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epta refrigeration

MISAMETIC BITZER R452a

ENERGY EFFICIENCY DATA SHEETS

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Model	MISAMETIC- GN18 BITZER
Refrigerating Fluid	R452a

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	1,22	kW
Nominal absorbed power	D_A	1,19	kW
Nominal COP	COP_A	1,02	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	1,48	kW
Nominal absorbed power	D_B	1,20	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	0,85	kW
Nominal absorbed power	D_3	1,20	kW
Declared COP	COP_3	0,71	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN28 BITZER
Refrigerating Fluid	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,59	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	1,74	kW
Nominal absorbed power	D_A	1,60	kW
Nominal COP	COP_A	1,09	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,07	kW
Nominal absorbed power	D_B	1,56	kW
Declared COP	COP_B	1,33	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	2,55	kW
Nominal absorbed power	D_C	1,49	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	3,00	kW
Nominal absorbed power	D_A	1,44	kW
Declared COP	COP_D	2,09	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,22	kW
Nominal absorbed power	D_3	1,56	kW
Declared COP	COP_3	0,78	

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	R452a

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	2,23	kW
Nominal absorbed power	D_A	1,97	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	2,63	kW
Nominal absorbed power	D_B	1,93	kW
Declared COP	COP_B	1,36	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	3,19	kW
Nominal absorbed power	D_C	1,85	kW
Declared COP	COP_C	1,72	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	3,72	kW
Nominal absorbed power	D_A	1,76	kW
Declared COP	COP_D	2,11	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,61	kW
Nominal absorbed power	D_3	1,98	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	MISAMETIC- GN41 BITZER
Refrigerating Fluid	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,57	

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

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	2,17	kW
Declared COP	COP_B	1,31	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	3,38	kW
Nominal absorbed power	D_C	2,04	kW
Declared COP	COP_C	1,66	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	3,90	kW
Nominal absorbed power	D_A	1,90	kW
Declared COP	COP_D	2,05	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	1,85	kW
Nominal absorbed power	D_3	2,23	kW
Declared COP	COP_3	0,83	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN50 BITZER
Refrigerating Fluid	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,61	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,24	kW
Nominal absorbed power	D_A	2,79	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	3,75	kW
Nominal absorbed power	D_B	2,72	kW
Declared COP	COP_B	1,38	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	4,48	kW
Nominal absorbed power	D_C	2,60	kW
Declared COP	COP_C	1,72	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	5,12	kW
Nominal absorbed power	D_A	2,47	kW
Declared COP	COP_D	2,07	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,45	kW
Nominal absorbed power	D_3	2,85	kW
Declared COP	COP_3	0,86	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,46	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,75	kW
Nominal absorbed power	D_A	3,68	kW
Nominal COP	COP_A	1,02	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,39	kW
Nominal absorbed power	D_B	3,60	kW
Declared COP	COP_B	1,22	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	5,30	kW
Nominal absorbed power	D_C	3,42	kW
Declared COP	COP_C	1,55	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	6,18	kW
Nominal absorbed power	D_A	3,20	kW
Declared COP	COP_D	1,93	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,79	kW
Nominal absorbed power	D_3	3,72	kW
Declared COP	COP_3	0,75	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN75 BITZER
Refrigerating Fluid	R452a

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	4,08	kW
Nominal absorbed power	D_A	3,67	kW
Nominal COP	COP_A	1,11	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,94	kW
Nominal absorbed power	D_B	3,72	kW
Declared COP	COP_B	1,33	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,23	kW
Nominal absorbed power	D_C	3,80	kW
Declared COP	COP_C	1,64	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,56	kW
Nominal absorbed power	D_A	3,82	kW
Declared COP	COP_D	1,98	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,84	kW
Nominal absorbed power	D_3	3,64	kW
Declared COP	COP_3	0,78	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,61	

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	4,57	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	6,37	kW
Nominal absorbed power	D_B	4,58	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	7,88	kW
Nominal absorbed power	D_C	4,56	kW
Declared COP	COP_C	1,73	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	9,41	kW
Nominal absorbed power	D_A	4,46	kW
Declared COP	COP_D	2,11	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,83	kW
Nominal absorbed power	D_3	4,56	kW
Declared COP	COP_3	0,84	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,51	

