


EPTAMETIC BITZER R407F

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 R407F	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GN18 BITZER
Refrigerating Fluid	R407F

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>	1,40	kW
Nominal absorbed power	<i>DA</i>	1,16	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>	1,58	kW
Nominal absorbed power	<i>DB</i>	1,15	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>	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>	1,11	kW
Nominal absorbed power	<i>D3</i>	1,14	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		
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Model	EPTAMETIC- GN28 BITZER
Refrigerating Fluid	R407F

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>	1,81	kW
Nominal absorbed power	<i>DA</i>	1,42	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>	2,08	kW
Nominal absorbed power	<i>DB</i>	1,42	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>	2,46	kW
Nominal absorbed power	<i>DC</i>	1,40	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>	2,85	kW
Nominal absorbed power	<i>DA</i>	1,34	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>	1,38	kW
Nominal absorbed power	<i>D3</i>	1,36	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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Model	EPTAMETIC- GN40 BITZER
Refrigerating Fluid	R404F

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>	1,67	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	2,32	kW
Nominal absorbed power	<i>DA</i>	1,81	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>	2,64	kW
Nominal absorbed power	<i>DB</i>	1,80	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>	3,08	kW
Nominal absorbed power	<i>DC</i>	1,75	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>	3,52	kW
Nominal absorbed power	<i>DA</i>	1,66	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>	1,83	kW
Nominal absorbed power	<i>D3</i>	1,80	kW
Declared COP	<i>COP3</i>	1,02	

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- GN41 BITZER
Refrigerating Fluid	R407F

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>	2,48	kW
Nominal absorbed power	<i>DA</i>	1,94	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>	2,84	kW
Nominal absorbed power	<i>DB</i>	1,93	kW
Declared COP	<i>COPB</i>	1,47	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	3,35	kW
Nominal absorbed power	<i>DC</i>	1,89	kW
Declared COP	<i>COPC</i>	1,77	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	3,84	kW
Nominal absorbed power	<i>DA</i>	1,87	kW
Declared COP	<i>COPD</i>	2,05	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	1,95	kW
Nominal absorbed power	<i>D3</i>	1,93	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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Model	EPTAMETIC- GN50 BITZER
Refrigerating Fluid	R407F

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>	1,66	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	3,67	kW
Nominal absorbed power	<i>DA</i>	2,87	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>	4,23	kW
Nominal absorbed power	<i>DB</i>	2,86	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>	5,01	kW
Nominal absorbed power	<i>DC</i>	2,81	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>	5,38	kW
Nominal absorbed power	<i>DA</i>	2,61	kW
Declared COP	<i>COPD</i>	2,06	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	2,92	kW
Nominal absorbed power	<i>D3</i>	2,89	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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Model	EPTAMETIC- GN70 BITZER
Refrigerating Fluid	R407F

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>	3,65	kW
Nominal absorbed power	<i>DA</i>	3,15	kW
Nominal COP	<i>COPA</i>	1,16	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	4,19	kW
Nominal absorbed power	<i>DB</i>	3,13	kW
Declared COP	<i>COPB</i>	1,34	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	4,97	kW
Nominal absorbed power	<i>DC</i>	3,09	kW
Declared COP	<i>COPC</i>	1,61	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	5,72	kW
Nominal absorbed power	<i>DA</i>	2,96	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>	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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Model	EPTAMETIC- GN75 BITZER
Refrigerating Fluid	R407F

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>	4,19	kW
Nominal absorbed power	<i>DA</i>	3,46	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>	4,96	kW
Nominal absorbed power	<i>DB</i>	3,54	kW
Declared COP	<i>COPB</i>	1,40	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	6,07	kW
Nominal absorbed power	<i>DC</i>	3,59	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>	7,18	kW
Nominal absorbed power	<i>DA</i>	3,54	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>	2,97	kW
Nominal absorbed power	<i>D3</i>	3,23	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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Model	EPTAMETIC- GN76 BITZER
Refrigerating Fluid	R407F

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>	5,41	kW
Nominal absorbed power	<i>DA</i>	4,22	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>	6,32	kW
Nominal absorbed power	<i>DB</i>	4,27	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>	7,63	kW
Nominal absorbed power	<i>DC</i>	4,26	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>	8,92	kW
Nominal absorbed power	<i>DA</i>	4,15	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>	3,96	kW
Nominal absorbed power	<i>D3</i>	4,00	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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Model	EPTAMETIC- GN100 BITZER
Refrigerating Fluid	R407F

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>	5,80	kW
Nominal absorbed power	<i>DA</i>	5,05	kW
Nominal COP	<i>COPA</i>	1,15	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	6,94	kW
Nominal absorbed power	<i>DB</i>	5,18	kW
Declared COP	<i>COPB</i>	1,34	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	8,58	kW
Nominal absorbed power	<i>DC</i>	5,23	kW
Declared COP	<i>COPC</i>	1,64	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	10,20	kW
Nominal absorbed power	<i>DA</i>	5,18	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>	4,02	kW
Nominal absorbed power	<i>D3</i>	4,62	kW
Declared COP	<i>COP3</i>	0,87	

