kW
Nominal absorbed power	D_A	9,10	kW
Nominal COP	COP_A	1,21	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	12,46	kW
Nominal absorbed power	D_B	8,97	kW
Declared COP	COP_B	1,39	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	14,51	kW
Nominal absorbed power	D_C	8,69	kW
Declared COP	COP_C	1,67	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	16,48	kW
Nominal absorbed power	D_A	8,37	kW
Declared COP	COP_D	1,97	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	8,76	kW
Nominal absorbed power	D_3	9,13	kW
Declared COP	COP_3	0,96	

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	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	7,50	kW
Nominal absorbed power	D_A	6,00	kW
Nominal COP	COP_A	1,25	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	8,65	kW
Nominal absorbed power	D_B	6,09	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	10,27	kW
Nominal absorbed power	D_C	6,12	kW
Declared COP	COP_C	1,68	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	11,81	kW
Nominal absorbed power	D_A	6,00	kW
Declared COP	COP_D	1,97	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,69	kW
Nominal absorbed power	D_3	5,63	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- GN300 BITZER
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*	1,63	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	13,24	kW
Nominal absorbed power	D_A	10,59	kW
Nominal COP	COP_A	1,25	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	14,79	kW
Nominal absorbed power	D_B	10,34	kW
Declared COP	COP_B	1,43	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	16,98	kW
Nominal absorbed power	D_C	9,93	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	19,09	kW
Nominal absorbed power	D_A	9,45	kW
Declared COP	COP_D	2,02	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	10,84	kW
Nominal absorbed power	D_3	10,84	kW
Declared COP	COP_3	1,00	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP05 BITZER
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	1,86	kW
Nominal absorbed power	D_A	0,92	kW
Nominal COP	COP_A	2,02	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,09	kW
Nominal absorbed power	D_B	0,89	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	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	1,48	kW
Nominal absorbed power	D_3	0,95	kW
Declared COP	COP_3	1,56	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP10 BITZER
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	2,39	kW
Nominal absorbed power	D_A	1,20	kW
Nominal COP	COP_A	2,00	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,68	kW
Nominal absorbed power	D_B	1,15	kW
Declared COP	COP_B	2,33	

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	1,94	kW
Nominal absorbed power	D_3	1,26	kW
Declared COP	COP_3	1,54	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP15 BITZER
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	3,02	kW
Nominal absorbed power	D_A	1,53	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	3,37	kW
Nominal absorbed power	D_B	1,46	kW
Declared COP	COP_B	2,30	

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	2,47	kW
Nominal absorbed power	D_3	1,63	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	MISAMETIC- GP20 BITZER
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	4,46	kW
Nominal absorbed power	D_A	2,21	kW
Nominal COP	COP_A	2,02	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,95	kW
Nominal absorbed power	D_B	2,10	kW
Declared COP	COP_B	2,36	

