


EPTAMETIC BITZER 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
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		C		F				

Model	EPTAMETIC- GN18 BITZER
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>	1,49	kW
Nominal absorbed power	<i>DA</i>	1,32	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>	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>	1,13	kW
Nominal absorbed power	<i>D3</i>	1,34	kW
Declared COP	<i>COP3</i>	0,84	

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
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Model	EPTAMETIC- GN28 BITZER
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>	1,81	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,22	kW
Nominal absorbed power	<i>DA</i>	1,73	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>	2,65	kW
Nominal absorbed power	<i>DB</i>	1,70	kW
Declared COP	<i>COPB</i>	1,56	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	3,10	kW
Nominal absorbed power	<i>DC</i>	1,63	kW
Declared COP	<i>COPC</i>	1,91	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	3,53	kW
Nominal absorbed power	<i>DA</i>	1,50	kW
Declared COP	<i>COPD</i>	2,35	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	1,79	kW
Nominal absorbed power	<i>D3</i>	1,70	kW
Declared COP	<i>COP3</i>	1,05	

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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		C		F				

Model	EPTAMETIC- GN40 BITZER
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>	1,82	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,93	kW
Nominal absorbed power	<i>DA</i>	2,19	kW
Nominal COP	<i>COPA</i>	1,34	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,31	kW
Nominal absorbed power	<i>DB</i>	2,14	kW
Declared COP	<i>COPB</i>	1,55	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	3,85	kW
Nominal absorbed power	<i>DC</i>	2,02	kW
Declared COP	<i>COPC</i>	1,90	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	4,34	kW
Nominal absorbed power	<i>DA</i>	1,86	kW
Declared COP	<i>COPD</i>	2,33	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,29	kW
Nominal absorbed power	<i>D3</i>	2,20	kW
Declared COP	<i>COP3</i>	1,04	

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- GN41 BITZER
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>	1,75	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	3,14	kW
Nominal absorbed power	<i>DA</i>	2,42	kW
Nominal COP	<i>COPA</i>	1,30	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,52	kW
Nominal absorbed power	<i>DB</i>	2,35	kW
Declared COP	<i>COPB</i>	1,50	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	4,03	kW
Nominal absorbed power	<i>DC</i>	2,21	kW
Declared COP	<i>COPC</i>	1,82	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	4,47	kW
Nominal absorbed power	<i>DA</i>	2,00	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>	2,52	kW
Nominal absorbed power	<i>D3</i>	2,45	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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		C		F				

Model	EPTAMETIC- GN50 BITZER
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>	1,77	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	3,99	kW
Nominal absorbed power	<i>DA</i>	3,05	kW
Nominal COP	<i>COPA</i>	1,31	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	4,48	kW
Nominal absorbed power	<i>DB</i>	2,97	kW
Declared COP	<i>COPB</i>	1,51	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	5,16	kW
Nominal absorbed power	<i>DC</i>	2,80	kW
Declared COP	<i>COPC</i>	1,84	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	5,79	kW
Nominal absorbed power	<i>DA</i>	2,56	kW
Declared COP	<i>COPD</i>	2,26	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	3,19	kW
Nominal absorbed power	<i>D3</i>	3,10	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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PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
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		C		F				

Model	EPTAMETIC- GN70 BITZER
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>	1,60	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	4,82	kW
Nominal absorbed power	<i>DA</i>	3,89	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>	5,43	kW
Nominal absorbed power	<i>DB</i>	3,82	kW
Declared COP	<i>COPB</i>	1,42	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	6,28	kW
Nominal absorbed power	<i>DC</i>	3,61	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>	7,11	kW
Nominal absorbed power	<i>DA</i>	3,35	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>	3,87	kW
Nominal absorbed power	<i>D3</i>	3,98	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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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
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N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GN75 BITZER
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>	5,34	kW
Nominal absorbed power	<i>DA</i>	4,11	kW
Nominal COP	<i>COPA</i>	1,30	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	6,19	kW
Nominal absorbed power	<i>DB</i>	4,10	kW
Declared COP	<i>COPB</i>	1,51	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	7,45	kW
Nominal absorbed power	<i>DC</i>	4,09	kW
Declared COP	<i>COPC</i>	1,82	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	8,80	kW
Nominal absorbed power	<i>DA</i>	4,07	kW
Declared COP	<i>COPD</i>	2,16	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	4,08	kW
Nominal absorbed power	<i>D3</i>	4,08	kW
Declared COP	<i>COP3</i>	1,00	

