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epta refrigeration

MISAMETIC FRASCOLD R448a

ENERGY EFFICIENCY DATA SHEETS

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Model	MISAMETIC- GN18 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	1,28	kW
Nominal absorbed power	D_A	1,31	kW
Nominal COP	COP_A	0,98	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	1,37	kW
Nominal absorbed power	D_B	1,22	kW
Declared COP	COP_B	1,12	

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

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_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	1,17	kW
Nominal absorbed power	D_3	1,44	kW
Declared COP	COP_3	0,81	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN28 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,37	kW
Nominal absorbed power	D_A	2,18	kW
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	2,50	kW
Nominal absorbed power	D_B	2,02	kW
Declared COP	COP_B	1,24	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,14	kW
Nominal absorbed power	D_3	2,43	kW
Declared COP	COP_3	0,88	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN40 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,40	kW
Nominal absorbed power	D_A	2,24	kW
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	2,62	kW
Nominal absorbed power	D_B	2,10	kW
Declared COP	COP_B	1,25	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,00	kW
Nominal absorbed power	D_3	2,44	kW
Declared COP	COP_3	0,82	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN41 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,94	kW
Nominal absorbed power	D_A	2,69	kW
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	3,13	kW
Nominal absorbed power	D_B	2,52	kW
Declared COP	COP_B	1,24	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,57	kW
Nominal absorbed power	D_3	2,92	kW
Declared COP	COP_3	0,88	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN50 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,94	kW
Nominal absorbed power	D_A	2,51	kW
Nominal COP	COP_A	1,17	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,40	kW
Nominal absorbed power	D_B	2,48	kW
Declared COP	COP_B	1,37	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	4,06	kW
Nominal absorbed power	D_C	2,37	kW
Declared COP	COP_C	1,71	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	4,75	kW
Nominal absorbed power	D_A	2,24	kW
Declared COP	COP_D	2,12	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,16	kW
Nominal absorbed power	D_3	0,87	kW
Declared COP	COP_3	1,06	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN70 FRASCOLD
Refrigerating Fluid	R449a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,23	kW
Nominal absorbed power	D_A	4,03	kW
Nominal COP	COP_A	1,05	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,71	kW
Nominal absorbed power	D_B	3,89	kW
Declared COP	COP_B	1,21	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	5,55	kW
Nominal absorbed power	D_C	3,52	kW
Declared COP	COP_C	1,58	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	6,73	kW
Nominal absorbed power	D_A	2,91	kW
Declared COP	COP_D	2,31	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,51	kW
Nominal absorbed power	D_3	3,95	kW
Declared COP	COP_3	0,89	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN75 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,66	kW
Nominal absorbed power	D_A	3,91	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	5,28	kW
Nominal absorbed power	D_B	3,88	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	6,18	kW
Nominal absorbed power	D_C	3,79	kW
Declared COP	COP_C	1,63	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,12	kW
Nominal absorbed power	D_A	3,63	kW
Declared COP	COP_D	1,96	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,68	kW
Nominal absorbed power	D_3	3,96	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- GN76 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	6,95	kW
Nominal absorbed power	D_A	5,35	kW
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	7,45	kW
Nominal absorbed power	D_B	5,07	kW
Declared COP	COP_B	1,47	

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,94	kW
Nominal absorbed power	D_3	5,60	kW
Declared COP	COP_3	1,06	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN100 FRASCOLD
Refrigerating Fluid	R448a

