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Summary of	Áurea+ HP60 16/18 / AHP60 16/18	Reg. No.	ICIM-PDC-000125-00
Certificate Holder	Certificate Holder		
Name	Group Atlantic España - Soluciones Confort Térmic	co 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 16/18 / AHP60 16/18		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4 kg		
Certification Date	18.10.2021		
Testing basis	HP KEYMARK certification scheme rules rev. no. 7		



Model: HP60-16 / AHP60-16

Configure model		
Model name	HP60-16 / AHP60-16	
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	4.38 kW
Cooling capacity	13.80
EER	3.15

EN 14825

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	+7°C/+12°C
Pdesignc	13.80 kW
SEER	4.80
Pdc Tj = 35°C	13.80 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	10.17 kW
EER Tj = 30°C	4.36
Cdc	1.0
Pdc Tj = 25°C	6.47 kW
EER Tj = 25°C	5.30
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.67
Cdc	1.0
Poff	19 W
РТО	0 W
PSB	19 W
РСК	30 W
Annual energy consumption Qce	1726 kWh

Heating





EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.30 kW	15.63 kW
El input	3.49 kW	5.18 kW
СОР	4.67	3.02

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 indoor	dB(A)	dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	177 %	126 %





Prated	14.00 kW	13.00 kW
SCOP	4.49	3.22
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.88	2.09
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = $+2$ °C	7.30 kW	6.90 kW
COP Tj = +2°C	4.33	3.06
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	5.70 kW	5.50 kW
$COP Tj = +7^{\circ}C$	5.83	4.11
Cdh Tj = +7 °C	0.981	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.12	6.30
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	12.00 kW	11.50 kW
COP Tj = Tbiv	2.88	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
WTOL	60 °C	60 °C



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Poff	19 W	19 W
РТО	22 W	22 W
PSB	19 W	19 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6209 kWh	8357 kWh



Model: HP60-18TR / AHP60-18TR

Configure model		
Model name	HP60-18TR / AHP60-18TR	
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	4.88 kW		
Cooling capacity	15.04		
EER	3.08		

EN 14825

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	+7°C/+12°C
Pdesignc	15.04 kW
SEER	4.91
Pdc Tj = 35°C	15.04 kW
EER Tj = 35°C	3.08
Pdc Tj = 30°C	10.96 kW
EER Tj = 30°C	4.38
Cdc	1.0
Pdc Tj = 25°C	7.06 kW
EER Tj = 25°C	5.52
Cdc	1.0
Pdc Tj = 20°C	5.54 kW
EER Tj = 20°C	6.80
Cdc	1.0
Poff	19 W
PTO	o w
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1837 kWh

Heating



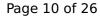
EN 14511-2			
Low temperature Medium temperature			
Heat output	17.90 kW	17.25 kW	
El input	4.07 kW	5.99 kW	
СОР	4.40	2.88	

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	68 dB(A)	68 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	131 %
Prated	15.00 kW	14.00 kW





SCOP	4.46	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.80 kW	12.50 kW
COP Tj = -7°C	2.83	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.80 kW	7.60 kW
COP Tj = +2°C	4.34	3.34
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
$COP Tj = +7^{\circ}C$	5.67	4.14
Cdh Tj = +7 °C	0.981	0.990
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	7.94	6.15
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	12.80 kW	12.50 kW
COP Tj = Tbiv	2.83	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.80 kW	12.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.93
WTOL	60 °C	60 °C
Poff	19 W	19 W



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РТО	22 W	22 W
PSB	19 W	19 W
PCK	o 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	6720 kWh	8659 kWh



Model: HP60-16TR / AHP60-16TR

Configure model		
Model name	HP60-16TR / AHP60-16TR	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

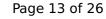
General Data		
Power supply	3x400V 50Hz	

Cooling

EN 14511-2			
+7°C/+12°C			
El input	4.38 kW		
Cooling capacity	13.80		
EER	3.15		

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This information was generated by the Hill Ke	+7°C/+12°C
Pdesignc	13.80 kW
SEER	4.80
Pdc Tj = 35°C	13.80 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	10.17 kW
EER Tj = 30°C	4.36
Cdc	1.0
Pdc Tj = 25°C	6.47 kW
EER Tj = 25°C	5.30
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.67
Cdc	1.0
Poff	19 W
РТО	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1726 kWh