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- GN150 BITZER
Refrigerating Fluid	R407F

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>	10,36	kW
Nominal absorbed power	<i>DA</i>	9,01	kW
Nominal COP	<i>COPA</i>	1,15	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	11,84	kW
Nominal absorbed power	<i>DB</i>	8,91	kW
Declared COP	<i>COPB</i>	1,33	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	14,01	kW
Nominal absorbed power	<i>DC</i>	8,65	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>	16,15	kW
Nominal absorbed power	<i>DA</i>	8,32	kW
Declared COP	<i>COPD</i>	1,94	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	8,11	kW
Nominal absorbed power	<i>D3</i>	9,11	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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Model	EPTAMETIC- GN200 BITZER
Refrigerating Fluid	R407F

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>	1,64	

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>	6,00	kW
Nominal COP	<i>COPA</i>	1,20	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	8,46	kW
Nominal absorbed power	<i>DB</i>	6,09	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>	10,26	kW
Nominal absorbed power	<i>DC</i>	6,11	kW
Declared COP	<i>COPC</i>	1,68	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	12,05	kW
Nominal absorbed power	<i>DA</i>	5,97	kW
Declared COP	<i>COPD</i>	2,02	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	5,24	kW
Nominal absorbed power	<i>D3</i>	5,63	kW
Declared COP	<i>COP3</i>	0,93	

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- GN300 BITZER
Refrigerating Fluid	R407F

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>	12,45	kW
Nominal absorbed power	<i>DA</i>	10,46	kW
Nominal COP	<i>COPA</i>	1,19	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	14,11	kW
Nominal absorbed power	<i>DB</i>	10,30	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>	16,52	kW
Nominal absorbed power	<i>DC</i>	9,89	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>	18,90	kW
Nominal absorbed power	<i>DA</i>	9,40	kW
Declared COP	<i>COPD</i>	2,01	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	9,94	kW
Nominal absorbed power	<i>D3</i>	10,81	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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TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	EPTAMETIC BITZER R407F	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
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Model	EPTAMETIC- GP05 BITZER
Refrigerating Fluid	R407F

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>	2,08	kW
Nominal absorbed power	<i>DA</i>	0,97	kW
Nominal COP	<i>COPA</i>	2,15	

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>	0,92	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>	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>	1,73	kW
Nominal absorbed power	<i>D3</i>	1,02	kW
Declared COP	<i>COP3</i>	1,70	

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- GP10 BITZER
Refrigerating Fluid	R407F

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>	2,69	kW
Nominal absorbed power	<i>DA</i>	1,27	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>	2,96	kW
Nominal absorbed power	<i>DB</i>	1,20	kW
Declared COP	<i>COPB</i>	2,47	


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>	2,27	kW
Nominal absorbed power	<i>D3</i>	1,36	kW
Declared COP	<i>COP3</i>	1,67	

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- GP15 BITZER
Refrigerating Fluid	R407F

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>	3,39	kW
Nominal absorbed power	<i>DA</i>	1,62	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>	3,72	kW
Nominal absorbed power	<i>DB</i>	1,53	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>	2,88	kW
Nominal absorbed power	<i>D3</i>	1,75	kW
Declared COP	<i>COP3</i>	1,65	

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- GP20 BITZER
Refrigerating Fluid	R407F

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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Model	EPTAMETIC- GP25 BITZER
Refrigerating Fluid	R407F

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>	2,95	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	5,55	kW
Nominal absorbed power	<i>DA</i>	2,57	kW
Nominal COP	<i>COPA</i>	2,16	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	6,12	kW
Nominal absorbed power	<i>DB</i>	2,44	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>	6,94	kW
Nominal absorbed power	<i>DC</i>	2,21	kW
Declared COP	<i>COPC</i>	3,14	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	7,78	kW
Nominal absorbed power	<i>DA</i>	1,94	kW
Declared COP	<i>COPD</i>	4,02	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	4,68	kW
Nominal absorbed power	<i>D3</i>	2,74	kW
Declared COP	<i>COP3</i>	1,71	

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- GP30 BITZER
Refrigerating Fluid	R407F

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>	2,87	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	8,17	kW
Nominal absorbed power	<i>DA</i>	3,93	kW
Nominal COP	<i>COPA</i>	2,08	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	8,98	kW
Nominal absorbed power	<i>DB</i>	3,69	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>	10,14	kW
Nominal absorbed power	<i>DC</i>	3,32	kW
Declared COP	<i>COPC</i>	3,05	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	11,31	kW
Nominal absorbed power	<i>DA</i>	2,89	kW
Declared COP	<i>COPD</i>	3,91	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	6,94	kW
Nominal absorbed power	<i>D3</i>	4,21	kW
Declared COP	<i>COP3</i>	1,65	

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- GP40 BITZER
Refrigerating Fluid	R407F

