


EPTAMETIC FRASCOLD R404a

ENERGY EFFICIENCY DATA SHEETS

*Values of COP and SEPR in conformity
to the rule UE2015/1095 of May 5th 2015*

N° DOC. Im000100
REV. "00" - 01.07.17

TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN18 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	1,44	kW
Nominal absorbed power	<i>DA</i>	1,33	kW
Nominal COP	<i>COPA</i>	1,08	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	1,62	kW
Nominal absorbed power	<i>DB</i>	1,29	kW
Declared COP	<i>COPB</i>	1,25	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	x	kW
Nominal absorbed power	<i>DC</i>	x	kW
Declared COP	<i>COPC</i>	x	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	x	kW
Nominal absorbed power	<i>DA</i>	x	kW
Declared COP	<i>COPD</i>	x	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	1,15	kW
Nominal absorbed power	<i>D3</i>	1,38	kW
Declared COP	<i>COP3</i>	0,83	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN28 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,50	kW
Nominal absorbed power	<i>DA</i>	2,21	kW
Nominal COP	<i>COPA</i>	1,13	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	2,81	kW
Nominal absorbed power	<i>DB</i>	2,15	kW
Declared COP	<i>COPB</i>	1,31	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	3,31	kW
Nominal absorbed power	<i>DC</i>	2,03	kW
Declared COP	<i>COPC</i>	1,63	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	3,88	kW
Nominal absorbed power	<i>DA</i>	1,91	kW
Declared COP	<i>COPD</i>	2,03	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,06	kW
Nominal absorbed power	<i>D3</i>	2,34	kW
Declared COP	<i>COP3</i>	0,88	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN40 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-35°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	1,62	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,68	kW
Nominal absorbed power	<i>DA</i>	2,29	kW
Nominal COP	<i>COPA</i>	1,17	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,08	kW
Nominal absorbed power	<i>DB</i>	2,25	kW
Declared COP	<i>COPB</i>	1,37	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	3,66	kW
Nominal absorbed power	<i>DC</i>	2,15	kW
Declared COP	<i>COPC</i>	1,70	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	4,27	kW
Nominal absorbed power	<i>DA</i>	2,01	kW
Declared COP	<i>COPD</i>	2,12	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,08	kW
Nominal absorbed power	<i>D3</i>	2,34	kW
Declared COP	<i>COP3</i>	0,89	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN41 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	3,20	kW
Nominal absorbed power	<i>DA</i>	2,71	kW
Nominal COP	<i>COPA</i>	1,18	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,59	kW
Nominal absorbed power	<i>DB</i>	2,66	kW
Declared COP	<i>COPB</i>	1,35	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	4,19	kW
Nominal absorbed power	<i>DC</i>	2,59	kW
Declared COP	<i>COPC</i>	1,62	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	4,82	kW
Nominal absorbed power	<i>DA</i>	2,45	kW
Declared COP	<i>COPD</i>	1,97	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,62	kW
Nominal absorbed power	<i>D3</i>	2,78	kW
Declared COP	<i>COP3</i>	0,94	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN50 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-35°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	1,73	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	3,69	kW
Nominal absorbed power	<i>DA</i>	3,02	kW
Nominal COP	<i>COPA</i>	1,22	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	4,25	kW
Nominal absorbed power	<i>DB</i>	2,95	kW
Declared COP	<i>COPB</i>	1,44	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	5,08	kW
Nominal absorbed power	<i>DC</i>	2,81	kW
Declared COP	<i>COPC</i>	1,81	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	5,94	kW
Nominal absorbed power	<i>DA</i>	2,58	kW
Declared COP	<i>COPD</i>	2,30	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,83	kW
Nominal absorbed power	<i>D3</i>	3,07	kW
Declared COP	<i>COP3</i>	0,92	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG