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	3,66	kW
Nominal absorbed power	D_3	2,39	kW
Declared COP	COP_3	1,53	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP25 BITZER
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*	2,96	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,40	kW
Nominal absorbed power	D_A	2,51	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	5,97	kW
Nominal absorbed power	D_B	2,38	kW
Declared COP	COP_B	2,51	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,80	kW
Nominal absorbed power	D_C	2,16	kW
Declared COP	COP_C	3,15	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,63	kW
Nominal absorbed power	D_A	1,89	kW
Declared COP	COP_D	4,04	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,53	kW
Nominal absorbed power	D_3	2,66	kW
Declared COP	COP_3	1,70	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP30 BITZER
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*	2,78	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	7,83	kW
Nominal absorbed power	D_A	3,86	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	8,61	kW
Nominal absorbed power	D_B	3,65	kW
Declared COP	COP_B	2,36	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	9,75	kW
Nominal absorbed power	D_C	3,29	kW
Declared COP	COP_C	2,96	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	10,90	kW
Nominal absorbed power	D_A	2,89	kW
Declared COP	COP_D	3,77	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	6,62	kW
Nominal absorbed power	D_3	4,14	kW
Declared COP	COP_3	1,60	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP40 BITZER
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*	3,01	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	8,87	kW
Nominal absorbed power	D_A	4,09	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	9,77	kW
Nominal absorbed power	D_B	3,83	kW
Declared COP	COP_B	2,55	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	11,08	kW
Nominal absorbed power	D_C	3,45	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	12,39	kW
Nominal absorbed power	D_A	3,03	kW
Declared COP	COP_D	4,09	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,47	kW
Nominal absorbed power	D_3	4,37	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	MISAMETIC- GP47 BITZER
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*	2,97	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	11,35	kW
Nominal absorbed power	D_A	5,30	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	12,51	kW
Nominal absorbed power	D_B	4,99	kW
Declared COP	COP_B	2,51	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	14,18	kW
Nominal absorbed power	D_C	4,47	kW
Declared COP	COP_C	3,17	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	15,83	kW
Nominal absorbed power	D_A	3,94	kW
Declared COP	COP_D	4,02	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	9,56	kW
Nominal absorbed power	D_3	5,72	kW
Declared COP	COP_3	1,67	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP50 BITZER
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*	3,26	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	13,40	kW
Nominal absorbed power	D_A	5,80	kW
Nominal COP	COP_A	2,31	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	14,78	kW
Nominal absorbed power	D_B	5,45	kW
Declared COP	COP_B	2,71	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	16,80	kW
Nominal absorbed power	D_C	4,87	kW
Declared COP	COP_C	3,45	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	18,80	kW
Nominal absorbed power	D_A	4,17	kW
Declared COP	COP_D	4,51	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	11,26	kW
Nominal absorbed power	D_3	6,25	kW
Declared COP	COP_3	1,80	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP75 BITZER
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*	3,08	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	16,38	kW
Nominal absorbed power	D_A	7,38	kW
Nominal COP	COP_A	2,22	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	18,18	kW
Nominal absorbed power	D_B	6,99	kW
Declared COP	COP_B	2,60	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	20,85	kW
Nominal absorbed power	D_C	6,36	kW
Declared COP	COP_C	3,28	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	23,64	kW
Nominal absorbed power	D_A	5,58	kW
Declared COP	COP_D	4,24	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	13,65	kW
Nominal absorbed power	D_3	7,80	kW
Declared COP	COP_3	1,75	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP100 BITZER
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*	3,00	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	20,46	kW
Nominal absorbed power	D_A	9,47	kW
Nominal COP	COP_A	2,16	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	22,63	kW
Nominal absorbed power	D_B	8,95	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	25,78	kW
Nominal absorbed power	D_C	8,08	kW
Declared COP	COP_C	3,19	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	29,01	kW
Nominal absorbed power	D_A	7,06	kW
Declared COP	COP_D	4,11	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	17,14	kW
Nominal absorbed power	D_3	10,08	kW
Declared COP	COP_3	1,70	

Control of capacity	*fixed*

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

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Model	**MISAMETIC- GP150 BITZER**
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*	3,33	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	25,05	kW
Nominal absorbed power	D_A	10,61	kW
Nominal COP	COP_A	2,36	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	27,79	kW
Nominal absorbed power	D_B	10,00	kW
Declared COP	COP_B	2,78	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	31,69	kW
Nominal absorbed power	D_C	8,95	kW
Declared COP	COP_C	3,54	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	35,52	kW
Nominal absorbed power	D_A	7,71	kW
Declared COP	COP_D	4,61	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	20,74	kW
Nominal absorbed power	D_3	11,34	kW
Declared COP	COP_3	1,83	

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

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Model	MISAMETIC- GP200 BITZER
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*	3,11	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	28,57	kW
Nominal absorbed power	D_A	12,75	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	31,56	kW
Nominal absorbed power	D_B	12,00	kW
Declared COP	COP_B	2,63	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	35,72	kW
Nominal absorbed power	D_C	10,79	kW
Declared COP	COP_C	3,31	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	39,71	kW
Nominal absorbed power	D_A	9,37	kW
Declared COP	COP_D	4,24	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	23,80	kW
Nominal absorbed power	D_3	13,60	kW
Declared COP	COP_3	1,75	

Control of capacity	*fixed*

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

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