Heating



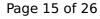
EN 14511-2		
Low temperature Medium temperature		
Heat output	16.30 kW	15.63 kW
El input	3.49 kW	5.18 kW
СОР	4.67	3.02

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 indoor	dB(A)	dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	177 %	126 %





Prated	14.00 kW	13.00 kW
SCOP	4.49	3.22
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
$COP Tj = -7^{\circ}C$	2.88	2.09
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = $+2$ °C	7.30 kW	6.90 kW
COP Tj = +2°C	4.33	3.06
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	5.70 kW	5.50 kW
$COP Tj = +7^{\circ}C$	5.83	4.11
Cdh Tj = +7 °C	0.981	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.12	6.30
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	12.00 kW	11.50 kW
COP Tj = Tbiv	2.88	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
WTOL	60 °C	60 °C



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Poff	19 W	19 W
РТО	22 W	22 W
PSB	19 W	19 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6209 kWh	8357 kWh



Model: HPS60-16 / AHPS60-16

Configure model		
Model name HPS60-16 / AHPS60-16		
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

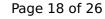
General Data		
Power supply 1x230V 50Hz		

Cooling

EN 14511-2		
+7°C/+12°C		
El input	4.38 kW	
Cooling capacity	13.80	
EER	3.15	

EN 14825

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	+7°C/+12°C
Pdesignc	13.80 kW
SEER	4.80
Pdc Tj = 35°C	13.80 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	10.17 kW
EER Tj = 30°C	4.36
Cdc	1.0
Pdc Tj = 25°C	6.47 kW
EER Tj = 25°C	5.30
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.67
Cdc	1.0
Poff	19 W
PTO	o w
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1726 kWh

Heating



EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	8.65 kW	8.29 kW
El input	1.68 kW	2.49 kW
СОР	5.15	3.32

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 indoor	dB(A)	dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
Low temperature Medium temperat		Medium temperature
η_s	186 %	133 %





Prated	13.00 kW	13.00 kW
SCOP	4.72	3.39
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	11.90 kW	11.50 kW
COP Tj = -7°C	2.98	2.16
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.30 kW	6.90 kW
COP Tj = +2°C	4.56	3.23
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	6.17	4.34
Cdh Tj = +7 °C	0.980	0.985
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.70	6.75
Cdh Tj = +12 °C	0.975	0.981
Pdh Tj = Tbiv	11.90 kW	11.50 kW
COP Tj = Tbiv	2.98	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.40 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.98
WTOL	60 °C	60 °C



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Poff	19 W	19 W
РТО	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	5882 kWh	7914 kWh

Model: HPS60-16TR / AHPS60-16TR

Configure model			
Model name	HPS60-16TR / AHPS60-16TR		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

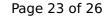
General Data		
Power supply	3x400V 50Hz	

Cooling

EN 14511-2		
+7°C/+12°C		
El input	4.38 kW	
Cooling capacity	13.80	
EER	3.15	

EN 14825

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	+7°C/+12°C
Pdesignc	13.80 kW
SEER	4.80
Pdc Tj = 35°C	13.80 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	10.17 kW
EER Tj = 30°C	4.36
Cdc	1.0
Pdc Tj = 25°C	6.47 kW
EER Tj = 25°C	5.30
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.67
Cdc	1.0
Poff	19 W
РТО	o w
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1726 kWh

Heating



EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.65 kW	8.29 kW
El input	1.68 kW	2.49 kW
СОР	5.15	3.32

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 indoor	dB(A)	dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	186 %	133 %





4.72 -7 °C	3.39
-7 °C	I .
	-7 °C
-20 °C	-15 °C
11.90 kW	11.50 kW
2.98	2.16
1.000	1.000
7.30 kW	6.90 kW
4.56	3.23
1.000	1.000
5.80 kW	5.70 kW
6.17	4.34
0.980	0.985
6.70 kW	6.60 kW
8.70	6.75
0.975	0.981
11.90 kW	11.50 kW
2.98	2.16
11.40 kW	11.50 kW
2.65	1.98
60 °C	60 °C
	-20 °C 11.90 kW 2.98 1.000 7.30 kW 4.56 1.000 5.80 kW 6.17 0.980 6.70 kW 8.70 0.975 11.90 kW 2.98 11.40 kW



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Poff	19 W	19 W
РТО	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	5882 kWh	7914 kWh