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	5,58	kW
Nominal COP	COP_A	1,07	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	7,19	kW
Nominal absorbed power	D_B	5,62	kW
Declared COP	COP_B	1,28	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	9,01	kW
Nominal absorbed power	D_C	5,56	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	10,85	kW
Nominal absorbed power	D_A	5,43	kW
Declared COP	COP_D	2,00	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,17	kW
Nominal absorbed power	D_3	5,35	kW
Declared COP	COP_3	0,78	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,47	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	10,25	kW
Nominal absorbed power	D_A	9,85	kW
Nominal COP	COP_A	1,04	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	12,09	kW
Nominal absorbed power	D_B	9,67	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	14,72	kW
Nominal absorbed power	D_C	9,32	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	17,06	kW
Nominal absorbed power	D_A	8,93	kW
Declared COP	COP_D	1,91	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,51	kW
Nominal absorbed power	D_3	9,88	kW
Declared COP	COP_3	0,76	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,54	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	7,31	kW
Nominal absorbed power	D_A	6,77	kW
Nominal COP	COP_A	1,08	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	8,71	kW
Nominal absorbed power	D_B	6,75	kW
Declared COP	COP_B	1,29	

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	6,53	kW
Declared COP	COP_C	1,64	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	12,67	kW
Nominal absorbed power	D_A	6,21	kW
Declared COP	COP_D	2,04	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,23	kW
Nominal absorbed power	D_3	6,54	kW
Declared COP	COP_3	0,80	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN300 BITZER
Refrigerating Fluid	R452a

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	12,17	kW
Nominal absorbed power	D_A	11,37	kW
Nominal COP	COP_A	1,07	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	14,23	kW
Nominal absorbed power	D_B	11,11	kW
Declared COP	COP_B	1,28	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	17,15	kW
Nominal absorbed power	D_C	10,65	kW
Declared COP	COP_C	1,61	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	19,91	kW
Nominal absorbed power	D_A	10,06	kW
Declared COP	COP_D	1,98	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	9,11	kW
Nominal absorbed power	D_3	11,53	kW
Declared COP	COP_3	0,79	

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	R452a

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	1,85	kW
Nominal absorbed power	D_A	0,92	kW
Nominal COP	COP_A	2,01	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,08	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	1,47	kW
Nominal absorbed power	D_3	0,95	kW
Declared COP	COP_3	1,55	

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	R452a

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	2,36	kW
Nominal absorbed power	D_A	1,27	kW
Nominal COP	COP_A	1,86	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	2,70	kW
Nominal absorbed power	D_B	1,20	kW
Declared COP	COP_B	2,26	

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	1,84	kW
Nominal absorbed power	D_3	1,35	kW
Declared COP	COP_3	1,37	

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	R452a

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	2,92	kW
Nominal absorbed power	D_A	1,61	kW
Nominal COP	COP_A	1,81	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,34	kW
Nominal absorbed power	D_B	1,53	kW
Declared COP	COP_B	2,18	

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	2,28	kW
Nominal absorbed power	D_3	1,71	kW
Declared COP	COP_3	1,33	

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	R452a

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	4,26	kW
Nominal absorbed power	D_A	2,29	kW
Nominal COP	COP_A	1,86	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,87	kW
Nominal absorbed power	D_B	2,17	kW
Declared COP	COP_B	2,24	

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	3,34	kW
Nominal absorbed power	D_3	2,45	kW
Declared COP	COP_3	1,36	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-10°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	2,85	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,20	kW
Nominal absorbed power	D_A	2,60	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	5,91	kW
Nominal absorbed power	D_B	2,48	kW
Declared COP	COP_B	2,38	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,90	kW
Nominal absorbed power	D_C	2,26	kW
Declared COP	COP_C	3,05	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,84	kW
Nominal absorbed power	D_A	1,97	kW
Declared COP	COP_D	3,98	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,06	kW
Nominal absorbed power	D_3	2,73	kW
Declared COP	COP_3	1,49	