Model	EPTAMETIC- GN70 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	4,68	kW
Nominal absorbed power	<i>DA</i>	4,00	kW
Nominal COP	<i>COPA</i>	1,17	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	5,34	kW
Nominal absorbed power	<i>DB</i>	3,95	kW
Declared COP	<i>COPB</i>	1,35	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	6,29	kW
Nominal absorbed power	<i>DC</i>	3,77	kW
Declared COP	<i>COPC</i>	1,67	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	7,26	kW
Nominal absorbed power	<i>DA</i>	3,49	kW
Declared COP	<i>COPD</i>	2,08	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	3,69	kW
Nominal absorbed power	<i>D3</i>	4,05	kW
Declared COP	<i>COP3</i>	0,91	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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Model	EPTAMETIC- GN75 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-35°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	1,62	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	5,65	kW
Nominal absorbed power	<i>DA</i>	4,67	kW
Nominal COP	<i>COPA</i>	1,21	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	6,38	kW
Nominal absorbed power	<i>DB</i>	4,59	kW
Declared COP	<i>COPB</i>	1,39	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	7,50	kW
Nominal absorbed power	<i>DC</i>	4,44	kW
Declared COP	<i>COPC</i>	1,69	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	8,71	kW
Nominal absorbed power	<i>DA</i>	4,19	kW
Declared COP	<i>COPD</i>	2,08	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	4,59	kW
Nominal absorbed power	<i>D3</i>	4,79	kW
Declared COP	<i>COP3</i>	0,96	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN76 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-35°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	1,76	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	7,21	kW
Nominal absorbed power	<i>DA</i>	5,46	kW
Nominal COP	<i>COPA</i>	1,32	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	8,23	kW
Nominal absorbed power	<i>DB</i>	5,38	kW
Declared COP	<i>COPB</i>	1,53	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	9,63	kW
Nominal absorbed power	<i>DC</i>	5,20	kW
Declared COP	<i>COPC</i>	1,85	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	10,91	kW
Nominal absorbed power	<i>DA</i>	4,89	kW
Declared COP	<i>COPD</i>	2,23	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	5,61	kW
Nominal absorbed power	<i>D3</i>	5,45	kW
Declared COP	<i>COP3</i>	1,03	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN100 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	9,45	kW
Nominal absorbed power	<i>DA</i>	7,44	kW
Nominal COP	<i>COPA</i>	1,27	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	10,62	kW
Nominal absorbed power	<i>DB</i>	7,18	kW
Declared COP	<i>COPB</i>	1,48	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	12,25	kW
Nominal absorbed power	<i>DC</i>	6,80	kW
Declared COP	<i>COPC</i>	1,80	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	13,85	kW
Nominal absorbed power	<i>DA</i>	6,44	kW
Declared COP	<i>COPD</i>	2,15	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	7,52	kW
Nominal absorbed power	<i>D3</i>	7,67	kW
Declared COP	<i>COP3</i>	0,98	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GN150 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-35°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	1,65	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	12,78	kW
Nominal absorbed power	<i>DA</i>	10,31	kW
Nominal COP	<i>COPA</i>	1,24	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	14,46	kW
Nominal absorbed power	<i>DB</i>	10,04	kW
Declared COP	<i>COPB</i>	1,44	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	16,80	kW
Nominal absorbed power	<i>DC</i>	9,65	kW
Declared COP	<i>COPC</i>	1,74	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	19,07	kW
Nominal absorbed power	<i>DA</i>	9,21	kW
Declared COP	<i>COPD</i>	2,07	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	10,08	kW
Nominal absorbed power	<i>D3</i>	10,39	kW
Declared COP	<i>COP3</i>	0,97	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GN200 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-35°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	1,70	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	10,15	kW
Nominal absorbed power	<i>DA</i>	7,93	kW
Nominal COP	<i>COPA</i>	1,28	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	11,47	kW
Nominal absorbed power	<i>DB</i>	7,75	kW
Declared COP	<i>COPB</i>	1,48	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	13,32	kW
Nominal absorbed power	<i>DC</i>	7,44	kW
Declared COP	<i>COPC</i>	1,79	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	14,09	kW
Nominal absorbed power	<i>DA</i>	7,30	kW
Declared COP	<i>COPD</i>	1,93	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	7,99	kW
Nominal absorbed power	<i>D3</i>	8,07	kW
Declared COP	<i>COP3</i>	0,99	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GN300 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	14,08	kW
Nominal absorbed power	<i>DA</i>	11,64	kW
Nominal COP	<i>COPA</i>	1,21	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	15,82	kW
Nominal absorbed power	<i>DB</i>	11,47	kW
Declared COP	<i>COPB</i>	1,38	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	18,20	kW
Nominal absorbed power	<i>DC</i>	11,03	kW
Declared COP	<i>COPC</i>	1,65	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	20,27	kW
Nominal absorbed power	<i>DA</i>	10,39	kW
Declared COP	<i>COPD</i>	1,95	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	11,33	kW
Nominal absorbed power	<i>D3</i>	11,80	kW