Element	Symbol	Value	Unit
Evaporation temperature	*t*	-35°C	°C
Annual consumption of electrical energy	*Q*	x	kWh/a
Seasonal energy efficiency ratio	*SEPR*	1,66	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	8,53	kW
Nominal absorbed power	D_A	7,35	kW
Nominal COP	COP_A	1,16	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	9,10	kW
Nominal absorbed power	D_B	6,79	kW
Declared COP	COP_B	1,34	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	10,71	kW
Nominal absorbed power	D_C	6,30	kW
Declared COP	COP_C	1,70	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	13,98	kW
Nominal absorbed power	D_A	6,30	kW
Declared COP	COP_D	2,22	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,30	kW
Nominal absorbed power	D_3	7,94	kW
Declared COP	COP_3	0,92	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN150 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	12,07	kW
Nominal absorbed power	D_A	10,23	kW
Nominal COP	COP_A	1,18	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	12,89	kW
Nominal absorbed power	D_B	9,62	kW
Declared COP	COP_B	1,34	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	15,14	kW
Nominal absorbed power	D_C	8,96	kW
Declared COP	COP_C	1,69	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	19,66	kW
Nominal absorbed power	D_A	9,02	kW
Declared COP	COP_D	2,18	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	10,35	kW
Nominal absorbed power	D_3	10,90	kW
Declared COP	COP_3	0,95	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN200 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	9,67	kW
Nominal absorbed power	D_A	7,80	kW
Nominal COP	COP_A	1,24	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	10,26	kW
Nominal absorbed power	D_B	7,33	kW
Declared COP	COP_B	1,40	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	11,91	kW
Nominal absorbed power	D_C	6,85	kW
Declared COP	COP_C	1,74	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	15,33	kW
Nominal absorbed power	D_A	6,81	kW
Declared COP	COP_D	2,25	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,78	kW
Nominal absorbed power	D_3	8,36	kW
Declared COP	COP_3	0,93	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GN300 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	13,37	kW
Nominal absorbed power	D_A	11,43	kW
Nominal COP	COP_A	1,17	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	14,11	kW
Nominal absorbed power	D_B	10,86	kW
Declared COP	COP_B	1,30	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	16,36	kW
Nominal absorbed power	D_C	10,23	kW
Declared COP	COP_C	1,60	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	21,02	kW
Nominal absorbed power	D_A	10,30	kW
Declared COP	COP_D	2,04	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	11,85	kW
Nominal absorbed power	D_3	12,09	kW
Declared COP	COP_3	0,98	

Control of capacity	*fixed*

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

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Model	MISAMETIC - GP05 FRASCOLD
Refrigerating Fluid	R449a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,24	kW
Nominal absorbed power	D_A	1,11	kW
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	2,55	kW
Nominal absorbed power	D_B	1,07	kW
Declared COP	COP_B	2,39	

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

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_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	1,82	kW
Nominal absorbed power	D_3	1,21	kW
Declared COP	COP_3	1,50	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP10 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,65	kW
Nominal absorbed power	D_A	1,29	kW
Nominal COP	COP_A	2,05	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,00	kW
Nominal absorbed power	D_B	1,21	kW
Declared COP	COP_B	2,48	

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

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_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	2,13	kW
Nominal absorbed power	D_3	1,41	kW
Declared COP	COP_3	1,51	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP15 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,25	kW
Nominal absorbed power	D_A	1,68	kW
Nominal COP	COP_A	1,93	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,57	kW
Nominal absorbed power	D_B	1,59	kW
Declared COP	COP_B	2,25	

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

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_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	2,72	kW
Nominal absorbed power	D_3	1,79	kW
Declared COP	COP_3	1,52	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP20 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,16	kW
Nominal absorbed power	D_A	2,12	kW
Nominal COP	COP_A	1,96	