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	**R452a**

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-10°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	2,66	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	7,49	kW
Nominal absorbed power	D_A	4,00	kW
Nominal COP	COP_A	1,87	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	8,48	kW
Nominal absorbed power	D_B	3,80	kW
Declared COP	COP_B	2,23	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	9,86	kW
Nominal absorbed power	D_C	3,46	kW
Declared COP	COP_C	2,85	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	11,17	kW
Nominal absorbed power	D_A	3,01	kW
Declared COP	COP_D	3,71	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,90	kW
Nominal absorbed power	D_3	4,18	kW
Declared COP	COP_3	1,41	

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	R452a

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	8,42	kW
Nominal absorbed power	D_A	4,21	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	9,51	kW
Nominal absorbed power	D_B	3,98	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	11,02	kW
Nominal absorbed power	D_C	3,54	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	12,44	kW
Nominal absorbed power	D_A	2,98	kW
Declared COP	COP_D	4,17	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	6,66	kW
Nominal absorbed power	D_3	4,38	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- GP47 BITZER**
Refrigerating Fluid	**R452a**

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-10°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	2,85	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	11,05	kW
Nominal absorbed power	D_A	5,61	kW
Nominal COP	COP_A	1,97	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	12,45	kW
Nominal absorbed power	D_B	5,30	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	14,36	kW
Nominal absorbed power	D_C	4,72	kW
Declared COP	COP_C	3,04	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	16,17	kW
Nominal absorbed power	D_A	4,03	kW
Declared COP	COP_D	4,01	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	8,81	kW
Nominal absorbed power	D_3	5,99	kW
Declared COP	COP_3	1,47	

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	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-10°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	3,15	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	13,16	kW
Nominal absorbed power	D_A	6,09	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	14,82	kW
Nominal absorbed power	D_B	5,70	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	17,14	kW
Nominal absorbed power	D_C	5,07	kW
Declared COP	COP_C	3,38	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	17,14	kW
Nominal absorbed power	D_A	3,91	kW
Declared COP	COP_D	4,38	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	10,53	kW
Nominal absorbed power	D_3	6,58	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- GP75 BITZER
Refrigerating Fluid	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-10°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	2,85	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	15,65	kW
Nominal absorbed power	D_A	7,67	kW
Nominal COP	COP_A	2,04	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	17,79	kW
Nominal absorbed power	D_B	7,35	kW
Declared COP	COP_B	2,42	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	20,97	kW
Nominal absorbed power	D_C	6,81	kW
Declared COP	COP_C	3,08	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	24,24	kW
Nominal absorbed power	D_A	6,15	kW
Declared COP	COP_D	3,94	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	12,40	kW
Nominal absorbed power	D_3	8,21	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	MISAMETIC- GP100 BITZER
Refrigerating Fluid	R452a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-10°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	2,81	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	19,67	kW
Nominal absorbed power	D_A	9,88	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	22,28	kW
Nominal absorbed power	D_B	9,40	kW
Declared COP	COP_B	2,37	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	26,07	kW
Nominal absorbed power	D_C	8,63	kW
Declared COP	COP_C	3,02	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	29,86	kW
Nominal absorbed power	D_A	7,68	kW
Declared COP	COP_D	3,89	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	15,66	kW
Nominal absorbed power	D_3	10,51	kW
Declared COP	COP_3	1,49	

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	R452a

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	23,76	kW
Nominal absorbed power	D_A	11,15	kW
Nominal COP	COP_A	2,13	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	26,98	kW
Nominal absorbed power	D_B	10,62	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	31,53	kW
Nominal absorbed power	D_C	9,64	kW
Declared COP	COP_C	3,27	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	35,97	kW
Nominal absorbed power	D_A	8,50	kW
Declared COP	COP_D	4,23	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	18,72	kW
Nominal absorbed power	D_3	11,85	kW
Declared COP	COP_3	1,58	

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	R452a

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	27,76	kW
Nominal absorbed power	D_A	13,35	kW
Nominal COP	COP_A	2,08	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	31,37	kW
Nominal absorbed power	D_B	12,60	kW
Declared COP	COP_B	2,49	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	36,36	kW
Nominal absorbed power	D_C	11,33	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	41,01	kW
Nominal absorbed power	D_A	9,81	kW
Declared COP	COP_D	4,18	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	22,01	kW
Nominal absorbed power	D_3	14,20	kW
Declared COP	COP_3	1,55	

Control of capacity	*fixed*

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

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