

This information was generated by the HP KEYMARK database on 18 Mar 2022

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Summary of	Áurea+ HP60 10/12 / AHP60 10/12	Reg. No.	ICIM-PDC-000123-00
Certificate Holder			
Name	Group Atlantic España - Soluciones Confort Térmico S.A.		
Address	Calle Antonio Machado, 65 - Edificio Sócrates	Zip	08840
City	Viladecans, Barcelona	Country	Spain
Certification Body	ICIM S.p.A.		
Subtype title	Áurea+ HP60 10/12 / AHP60 10/12		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.5 kg		
Certification Date	18.10.2021		
Testing basis	HP KEYMARK certification scheme rules rev. no. 7		

Model: HP60-12 / AHP60-12

Configure model	
Model name	HP60-12 / AHP60-12
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.80 kW	11.37 kW
El input	2.73 kW	4.10 kW
COP	4.32	2.78

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	131 %
Prated	10.00 kW	10.00 kW
SCOP	4.47	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.90 kW	8.50 kW
COP Tj = -7°C	2.88	2.08
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.40 kW	5.20 kW
COP Tj = +2°C	4.31	3.35
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.30 kW	4.20 kW
COP Tj = +7°C	5.82	4.24
Cdh Tj = +7 °C	0.974	0.980
Pdh Tj = 12°C	4.90 kW	4.80 kW

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COP Tj = 12°C	7.81	5.31
Cdh Tj = +12 °C	0.969	0.980
Pdh Tj = Tbiv	8.90 kW	8.50 kW
COP Tj = Tbiv	2.88	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.80 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.96
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4630 kWh	5941 kWh

Cooling

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

	+7°C/+12°C
P _{designc}	8.51 kW
SEER	4.25
P _{dc} T _j = 35°C	8.51 kW
EER T _j = 35°C	3.05
P _{dc} T _j = 30°C	6.28 kW
EER T _j = 30°C	4.03
C _{dc}	1.0
P _{dc} T _j = 25°C	3.98 kW
EER T _j = 25°C	4.58
C _{dc}	1.0
P _{dc} T _j = 20°C	4.23 kW
EER T _j = 20°C	6.32
C _{dc}	1.0
P _{off}	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q _{ce}	1202 kWh

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EN 14511-2	
	+7°C/+12°C
El input	2.79 kW
Cooling capacity	8.51
EER	3.05

Model: HP60-10 / AHP60-10

Configure model	
Model name	HP60-10 / AHP60-10
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.10 kW	9.73 kW
El input	2.28 kW	3.50 kW
COP	4.43	2.78

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	178 %	135 %
Prated	9.00 kW	9.00 kW
SCOP	4.53	3.45
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.30 kW	8.10 kW
COP Tj = -7°C	2.93	2.13
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.30 kW	5.20 kW
COP Tj = +2°C	4.32	3.41
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.20 kW	4.10 kW
COP Tj = +7°C	6.01	4.30
Cdh Tj = +7 °C	0.973	0.980
Pdh Tj = 12°C	4.90 kW	4.80 kW

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	8.08	6.36
Cdh Tj = +12 °C	0.969	0.975
Pdh Tj = Tbiv	8.30 kW	8.10 kW
COP Tj = Tbiv	2.93	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.30 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.96
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4293 kWh	5462 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	2.39 kW
Cooling capacity	7.53
EER	3.15

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EN 14825	
	+7°C/+12°C
P _{designc}	7.53 kW
SEER	4.15
P _{dc} T _j = 35°C	7.53 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	5.49 kW
EER T _j = 30°C	3.92
C _{dc}	1.0
P _{dc} T _j = 25°C	3.56 kW
EER T _j = 25°C	4.46
C _{dc}	1.0
P _{dc} T _j = 20°C	4.35 kW
EER T _j = 20°C	6.36
C _{dc}	1.0
P _{off}	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q _{ce}	1089 kWh

Model: HP60-10TR / AHP60-10TR

Configure model	
Model name	HP60-10TR / AHP60-10TR
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.10 kW	9.73 kW
El input	2.28 kW	3.50 kW
COP	4.43	2.78

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	178 %	135 %
Prated	9.00 kW	9.00 kW
SCOP	4.53	3.45
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.30 kW	8.10 kW
COP Tj = -7°C	2.93	2.13
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.30 kW	5.20 kW
COP Tj = +2°C	4.32	3.41
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.20 kW	4.10 kW
COP Tj = +7°C	6.01	4.30
Cdh Tj = +7 °C	0.973	0.980
Pdh Tj = 12°C	4.90 kW	4.80 kW

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	8.08	6.36
Cdh Tj = +12 °C	0.969	0.975
Pdh Tj = Tbiv	8.30 kW	8.10 kW
COP Tj = Tbiv	2.93	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.30 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.96
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4293 kWh	5462 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	2.39 kW
Cooling capacity	7.53
EER	3.15