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

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

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_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	3,45	kW
Nominal absorbed power	D_3	2,28	kW
Declared COP	COP_3	1,51	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP25 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,59	kW
Nominal absorbed power	D_A	2,42	kW
Nominal COP	COP_A	1,90	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	5,02	kW
Nominal absorbed power	D_B	2,27	kW
Declared COP	COP_B	2,21	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,35	kW
Nominal absorbed power	D_C	1,97	kW
Declared COP	COP_C	3,22	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,03	kW
Nominal absorbed power	D_A	1,70	kW
Declared COP	COP_D	4,14	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,87	kW
Nominal absorbed power	D_3	2,58	kW
Declared COP	COP_3	1,50	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP30 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	6,97	kW
Nominal absorbed power	D_A	3,79	kW
Nominal COP	COP_A	1,84	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	7,57	kW
Nominal absorbed power	D_B	3,54	kW
Declared COP	COP_B	2,14	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	8,59	kW
Nominal absorbed power	D_C	3,19	kW
Declared COP	COP_C	2,69	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	10,01	kW
Nominal absorbed power	D_A	2,92	kW
Declared COP	COP_D	3,43	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,98	kW
Nominal absorbed power	D_3	4,07	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- GP40 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	8,73	kW
Nominal absorbed power	D_A	4,45	kW
Nominal COP	COP_A	1,96	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	9,50	kW
Nominal absorbed power	D_B	4,15	kW
Declared COP	COP_B	2,29	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	10,65	kW
Nominal absorbed power	D_C	3,71	kW
Declared COP	COP_C	2,87	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	12,02	kW
Nominal absorbed power	D_A	3,38	kW
Declared COP	COP_D	3,56	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,37	kW
Nominal absorbed power	D_3	4,88	kW
Declared COP	COP_3	1,51	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP47 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	9,53	kW
Nominal absorbed power	D_A	4,58	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	10,27	kW
Nominal absorbed power	D_B	4,25	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	11,59	kW
Nominal absorbed power	D_C	3,76	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	13,53	kW
Nominal absorbed power	D_A	3,41	kW
Declared COP	COP_D	3,97	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	8,30	kW
Nominal absorbed power	D_3	5,00	kW
Declared COP	COP_3	1,66	

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 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	11,67	kW
Nominal absorbed power	D_A	4,71	kW
Nominal COP	COP_A	2,48	

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

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

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

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	9,76	kW
Nominal absorbed power	D_3	5,06	kW
Declared COP	COP_3	1,93	

Control of capacity	*fixed*

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

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Model	**MISAMETIC- GP75 FRASCOLD**
Refrigerating Fluid	**R448a**

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	15,59	kW
Nominal absorbed power	D_A	7,57	kW
Nominal COP	COP_A	2,06	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	17,07	kW
Nominal absorbed power	D_B	7,11	kW
Declared COP	COP_B	2,40	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	19,24	kW
Nominal absorbed power	D_C	6,46	kW
Declared COP	COP_C	2,98	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	21,93	kW
Nominal absorbed power	D_A	5,96	kW
Declared COP	COP_D	3,68	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	12,95	kW
Nominal absorbed power	D_3	8,05	kW
Declared COP	COP_3	1,61	

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

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Model	MISAMETIC- GP100 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	19,63	kW
Nominal absorbed power	D_A	9,13	kW
Nominal COP	COP_A	2,15	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	21,54	kW
Nominal absorbed power	D_B	8,62	kW
Declared COP	COP_B	2,50	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	24,47	kW
Nominal absorbed power	D_C	7,84	kW
Declared COP	COP_C	3,12	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	28,14	kW
Nominal absorbed power	D_A	7,37	kW
Declared COP	COP_D	3,82	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	16,36	kW
Nominal absorbed power	D_3	9,56	kW
Declared COP	COP_3	1,71	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP150 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	26,62	kW
Nominal absorbed power	D_A	12,27	kW
Nominal COP	COP_A	2,17	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	28,78	kW
Nominal absorbed power	D_B	11,33	kW
Declared COP	COP_B	2,54	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	32,24	kW
Nominal absorbed power	D_C	10,14	kW
Declared COP	COP_C	3,18	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	36,92	kW
Nominal absorbed power	D_A	9,61	kW
Declared COP	COP_D	3,84	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	22,77	kW
Nominal absorbed power	D_3	13,32	kW
Declared COP	COP_3	1,71	

Control of capacity	*fixed*

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

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Model	MISAMETIC- GP200 FRASCOLD
Refrigerating Fluid	R448a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	28,74	kW
Nominal absorbed power	D_A	13,55	kW
Nominal COP	COP_A	2,12	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	30,91	kW
Nominal absorbed power	D_B	12,56	kW
Declared COP	COP_B	2,46	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	34,81	kW
Nominal absorbed power	D_C	11,19	kW
Declared COP	COP_C	3,11	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	40,65	kW
Nominal absorbed power	D_A	10,21	kW
Declared COP	COP_D	3,98	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	24,99	kW
Nominal absorbed power	D_3	14,62	kW
Declared COP	COP_3	1,71	

Control of capacity	*fixed*

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

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