Declared COP	<i>COP3</i>	0,96	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC - GP05 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,45	kW
Nominal absorbed power	<i>DA</i>	1,21	kW
Nominal COP	<i>COPA</i>	2,02	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	2,79	kW
Nominal absorbed power	<i>DB</i>	1,15	kW
Declared COP	<i>COPB</i>	2,43	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	x	kW
Nominal absorbed power	<i>DC</i>	x	kW
Declared COP	<i>COPC</i>	x	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	x	kW
Nominal absorbed power	<i>DA</i>	x	kW
Declared COP	<i>COPD</i>	x	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	1,92	kW
Nominal absorbed power	<i>D3</i>	1,30	kW
Declared COP	<i>COP3</i>	1,48	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GP10 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,65	kW
Nominal absorbed power	<i>DA</i>	1,29	kW
Nominal COP	<i>COPA</i>	2,05	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,00	kW
Nominal absorbed power	<i>DB</i>	1,21	kW
Declared COP	<i>COPB</i>	2,48	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	x	kW
Nominal absorbed power	<i>DC</i>	x	kW
Declared COP	<i>COPC</i>	x	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	x	kW
Nominal absorbed power	<i>DA</i>	x	kW
Declared COP	<i>COPD</i>	x	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,13	kW
Nominal absorbed power	<i>D3</i>	1,41	kW
Declared COP	<i>COP3</i>	1,51	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
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Model	EPTAMETIC- GP15 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	3,50	kW
Nominal absorbed power	<i>DA</i>	1,82	kW
Nominal COP	<i>COPA</i>	1,92	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,95	kW
Nominal absorbed power	<i>DB</i>	1,72	kW
Declared COP	<i>COPB</i>	2,29	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	x	kW
Nominal absorbed power	<i>DC</i>	x	kW
Declared COP	<i>COPC</i>	x	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	x	kW
Nominal absorbed power	<i>DA</i>	x	kW
Declared COP	<i>COPD</i>	x	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,81	kW
Nominal absorbed power	<i>D3</i>	1,94	kW
Declared COP	<i>COP3</i>	1,45	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
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Model	EPTAMETIC- GP20 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	4,48	kW
Nominal absorbed power	<i>DA</i>	2,27	kW
Nominal COP	<i>COPA</i>	1,97	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	5,02	kW
Nominal absorbed power	<i>DB</i>	2,14	kW
Declared COP	<i>COPB</i>	2,35	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	x	kW
Nominal absorbed power	<i>DC</i>	x	kW
Declared COP	<i>COPC</i>	x	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	x	kW
Nominal absorbed power	<i>DA</i>	x	kW
Declared COP	<i>COPD</i>	x	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	3,63	kW
Nominal absorbed power	<i>D3</i>	2,45	kW
Declared COP	<i>COP3</i>	1,48	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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Model	EPTAMETIC- GP25 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	4,90	kW
Nominal absorbed power	<i>DA</i>	2,61	kW
Nominal COP	<i>COPA</i>	1,88	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	5,48	kW
Nominal absorbed power	<i>DB</i>	2,47	kW
Declared COP	<i>COPB</i>	2,22	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	x	kW
Nominal absorbed power	<i>DC</i>	x	kW
Declared COP	<i>COPC</i>	x	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	x	kW
Nominal absorbed power	<i>DA</i>	x	kW
Declared COP	<i>COPD</i>	x	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	4,03	kW
Nominal absorbed power	<i>D3</i>	2,80	kW
Declared COP	<i>COP3</i>	1,44	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
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Model	EPTAMETIC- GP30 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	2,56	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	7,33	kW
Nominal absorbed power	<i>DA</i>	4,07	kW
Nominal COP	<i>COPA</i>	1,80	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	8,20	kW
Nominal absorbed power	<i>DB</i>	3,85	kW
Declared COP	<i>COPB</i>	2,13	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	9,51	kW
Nominal absorbed power	<i>DC</i>	3,51	kW
Declared COP	<i>COPC</i>	2,71	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	10,92	kW
Nominal absorbed power	<i>DA</i>	3,16	kW
Declared COP	<i>COPD</i>	3,46	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	6,05	kW
Nominal absorbed power	<i>D3</i>	4,42	kW
Declared COP	<i>COP3</i>	1,37	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
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N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GP40 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	2,70	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	9,26	kW
Nominal absorbed power	<i>DA</i>	4,82	kW
Nominal COP	<i>COPA</i>	1,92	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	10,29	kW
Nominal absorbed power	<i>DB</i>	4,51	kW
Declared COP	<i>COPB</i>	2,28	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	11,77	kW
Nominal absorbed power	<i>DC</i>	4,06	kW
Declared COP	<i>COPC</i>	2,90	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	13,20	kW
Nominal absorbed power	<i>DA</i>	3,58	kW
Declared COP	<i>COPD</i>	3,69	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	7,66	kW
Nominal absorbed power	<i>D3</i>	5,28	kW
Declared COP	<i>COP3</i>	1,45	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG

