

This information was generated by the HP KEYMARK database on 23 Jun 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
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Cooling

EN 14511-2

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

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

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

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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
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

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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 Q _{he}	4630 kWh	5941 kWh

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

Cooling

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

EN 14825	

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	+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

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

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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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 Q _{he}	4293 kWh	5462 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
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Cooling

EN 14511-2

	+7°C/+12°C
El input	2.39 kW
Cooling capacity	7.53
EER	3.15

EN 14825

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	+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

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

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

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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
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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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 Q _{he}	4293 kWh	5462 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

Cooling

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

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

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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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 Q _{he}	4630 kWh	5941 kWh

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
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Cooling

EN 14511-2

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 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

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

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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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 Q _{he}	4453 kWh	5709 kWh

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
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Cooling

EN 14511-2

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 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

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

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

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	4.58	3.45
Tbiv	-7 °C	-7 °C
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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
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

This information was generated by the HP KEYMARK database on 23 Jun 2022

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 Q _{he}	4453 kWh	5709 kWh