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			
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Model	EPTAMETIC- GN76 BITZER
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>	1,81	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	6,91	kW
Nominal absorbed power	<i>DA</i>	5,04	kW
Nominal COP	<i>COPA</i>	1,37	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	7,91	kW
Nominal absorbed power	<i>DB</i>	5,00	kW
Declared COP	<i>COPB</i>	1,58	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	9,38	kW
Nominal absorbed power	<i>DC</i>	4,89	kW
Declared COP	<i>COPC</i>	1,92	

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>	4,75	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>	5,37	kW
Nominal absorbed power	<i>D3</i>	5,07	kW
Declared COP	<i>COP3</i>	1,06	

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			
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		C		F				

Model	EPTAMETIC- GN100 BITZER
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>	1,68	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	7,59	kW
Nominal absorbed power	<i>DA</i>	6,02	kW
Nominal COP	<i>COPA</i>	1,26	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	8,82	kW
Nominal absorbed power	<i>DB</i>	6,04	kW
Declared COP	<i>COPB</i>	1,46	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	10,60	kW
Nominal absorbed power	<i>DC</i>	5,95	kW
Declared COP	<i>COPC</i>	1,78	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	12,40	kW
Nominal absorbed power	<i>DA</i>	5,77	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>	5,71	kW
Nominal absorbed power	<i>D3</i>	5,83	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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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R404a	ORD.	DATE	ORD.	DATE			
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		C		F				

Model	EPTAMETIC- GN150 BITZER
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>	13,43	kW
Nominal absorbed power	<i>DA</i>	10,58	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>	15,82	kW
Nominal absorbed power	<i>DB</i>	10,84	kW
Declared COP	<i>COPB</i>	1,46	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	17,67	kW
Nominal absorbed power	<i>DC</i>	10,04	kW
Declared COP	<i>COPC</i>	1,76	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	20,11	kW
Nominal absorbed power	<i>DA</i>	9,48	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>	10,71	kW
Nominal absorbed power	<i>D3</i>	10,60	kW
Declared COP	<i>COP3</i>	1,01	

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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		C		F				

Model	EPTAMETIC- GN200 BITZER
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>	9,27	kW
Nominal absorbed power	<i>DA</i>	7,30	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>	7,27	kW
Declared COP	<i>COPB</i>	1,46	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	12,54	kW
Nominal absorbed power	<i>DC</i>	7,04	kW
Declared COP	<i>COPC</i>	1,78	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	13,19	kW
Nominal absorbed power	<i>DA</i>	6,91	kW
Declared COP	<i>COPD</i>	1,91	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	7,14	kW
Nominal absorbed power	<i>D3</i>	7,14	kW
Declared COP	<i>COP3</i>	1,00	

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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		C		F				

Model	EPTAMETIC- GN300 BITZER
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>	1,72	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	15,91	kW
Nominal absorbed power	<i>DA</i>	12,15	kW
Nominal COP	<i>COPA</i>	1,31	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	17,84	kW
Nominal absorbed power	<i>DB</i>	11,89	kW
Declared COP	<i>COPB</i>	1,50	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	20,55	kW
Nominal absorbed power	<i>DC</i>	11,42	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>	23,16	kW
Nominal absorbed power	<i>DA</i>	10,67	kW
Declared COP	<i>COPD</i>	2,17	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	12,89	kW
Nominal absorbed power	<i>D3</i>	12,40	kW
Declared COP	<i>COP3</i>	1,04	

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

Model	EPTAMETIC- GP05 BITZER
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>	2,02	kW
Nominal absorbed power	<i>DA</i>	0,97	kW
Nominal COP	<i>COPA</i>	2,09	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	2,31	kW
Nominal absorbed power	<i>DB</i>	0,91	kW
Declared COP	<i>COPB</i>	2,53	