Model **EPTAMETIC- GP47 FRASCOLD**
Refrigerating Fluid **R404a**

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,00	

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

Nominal cooling capacity	<i>P_A</i>	10,34	kW
Nominal absorbed power	<i>D_A</i>	4,90	kW
Nominal COP	<i>COP_A</i>	2,11	

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

Nominal cooling capacity	<i>P_B</i>	11,43	kW
Nominal absorbed power	<i>D_B</i>	4,57	kW
Declared COP	<i>COP_B</i>	2,50	

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

Nominal cooling capacity	<i>P_C</i>	12,96	kW
Nominal absorbed power	<i>D_C</i>	4,06	kW
Declared COP	<i>COP_C</i>	3,19	

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


Nominal cooling capacity	<i>P_D</i>	14,43	kW
Nominal absorbed power	<i>D_A</i>	3,48	kW
Declared COP	<i>COP_D</i>	4,15	

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

Nominal cooling capacity	<i>P₃</i>	8,60	kW
Nominal absorbed power	<i>D₃</i>	5,34	kW
Declared COP	<i>COP₃</i>	1,61	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>C_{dc}</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GP50 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,35	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	12,37	kW
Nominal absorbed power	<i>DA</i>	5,57	kW
Nominal COP	<i>COPA</i>	2,22	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	13,89	kW
Nominal absorbed power	<i>DB</i>	5,18	kW
Declared COP	<i>COPB</i>	2,68	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	16,13	kW
Nominal absorbed power	<i>DC</i>	4,57	kW
Declared COP	<i>COPC</i>	3,53	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	18,47	kW
Nominal absorbed power	<i>DA</i>	3,81	kW
Declared COP	<i>COPD</i>	4,85	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	10,05	kW
Nominal absorbed power	<i>D3</i>	6,05	kW
Declared COP	<i>COP3</i>	1,66	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GP75 FRASCOLD
Refrigerating Fluid	R404a

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

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	16,60	kW
Nominal absorbed power	<i>DA</i>	8,14	kW
Nominal COP	<i>COPA</i>	2,04	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	18,53	kW
Nominal absorbed power	<i>DB</i>	7,75	kW
Declared COP	<i>COPB</i>	2,39	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	21,30	kW
Nominal absorbed power	<i>DC</i>	7,10	kW
Declared COP	<i>COPC</i>	3,00	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	24,10	kW
Nominal absorbed power	<i>DA</i>	6,29	kW
Declared COP	<i>COPD</i>	3,83	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	13,58	kW
Nominal absorbed power	<i>D3</i>	8,76	kW
Declared COP	<i>COP3</i>	1,55	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
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N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GP100 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	2,96	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	20,87	kW
Nominal absorbed power	<i>DA</i>	9,80	kW
Nominal COP	<i>COPA</i>	2,13	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	23,42	kW
Nominal absorbed power	<i>DB</i>	9,33	kW
Declared COP	<i>COPB</i>	2,51	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	21,13	kW
Nominal absorbed power	<i>DC</i>	6,64	kW
Declared COP	<i>COPC</i>	3,18	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	30,89	kW
Nominal absorbed power	<i>DA</i>	7,59	kW
Declared COP	<i>COPD</i>	4,07	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	16,93	kW
Nominal absorbed power	<i>D3</i>	10,33	kW
Declared COP	<i>COP3</i>	1,64	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GP150 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,09	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	28,69	kW
Nominal absorbed power	<i>DA</i>	13,04	kW
Nominal COP	<i>COPA</i>	2,20	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	31,72	kW
Nominal absorbed power	<i>DB</i>	12,20	kW
Declared COP	<i>COPB</i>	2,60	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	35,98	kW
Nominal absorbed power	<i>DC</i>	10,87	kW
Declared COP	<i>COPC</i>	3,31	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	40,13	kW
Nominal absorbed power	<i>DA</i>	9,53	kW
Declared COP	<i>COPD</i>	4,21	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	23,88	kW
Nominal absorbed power	<i>D3</i>	14,21	kW
Declared COP	<i>COP3</i>	1,68	

Control of capacity	<i>fixed</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GP200 FRASCOLD
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	x	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,00	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	30,91	kW
Nominal absorbed power	<i>DA</i>	14,51	kW
Nominal COP	<i>COPA</i>	2,13	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	34,17	kW
Nominal absorbed power	<i>DB</i>	13,56	kW
Declared COP	<i>COPB</i>	2,52	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	38,83	kW
Nominal absorbed power	<i>DC</i>	12,13	kW
Declared COP	<i>COPC</i>	3,20	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	43,52	kW
Nominal absorbed power	<i>DA</i>	10,64	kW
Declared COP	<i>COPD</i>	4,09	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	25,74	kW
Nominal absorbed power	<i>D3</i>	15,70	kW
Declared COP	<i>COP3</i>	1,64	

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