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MISAMETIC FRASCOLD R404a

ENERGY EFFICIENCY DATA SHEETS

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Model	MISAMETIC- GN18 FRASCOLD
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	1,44	kW
Nominal absorbed power	D_A	1,33	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	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	1,15	kW
Nominal absorbed power	D_3	1,38	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- GN28 FRASCOLD
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*	1,56	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,50	kW
Nominal absorbed power	D_A	2,21	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	2,81	kW
Nominal absorbed power	D_B	2,15	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	3,31	kW
Nominal absorbed power	D_C	2,03	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	3,88	kW
Nominal absorbed power	D_A	1,91	kW
Declared COP	COP_D	2,03	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,06	kW
Nominal absorbed power	D_3	2,34	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	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*	1,62	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,68	kW
Nominal absorbed power	D_A	2,29	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	3,08	kW
Nominal absorbed power	D_B	2,25	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	3,66	kW
Nominal absorbed power	D_C	2,15	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	4,27	kW
Nominal absorbed power	D_A	2,01	kW
Declared COP	COP_D	2,12	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,08	kW
Nominal absorbed power	D_3	2,34	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- GN41 FRASCOLD
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*	1,55	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,20	kW
Nominal absorbed power	D_A	2,71	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	3,59	kW
Nominal absorbed power	D_B	2,66	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	4,19	kW
Nominal absorbed power	D_C	2,57	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	4,82	kW
Nominal absorbed power	D_A	2,44	kW
Declared COP	COP_D	1,98	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,62	kW
Nominal absorbed power	D_3	2,78	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- GN50 FRASCOLD
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*	1,73	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,69	kW
Nominal absorbed power	D_A	3,02	kW
Nominal COP	COP_A	1,22	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,25	kW
Nominal absorbed power	D_B	2,95	kW
Declared COP	COP_B	1,44	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	5,08	kW
Nominal absorbed power	D_C	2,81	kW
Declared COP	COP_C	1,81	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	5,94	kW
Nominal absorbed power	D_A	2,58	kW
Declared COP	COP_D	2,30	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	2,83	kW
Nominal absorbed power	D_3	3,07	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- GN70 FRASCOLD
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*	1,54	

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	4,00	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	5,34	kW
Nominal absorbed power	D_B	3,95	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	6,29	kW
Nominal absorbed power	D_C	3,77	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	7,26	kW
Nominal absorbed power	D_A	3,49	kW
Declared COP	COP_D	2,08	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,69	kW
Nominal absorbed power	D_3	4,05	kW
Declared COP	COP_3	0,91	

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	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*	1,62	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,65	kW
Nominal absorbed power	D_A	4,67	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	6,38	kW
Nominal absorbed power	D_B	4,59	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	7,50	kW
Nominal absorbed power	D_C	4,44	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	8,71	kW
Nominal absorbed power	D_A	4,19	kW
Declared COP	COP_D	2,08	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,59	kW
Nominal absorbed power	D_3	4,79	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- GN76 FRASCOLD
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*	1,76	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	7,21	kW
Nominal absorbed power	D_A	5,46	kW
Nominal COP	COP_A	1,32	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	8,23	kW
Nominal absorbed power	D_B	5,38	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	9,63	kW
Nominal absorbed power	D_C	5,20	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	10,91	kW
Nominal absorbed power	D_A	4,89	kW
Declared COP	COP_D	2,23	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,61	kW
Nominal absorbed power	D_3	5,45	kW
Declared COP	COP_3	1,03	

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	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	9,45	kW
Nominal absorbed power	D_A	7,44	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	7,18	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	12,25	kW
Nominal absorbed power	D_C	6,80	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	13,85	kW
Nominal absorbed power	D_A	6,44	kW
Declared COP	COP_D	2,15	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,52	kW
Nominal absorbed power	D_3	7,67	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- GN150 FRASCOLD
Refrigerating Fluid	R407F

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	9,87	kW
Nominal absorbed power	D_A	8,66	kW
Nominal COP	COP_A	1,14	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	11,35	kW
Nominal absorbed power	D_B	8,60	kW
Declared COP	COP_B	1,32	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	13,58	kW
Nominal absorbed power	D_C	8,38	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	15,78	kW
Nominal absorbed power	D_A	8,09	kW
Declared COP	COP_D	1,95	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,87	kW
Nominal absorbed power	D_3	8,84	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- GP200 FRASCOLD
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	30,91	kW
Nominal absorbed power	D_A	14,51	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	34,17	kW
Nominal absorbed power	D_B	13,56	kW
Declared COP	COP_B	2,52	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	38,83	kW
Nominal absorbed power	D_C	12,13	kW
Declared COP	COP_C	3,20	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	43,52	kW
Nominal absorbed power	D_A	10,64	kW
Declared COP	COP_D	4,09	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	25,74	kW
Nominal absorbed power	D_3	15,70	kW
Declared COP	COP_3	1,64	

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	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*	1,61	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	14,08	kW
Nominal absorbed power	D_A	11,64	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	15,82	kW
Nominal absorbed power	D_B	11,47	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	18,20	kW
Nominal absorbed power	D_C	11,03	kW
Declared COP	COP_C	1,65	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	20,27	kW
Nominal absorbed power	D_A	10,39	kW
Declared COP	COP_D	1,95	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	11,33	kW
Nominal absorbed power	D_3	11,80	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 - GP05 FRASCOLD
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	2,45	kW
Nominal absorbed power	D_A	1,21	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	2,79	kW
Nominal absorbed power	D_B	1,15	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	1,92	kW
Nominal absorbed power	D_3	1,30	kW
Declared COP	COP_3	1,48	