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>	9,12	kW
Nominal absorbed power	<i>DA</i>	4,18	kW
Nominal COP	<i>COPA</i>	2,18	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	10,02	kW
Nominal absorbed power	<i>DB</i>	3,93	kW
Declared COP	<i>COPB</i>	2,55	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	11,32	kW
Nominal absorbed power	<i>DC</i>	3,54	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>	12,62	kW
Nominal absorbed power	<i>DA</i>	3,11	kW
Declared COP	<i>COPD</i>	4,06	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	7,74	kW
Nominal absorbed power	<i>D3</i>	4,50	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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Model	EPTAMETIC- GP47 BITZER
Refrigerating Fluid	R407F

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>	11,67	kW
Nominal absorbed power	<i>DA</i>	5,43	kW
Nominal COP	<i>COPA</i>	2,15	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	12,83	kW
Nominal absorbed power	<i>DB</i>	5,11	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>	14,48	kW
Nominal absorbed power	<i>DC</i>	4,58	kW
Declared COP	<i>COPC</i>	3,16	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	16,12	kW
Nominal absorbed power	<i>DA</i>	4,02	kW
Declared COP	<i>COPD</i>	4,01	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	9,89	kW
Nominal absorbed power	<i>D3</i>	5,85	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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Model	EPTAMETIC- GP50 BITZER
Refrigerating Fluid	R407F

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>	3,25	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	13,77	kW
Nominal absorbed power	<i>DA</i>	5,96	kW
Nominal COP	<i>COPA</i>	2,31	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	15,16	kW
Nominal absorbed power	<i>DB</i>	5,59	kW
Declared COP	<i>COPB</i>	2,71	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	17,15	kW
Nominal absorbed power	<i>DC</i>	4,98	kW
Declared COP	<i>COPC</i>	3,44	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	19,13	kW
Nominal absorbed power	<i>DA</i>	4,28	kW
Declared COP	<i>COPD</i>	4,47	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	11,65	kW
Nominal absorbed power	<i>D3</i>	6,40	kW
Declared COP	<i>COP3</i>	1,82	

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- GP75 BITZER
Refrigerating Fluid	R407F

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>	3,25	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	16,53	kW
Nominal absorbed power	<i>DA</i>	7,55	kW
Nominal COP	<i>COPA</i>	2,19	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	18,14	kW
Nominal absorbed power	<i>DB</i>	7,11	kW
Declared COP	<i>COPB</i>	2,55	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	20,45	kW
Nominal absorbed power	<i>DC</i>	6,41	kW
Declared COP	<i>COPC</i>	3,19	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	22,78	kW
Nominal absorbed power	<i>DA</i>	5,57	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>	14,04	kW
Nominal absorbed power	<i>D3</i>	8,12	kW
Declared COP	<i>COP3</i>	1,73	

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- GP100 BITZER
Refrigerating Fluid	R407F

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>	3,25	

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>	9,66	kW
Nominal COP	<i>COPA</i>	2,16	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	23,04	kW
Nominal absorbed power	<i>DB</i>	9,14	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>	26,18	kW
Nominal absorbed power	<i>DC</i>	8,26	kW
Declared COP	<i>COPC</i>	3,17	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	29,38	kW
Nominal absorbed power	<i>DA</i>	7,22	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>	17,55	kW
Nominal absorbed power	<i>D3</i>	10,32	kW
Declared COP	<i>COP3</i>	1,70	

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- GP150 BITZER
Refrigerating Fluid	R407F

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>	3,16	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	24,89	kW
Nominal absorbed power	<i>DA</i>	10,97	kW
Nominal COP	<i>COPA</i>	2,27	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	27,61	kW
Nominal absorbed power	<i>DB</i>	10,42	kW
Declared COP	<i>COPB</i>	2,65	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	31,53	kW
Nominal absorbed power	<i>DC</i>	9,38	kW
Declared COP	<i>COPC</i>	3,36	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	35,49	kW
Nominal absorbed power	<i>DA</i>	8,18	kW
Declared COP	<i>COPD</i>	4,34	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	20,71	kW
Nominal absorbed power	<i>D3</i>	11,63	kW
Declared COP	<i>COP3</i>	1,78	

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 R407F	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG
		C		F				

Model	EPTAMETIC- GP200 BITZER
Refrigerating Fluid	R407F

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>	29,78	kW
Nominal absorbed power	<i>DA</i>	12,89	kW
Nominal COP	<i>COPA</i>	2,31	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	32,89	kW
Nominal absorbed power	<i>DB</i>	12,09	kW
Declared COP	<i>COPB</i>	2,72	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	37,39	kW
Nominal absorbed power	<i>DC</i>	10,81	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>	41,94	kW
Nominal absorbed power	<i>DA</i>	9,30	kW
Declared COP	<i>COPD</i>	4,51	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	24,97	kW
Nominal absorbed power	<i>D3</i>	13,80	kW
Declared COP	<i>COP3</i>	1,81	

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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