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>	1,60	kW
Nominal absorbed power	<i>D3</i>	1,05	kW
Declared COP	<i>COP3</i>	1,52	

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- GP10 BITZER
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>	2,62	kW
Nominal absorbed power	<i>DA</i>	1,29	kW
Nominal COP	<i>COPA</i>	2,03	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	2,96	kW
Nominal absorbed power	<i>DB</i>	1,22	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>	2,10	kW
Nominal absorbed power	<i>D3</i>	1,40	kW
Declared COP	<i>COP3</i>	1,50	

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
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Model	EPTAMETIC- GP15 BITZER
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>	3,25	kW
Nominal absorbed power	<i>DA</i>	1,67	kW
Nominal COP	<i>COPA</i>	1,95	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	3,67	kW
Nominal absorbed power	<i>DB</i>	1,58	kW
Declared COP	<i>COPB</i>	2,32	


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>	2,60	kW
Nominal absorbed power	<i>D3</i>	1,78	kW
Declared COP	<i>COP3</i>	1,46	

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- GP20 BITZER
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>	4,68	kW
Nominal absorbed power	<i>DA</i>	2,35	kW
Nominal COP	<i>COPA</i>	1,99	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	5,30	kW
Nominal absorbed power	<i>DB</i>	2,22	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>	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>	3,76	kW
Nominal absorbed power	<i>D3</i>	2,57	kW
Declared COP	<i>COP3</i>	1,46	

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- GP25 BITZER
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>	5,77	kW
Nominal absorbed power	<i>DA</i>	2,72	kW
Nominal COP	<i>COPA</i>	2,12	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	6,49	kW
Nominal absorbed power	<i>DB</i>	2,58	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>	7,49	kW
Nominal absorbed power	<i>DC</i>	2,33	kW
Declared COP	<i>COPC</i>	3,21	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	8,47	kW
Nominal absorbed power	<i>DA</i>	2,05	kW
Declared COP	<i>COPD</i>	4,14	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	4,62	kW
Nominal absorbed power	<i>D3</i>	2,87	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>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- GP30 BITZER
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>	2,79	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	8,28	kW
Nominal absorbed power	<i>DA</i>	4,18	kW
Nominal COP	<i>COPA</i>	1,98	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	9,28	kW
Nominal absorbed power	<i>DB</i>	3,95	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>	10,68	kW
Nominal absorbed power	<i>DC</i>	3,58	kW
Declared COP	<i>COPC</i>	2,98	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	12,03	kW
Nominal absorbed power	<i>DA</i>	3,13	kW
Declared COP	<i>COPD</i>	3,85	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	6,69	kW
Nominal absorbed power	<i>D3</i>	4,43	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		
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- GP40 BITZER
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>	3,04	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	9,34	kW
Nominal absorbed power	<i>DA</i>	4,43	kW
Nominal COP	<i>COPA</i>	2,11	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	10,45	kW
Nominal absorbed power	<i>DB</i>	4,16	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>	11,99	kW
Nominal absorbed power	<i>DC</i>	3,71	kW
Declared COP	<i>COPC</i>	3,23	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	13,47	kW
Nominal absorbed power	<i>DA</i>	3,18	kW
Declared COP	<i>COPD</i>	4,24	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	7,57	kW
Nominal absorbed power	<i>D3</i>	4,73	kW
Declared COP	<i>COP3</i>	1,60	

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- GP47 BITZER
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>	3,02	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	12,22	kW
Nominal absorbed power	<i>DA</i>	5,82	kW
Nominal COP	<i>COPA</i>	2,10	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	13,62	kW
Nominal absorbed power	<i>DB</i>	5,45	kW
Declared COP	<i>COPB</i>	2,50	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	15,57	kW
Nominal absorbed power	<i>DC</i>	4,84	kW
Declared COP	<i>COPC</i>	3,22	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	17,45	kW
Nominal absorbed power	<i>DA</i>	4,14	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>	9,98	kW
Nominal absorbed power	<i>D3</i>	6,28	kW
Declared COP	<i>COP3</i>	1,59	