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EN 14825	
	+7°C/+12°C
P _{designc}	7.53 kW
SEER	4.15
P _{dc} T _j = 35°C	7.53 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	5.49 kW
EER T _j = 30°C	3.92
C _{dc}	1.0
P _{dc} T _j = 25°C	3.56 kW
EER T _j = 25°C	4.46
C _{dc}	1.0
P _{dc} T _j = 20°C	4.35 kW
EER T _j = 20°C	6.36
C _{dc}	1.0
P _{off}	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q _{ce}	1089 kWh

Model: HP60-12TR / AHP60-12TR

Configure model

Model name	HP60-12TR / AHP60-12TR
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	11.80 kW	11.37 kW
El input	2.73 kW	4.10 kW
COP	4.32	2.78

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	131 %
Prated	10.00 kW	10.00 kW
SCOP	4.47	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.90 kW	8.50 kW
COP Tj = -7°C	2.88	2.08
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.40 kW	5.20 kW
COP Tj = +2°C	4.31	3.35
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.30 kW	4.20 kW
COP Tj = +7°C	5.82	4.24
Cdh Tj = +7 °C	0.974	0.981
Pdh Tj = 12°C	4.90 kW	4.80 kW

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	7.81	5.31
Cdh Tj = +12 °C	0.969	0.979
Pdh Tj = Tbiv	8.90 kW	8.50 kW
COP Tj = Tbiv	2.88	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.80 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.96
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4630 kWh	5941 kWh

Cooling

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

	+7°C/+12°C
P _{designc}	8.51 kW
SEER	4.25
P _{dc} T _j = 35°C	8.51 kW
EER T _j = 35°C	3.05
P _{dc} T _j = 30°C	6.28 kW
EER T _j = 30°C	4.03
C _{dc}	1.0
P _{dc} T _j = 25°C	3.98 kW
EER T _j = 25°C	4.58
C _{dc}	1.0
P _{dc} T _j = 20°C	4.23 kW
EER T _j = 20°C	6.32
C _{dc}	1.0
P _{off}	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q _{ce}	1202 kWh

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 14511-2	
	+7°C/+12°C
El input	2.79 kW
Cooling capacity	8.51
EER	3.05

Model: HPS60-12 / AHPS60-12

Configure model	
Model name	HPS60-12 / AHPS60-12
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.35 kW	7.08 kW
El input	1.52 kW	2.28 kW
COP	4.84	3.11

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180 %	135 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.45
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.70 kW	8.40 kW
COP Tj = -7°C	2.90	2.09
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.30 kW	5.20 kW
COP Tj = +2°C	4.42	3.44
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.30 kW	4.20 kW
COP Tj = +7°C	6.14	4.47
Cdh Tj = +7 °C	0.973	0.980
Pdh Tj = 12°C	4.80 kW	4.80 kW

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	8.00	5.44
Cdh Tj = +12 °C	0.969	0.978
Pdh Tj = Tbiv	8.70 kW	8.40 kW
COP Tj = Tbiv	2.90	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.40 kW	8.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4453 kWh	5709 kWh

Cooling

EN 14825

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	+7°C/+12°C
P _{designc}	8.51 kW
SEER	4.25
P _{dc} T _j = 35°C	8.51 kW
EER T _j = 35°C	3.05
P _{dc} T _j = 30°C	6.28 kW
EER T _j = 30°C	4.03
C _{dc}	1.0
P _{dc} T _j = 25°C	3.98 kW
EER T _j = 25°C	4.58
C _{dc}	1.0
P _{dc} T _j = 20°C	4.23 kW
EER T _j = 20°C	6.32
C _{dc}	1.0
P _{off}	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q _{ce}	1202 kWh

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 14511-2	
	+7°C/+12°C
El input	2.79 kW
Cooling capacity	8.51
EER	3.05

Model: HPS60-12TR / AHPS60-12TR

Configure model	
Model name	HPS60-12TR / AHPS60-12TR
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.35 kW	7.08 kW
El input	1.52 kW	2.28 kW
COP	4.84	3.11

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
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Prated	10.00 kW	10.00 kW
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Cdh Tj = +7 °C	0.973	0.980
Pdh Tj = 12°C	4.80 kW	4.80 kW

This information was generated by the HP KEYMARK database on 18 Mar 2022

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Pdh Tj = Tbiv	8.70 kW	8.40 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4453 kWh	5709 kWh

Cooling

EN 14825

This information was generated by the HP KEYMARK database on 18 Mar 2022

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P _{designc}	8.51 kW
SEER	4.25
P _{dc} T _j = 35°C	8.51 kW
EER T _j = 35°C	3.05
P _{dc} T _j = 30°C	6.28 kW
EER T _j = 30°C	4.03
C _{dc}	1.0
P _{dc} T _j = 25°C	3.98 kW
EER T _j = 25°C	4.58
C _{dc}	1.0
P _{dc} T _j = 20°C	4.23 kW
EER T _j = 20°C	6.32
C _{dc}	1.0
P _{off}	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q _{ce}	1202 kWh

This information was generated by the HP KEYMARK database on 18 Mar 2022

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	+7°C/+12°C
El input	2.79 kW
Cooling capacity	8.51
EER	3.05