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

#### <u>Login</u>

Summary of	Áurea+ HP60 05/08 / AHP60 06/08	Reg. No.	ICIM-PDC-000122-00	
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 05/08 / AHP60 06/08			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.5 kg			
Certification Date	18.10.2021			
Testing basis	sis HP KEYMARK certification scheme rules rev. no. 7			



# Model: HP60-06 / AHP60-06

Configure model		
Model name	HP60-06 / AHP60-06	
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	6.08 kW	6.03 kW
El input	1.35 kW	2.14 kW
СОР	4.51	2.82

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
$\eta_{s}$	175 %	126 %
Prated	7.00 kW	7.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	6.10 kW	5.80 kW
COP Tj = -7°C	2.96	2.08
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.70 kW	3.60 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.20 kW	3.00 kW
$COP Tj = +7^{\circ}C$	5.56	3.49
Cdh Tj = +7 °C	0.967	0.978
Pdh Tj = 12°C	3.70 kW	3.60 kW





COP Tj = 12°C	7.88	6.49
Cdh Tj = +12 °C	0.959	0.966
Pdh Tj = Tbiv	6.10 kW	5.80 kW
COP Tj = Tbiv	2.96	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.10 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	22 W	22 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.90 kW	1.00 kW
Annual energy consumption Qhe	3178 kWh	4190 kWh

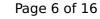
# Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.60 kW	
Cooling capacity	5.02	
EER	3.14	

### EN 14825





This information was generated by the HP KE	TIMAIN Uatabase OII 10 Mai 2022
	+7°C/+12°C
Pdesignc	5.02 kW
SEER	4.12
Pdc Tj = 35°C	5.02 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	3.70 kW
EER Tj = 30°C	4.03
Cdc	1.0
Pdc Tj = 25°C	2.70 kW
EER Tj = 25°C	4.82
Cdc	1.0
Pdc Tj = 20°C	2.96 kW
EER Tj = 20°C	6.57
Cdc	1.0
Poff	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	730 kWh



# Model: HP60-08 / AHP60-08

Configure model		
Model name	HP60-08 / AHP60-08	
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	7.81 kW	7.55 kW	
El input	1.78 kW	2.65 kW	
СОР	4.38	2.85	

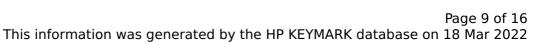
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

# Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	64 dB(A)	64 dB(A)	

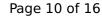
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	128 %
Prated	7.00 kW	7.00 kW
SCOP	4.46	3.27
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	6.50 kW	6.30 kW
COP Tj = -7°C	2.95	1.91
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.00 kW	3.80 kW
COP Tj = +2°C	4.37	3.33
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.10 kW	3.10 kW
COP Tj = +7°C	5.55	3.90
Cdh Tj = +7 °C	0.966	0.976
Pdh Tj = 12°C	3.70 kW	3.60 kW





COP Tj = 12°C	7.86	6.30
Cdh Tj = +12 °C	0.959	0.967
Pdh Tj = Tbiv	6.50 kW	6.30 kW
COP Tj = Tbiv	2.95	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	22 W	22 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.50 kW	0.60 kW
Annual energy consumption Qhe	3411 kWh	4494 kWh

# Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.99 kW	
Cooling capacity	6.08	
EER	3.05	

### EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	6.08 kW
SEER	4.25
Pdc Tj = 35°C	6.08 kW
EER Tj = 35°C	3.05
Pdc Tj = 30°C	4.49 kW
EER Tj = 30°C	4.07
Cdc	1.0
Pdc Tj = 25°C	2.74 kW
EER Tj = 25°C	4.84
Cdc	1.0
Pdc Tj = 20°C	3.02 kW
EER Tj = 20°C	6.70
Cdc	1.0
Poff	19 W
РТО	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	857 kWh



# Model: HPS60-08 / AHPS60-08

Configure model		
Model name HPS60-08 / AHPS60-08		
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	4.58 kW	4.43 kW	
El input	0.98 kW	1.46 kW	
СОР	4.67	3.03	

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	
$\eta_{s}$	180 %	131 %	
Prated	7.00 kW	7.00 kW	
SCOP	4.58	3.36	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-15 °C	
Pdh Tj = -7°C	6.40 kW	6.20 kW	
COP Tj = -7°C	2.97	1.93	
Cdh Tj = -7 °C	1.000	1.000	
Pdh Tj = +2°C	3.90 kW	3.80 kW	
$COP Tj = +2^{\circ}C$	4.48	3.42	
Cdh Tj = +2 °C	1.000	1.000	
Pdh Tj = +7°C	3.10 kW	3.10 kW	
COP Tj = +7°C	5.80	4.11	
Cdh Tj = +7 °C	0.965	0.975	
Pdh Tj = 12°C	3.60 kW	3.60 kW	

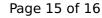


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COP Tj = 12°C	7.36	6.46
Cdh Tj = +12 °C	0.958	0.966
Pdh Tj = Tbiv	6.50 kW	6.20 kW
COP Tj = Tbiv	2.95	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.20 kW	6.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	22 W	22 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.80 kW	0.90 kW
Annual energy consumption Qhe	3281 kWh	4320 kWh

# Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.99 kW	
Cooling capacity	6.08	
EER	3.05	

### EN 14825





	+7°C/+12°C
Pdesignc	6.08 kW
SEER	4.25
Pdc Tj = 35°C	6.08 kW
EER Tj = 35°C	3.05
Pdc Tj = 30°C	4.49 kW
EER Tj = 30°C	4.07
Cdc	1.0
Pdc Tj = 25°C	2.74 kW
EER Tj = 25°C	4.84
Cdc	1.0
Pdc Tj = 20°C	3.02 kW
EER Tj = 20°C	6.70
Cdc	1.0
Poff	19 W
РТО	o w
PSB	19 W
PCK	30 W
Annual energy consumption Qce	857 kWh