

MISAMETIC REFREEX TN FRASCOLD R407F

**ENERGY EFFICIENCY
DATA SHEETS**

Model	MISAMETIC REFREEX - GP05R FRASCO
Refrigerating Fluid	R407F

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	2,02	kW
Nominal absorbed power	D_A	0,94	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	2,24	kW
Nominal absorbed power	D_B	0,89	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	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	1,68	kW
Nominal absorbed power	D_3	0,99	kW
Declared COP	COP_3	1,70	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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EPTA S.p.A.
Unità Locale
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00071 - Pomezia (RM) - Italia

Model	MISAMETIC REFREEX- GP10R FRASCOL
Refrigerating Fluid	R407F

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	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP15R FRASCOL
Refrigerating Fluid	R407F

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	3,58	kW
Nominal absorbed power	D_A	1,69	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	3,93	kW
Nominal absorbed power	D_B	1,59	kW
Declared COP	COP_B	2,47	

**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	3,05	kW
Nominal absorbed power	D_3	1,80	kW
Declared COP	COP_3	1,69	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP20R FRASCOL
Refrigerating Fluid	R407F

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	4,63	kW
Nominal absorbed power	D_A	2,08	kW
Nominal COP	COP_A	2,23	

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

Nominal cooling capacity	P_B	5,06	kW
Nominal absorbed power	D_B	1,95	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	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	3,94	kW
Nominal absorbed power	D_3	2,25	kW
Declared COP	COP_3	1,75	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP25R FRASCOL
Refrigerating Fluid	R407F

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	5,14	kW
Nominal absorbed power	D_A	2,36	kW
Nominal COP	COP_A	2,18	

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

Nominal cooling capacity	P_B	5,64	kW
Nominal absorbed power	D_B	2,21	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	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	4,37	kW
Nominal absorbed power	D_3	2,54	kW
Declared COP	COP_3	1,72	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP30R FRASCOL
Refrigerating Fluid	R407F

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	7,67	kW
Nominal absorbed power	D_A	3,70	kW
Nominal COP	COP_A	2,07	

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

Nominal cooling capacity	P_B	8,32	kW
Nominal absorbed power	D_B	3,48	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	9,39	kW
Nominal absorbed power	D_C	3,14	kW
Declared COP	COP_C	2,99	

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

Nominal cooling capacity	P_D	10,47	kW
Nominal absorbed power	D_A	2,75	kW
Declared COP	COP_D	3,81	

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

Nominal cooling capacity	P_3	6,43	kW
Nominal absorbed power	D_3	3,85	kW
Declared COP	COP_3	1,67	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP40R FRASCOL
Refrigerating Fluid	R407F

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	9,03	kW
Nominal absorbed power	D_A	4,11	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	9,90	kW
Nominal absorbed power	D_B	3,88	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	11,15	kW
Nominal absorbed power	D_C	3,48	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	12,40	kW
Nominal absorbed power	D_A	3,02	kW
Declared COP	COP_D	4,10	

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

Nominal cooling capacity	P_3	7,70	kW
Nominal absorbed power	D_3	4,42	kW
Declared COP	COP_3	1,74	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP47R FRASCOL
Refrigerating Fluid	R407F

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	10,04	kW
Nominal absorbed power	D_A	4,60	kW
Nominal COP	COP_A	2,18	

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

Nominal cooling capacity	P_B	11,06	kW
Nominal absorbed power	D_B	4,35	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	12,52	kW
Nominal absorbed power	D_C	3,92	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	13,96	kW
Nominal absorbed power	D_A	3,41	kW
Declared COP	COP_D	4,09	

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

Nominal cooling capacity	P_3	8,46	kW
Nominal absorbed power	D_3	4,89	kW
Declared COP	COP_3	1,73	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP50R FRASCOL
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,30	

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

Nominal cooling capacity	P_A	12,46	kW
Nominal absorbed power	D_A	5,39	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	13,75	kW
Nominal absorbed power	D_B	5,06	kW
Declared COP	COP_B	2,72	

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

Nominal cooling capacity	P_C	15,62	kW
Nominal absorbed power	D_C	4,49	kW
Declared COP	COP_C	3,48	

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

Nominal cooling capacity	P_D	17,51	kW
Nominal absorbed power	D_A	3,81	kW
Declared COP	COP_D	4,60	

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

Nominal cooling capacity	P_3	10,50	kW
Nominal absorbed power	D_3	5,84	kW
Declared COP	COP_3	1,80	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP75R FRASCOL
Refrigerating Fluid	R407F

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	16,42	kW
Nominal absorbed power	D_A	7,50	kW
Nominal COP	COP_A	2,19	

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

Nominal cooling capacity	P_B	18,01	kW
Nominal absorbed power	D_B	7,06	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	20,32	kW
Nominal absorbed power	D_C	6,35	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	22,66	kW
Nominal absorbed power	D_A	5,53	kW
Declared COP	COP_D	4,10	

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

Nominal cooling capacity	P_3	14,00	kW
Nominal absorbed power	D_3	8,05	kW
Declared COP	COP_3	1,74	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP100R FRASCO
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,16	

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

Nominal cooling capacity	P_A	20,97	kW
Nominal absorbed power	D_A	9,20	kW
Nominal COP	COP_A	2,28	

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

Nominal cooling capacity	P_B	23,14	kW
Nominal absorbed power	D_B	8,70	kW
Declared COP	COP_B	2,66	

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

Nominal cooling capacity	P_C	26,35	kW
Nominal absorbed power	D_C	7,84	kW
Declared COP	COP_C	3,36	

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

Nominal cooling capacity	P_D	29,73	kW
Nominal absorbed power	D_A	6,85	kW
Declared COP	COP_D	4,34	

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	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP150R FRASCO
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,16	

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

Nominal cooling capacity	P_A	28,01	kW
Nominal absorbed power	D_A	12,29	kW
Nominal COP	COP_A	2,28	

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

Nominal cooling capacity	P_B	31,42	kW
Nominal absorbed power	D_B	11,77	kW
Declared COP	COP_B	2,67	

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

Nominal cooling capacity	P_C	36,42	kW
Nominal absorbed power	D_C	10,81	kW
Declared COP	COP_C	3,37	

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

Nominal cooling capacity	P_D	38,48	kW
Nominal absorbed power	D_A	8,87	kW
Declared COP	COP_D	4,34	

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

Nominal cooling capacity	P_3	23,55	kW
Nominal absorbed power	D_3	13,08	kW
Declared COP	COP_3	1,80	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
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Model	MISAMETIC REFREEX- GP200R FRASCO
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,25	

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

Nominal cooling capacity	P_A	29,64	kW
Nominal absorbed power	D_A	12,72	kW
Nominal COP	COP_A	2,33	

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

Nominal cooling capacity	P_B	32,74	kW
Nominal absorbed power	D_B	12,03	kW
Declared COP	COP_B	2,72	

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

Nominal cooling capacity	P_C	37,24	kW
Nominal absorbed power	D_C	10,83	kW
Declared COP	COP_C	3,44	

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

Nominal cooling capacity	P_D	41,79	kW
Nominal absorbed power	D_A	9,33	kW
Declared COP	COP_D	4,48	

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

Nominal cooling capacity	P_3	24,91	kW
Nominal absorbed power	D_3	13,61	kW
Declared COP	COP_3	1,83	

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