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	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	2,65	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	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	3,50	kW
Nominal absorbed power	D_A	1,82	kW
Nominal COP	COP_A	1,92	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,95	kW
Nominal absorbed power	D_B	1,72	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	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	2,81	kW
Nominal absorbed power	D_3	1,94	kW
Declared COP	COP_3	1,45	

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	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	4,48	kW
Nominal absorbed power	D_A	2,27	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	5,02	kW
Nominal absorbed power	D_B	2,14	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	3,63	kW
Nominal absorbed power	D_3	2,45	kW
Declared COP	COP_3	1,48	

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	**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	4,90	kW
Nominal absorbed power	D_A	2,61	kW
Nominal COP	COP_A	1,88	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	5,48	kW
Nominal absorbed power	D_B	2,47	kW
Declared COP	COP_B	2,22	

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	4,03	kW
Nominal absorbed power	D_3	2,80	kW
Declared COP	COP_3	1,44	

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	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*	2,56	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	7,33	kW
Nominal absorbed power	D_A	4,07	kW
Nominal COP	COP_A	1,80	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	8,20	kW
Nominal absorbed power	D_B	3,85	kW
Declared COP	COP_B	2,13	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	9,51	kW
Nominal absorbed power	D_C	3,51	kW
Declared COP	COP_C	2,71	

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	3,16	kW
Declared COP	COP_D	3,46	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	6,06	kW
Nominal absorbed power	D_3	4,42	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- GP40 FRASCOLD
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*	2,70	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	9,26	kW
Nominal absorbed power	D_A	4,82	kW
Nominal COP	COP_A	1,92	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	10,29	kW
Nominal absorbed power	D_B	4,51	kW
Declared COP	COP_B	2,28	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	11,77	kW
Nominal absorbed power	D_C	4,06	kW
Declared COP	COP_C	2,90	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	13,20	kW
Nominal absorbed power	D_A	3,58	kW
Declared COP	COP_D	3,69	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,66	kW
Nominal absorbed power	D_3	5,28	kW
Declared COP	COP_3	1,45	

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	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	10,34	kW
Nominal absorbed power	D_A	4,90	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	11,43	kW
Nominal absorbed power	D_B	4,57	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	12,96	kW
Nominal absorbed power	D_C	4,06	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	14,43	kW
Nominal absorbed power	D_A	3,48	kW
Declared COP	COP_D	4,15	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	8,60	kW
Nominal absorbed power	D_3	5,34	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- GP50 FRASCOLD
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*	3,35	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	12,37	kW
Nominal absorbed power	D_A	5,57	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	13,89	kW
Nominal absorbed power	D_B	5,18	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	16,13	kW
Nominal absorbed power	D_C	4,57	kW
Declared COP	COP_C	3,53	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	18,47	kW
Nominal absorbed power	D_A	3,81	kW
Declared COP	COP_D	4,85	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	10,05	kW
Nominal absorbed power	D_3	6,05	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- GP75 FRASCOLD
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*	2,81	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	16,60	kW
Nominal absorbed power	D_A	8,14	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	18,53	kW
Nominal absorbed power	D_B	7,75	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	21,30	kW
Nominal absorbed power	D_C	7,10	kW
Declared COP	COP_C	3,00	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	24,10	kW
Nominal absorbed power	D_A	6,29	kW
Declared COP	COP_D	3,83	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	13,58	kW
Nominal absorbed power	D_3	8,76	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- GP100 FRASCOLD
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	20,87	kW
Nominal absorbed power	D_A	9,80	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	23,42	kW
Nominal absorbed power	D_B	9,33	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	21,13	kW
Nominal absorbed power	D_C	6,64	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	30,89	kW
Nominal absorbed power	D_A	7,59	kW
Declared COP	COP_D	4,07	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	16,93	kW
Nominal absorbed power	D_3	10,33	kW
Declared COP	COP_3	1,64	

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	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*	3,09	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	28,69	kW
Nominal absorbed power	D_A	13,04	kW
Nominal COP	COP_A	2,20	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	31,72	kW
Nominal absorbed power	D_B	12,20	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	35,98	kW
Nominal absorbed power	D_C	10,87	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	40,13	kW
Nominal absorbed power	D_A	9,53	kW
Declared COP	COP_D	4,21	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	23,88	kW
Nominal absorbed power	D_3	14,21	kW
Declared COP	COP_3	1,68	

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	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	30,91	kW
Nominal absorbed power	D_A	14,51	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	34,17	kW
Nominal absorbed power	D_B	13,56	kW
Declared COP	COP_B	2,52	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	38,83	kW
Nominal absorbed power	D_C	12,13	kW
Declared COP	COP_C	3,20	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	43,52	kW
Nominal absorbed power	D_A	10,64	kW
Declared COP	COP_D	4,09	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	25,74	kW
Nominal absorbed power	D_3	15,70	kW
Declared COP	COP_3	1,64	

Control of capacity	*fixed*

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

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