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- GP50 BITZER
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>	3,26	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	14,55	kW
Nominal absorbed power	<i>DA</i>	6,50	kW
Nominal COP	<i>COPA</i>	2,24	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	16,21	kW
Nominal absorbed power	<i>DB</i>	6,07	kW
Declared COP	<i>COPB</i>	2,67	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	18,56	kW
Nominal absorbed power	<i>DC</i>	5,37	kW
Declared COP	<i>COPC</i>	3,46	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	20,88	kW
Nominal absorbed power	<i>DA</i>	4,55	kW
Declared COP	<i>COPD</i>	4,59	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	11,92	kW
Nominal absorbed power	<i>D3</i>	7,05	kW
Declared COP	<i>COP3</i>	1,69	

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			
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N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GP75 BITZER
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>	2,99	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	17,38	kW
Nominal absorbed power	<i>DA</i>	8,12	kW
Nominal COP	<i>COPA</i>	2,14	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	19,54	kW
Nominal absorbed power	<i>DB</i>	7,72	kW
Declared COP	<i>COPB</i>	2,53	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	22,73	kW
Nominal absorbed power	<i>DC</i>	7,06	kW
Declared COP	<i>COPC</i>	3,22	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	26,07	kW
Nominal absorbed power	<i>DA</i>	6,36	kW
Declared COP	<i>COPD</i>	4,10	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	14,10	kW
Nominal absorbed power	<i>D3</i>	8,71	kW
Declared COP	<i>COP3</i>	1,62	

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			
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N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GP100 BITZER
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>	21,88	kW
Nominal absorbed power	<i>DA</i>	10,32	kW
Nominal COP	<i>COPA</i>	2,12	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	24,51	kW
Nominal absorbed power	<i>DB</i>	9,80	kW
Declared COP	<i>COPB</i>	2,50	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	28,33	kW
Nominal absorbed power	<i>DC</i>	8,91	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>	32,24	kW
Nominal absorbed power	<i>DA</i>	7,92	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>	17,83	kW
Nominal absorbed power	<i>D3</i>	11,14	kW
Declared COP	<i>COP3</i>	1,60	

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			
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N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GP150 BITZER
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>	3,20	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	26,48	kW
Nominal absorbed power	<i>DA</i>	11,72	kW
Nominal COP	<i>COPA</i>	2,26	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	29,73	kW
Nominal absorbed power	<i>DB</i>	11,09	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>	34,37	kW
Nominal absorbed power	<i>DC</i>	10,02	kW
Declared COP	<i>COPC</i>	3,43	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	38,96	kW
Nominal absorbed power	<i>DA</i>	8,77	kW
Declared COP	<i>COPD</i>	4,44	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	21,40	kW
Nominal absorbed power	<i>D3</i>	12,44	kW
Declared COP	<i>COP3</i>	1,72	

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			
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Model **EPTAMETIC- GP200 BITZER**
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>	3,14	

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

Nominal cooling capacity	<i>PA</i>	30,79	kW
Nominal absorbed power	<i>DA</i>	13,93	kW
Nominal COP	<i>COPA</i>	2,21	

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

Nominal cooling capacity	<i>PB</i>	34,41	kW
Nominal absorbed power	<i>DB</i>	13,18	kW
Declared COP	<i>COPB</i>	2,61	

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

Nominal cooling capacity	<i>PC</i>	39,48	kW
Nominal absorbed power	<i>DC</i>	11,82	kW
Declared COP	<i>COPC</i>	3,34	

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

Nominal cooling capacity	<i>PD</i>	44,36	kW
Nominal absorbed power	<i>DA</i>	10,18	kW
Declared COP	<i>COPD</i>	4,36	

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

Nominal cooling capacity	<i>P3</i>	25,03	kW
Nominal absorbed power	<i>D3</i>	14,90	kW
Declared COP	<i>COP3</i>	1,68	

Control of capacity *fixed*

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



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