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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
СОР	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



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





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
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	4630 kWh	5941 kWh

Cooling

EN 14825





This information was generated by the HP KE	+7°C/+12°C
Pdesignc	8.51 kW
ruesigne	O.JI KW
SEER	4.25
Pdc Tj = 35°C	8.51 kW
EER Tj = 35°C	3.05
Pdc Tj = 30°C	6.28 kW
EER Tj = 30°C	4.03
Cdc	1.0
Pdc Tj = 25°C	3.98 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.23 kW
EER Tj = 20°C	6.32
Cdc	1.0
Poff	19 W
РТО	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1202 kWh





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	
СОР	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



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





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



EN 14825		
	+7°C/+12°C	
Pdesignc	7.53 kW	
SEER	4.15	
Pdc Tj = 35°C	7.53 kW	
EER Tj = 35°C	3.15	
Pdc Tj = 30°C	5.49 kW	
EER Tj = 30°C	3.92	
Cdc	1.0	
Pdc Tj = 25°C	3.56 kW	
EER Tj = 25°C	4.46	
Cdc	1.0	
Pdc Tj = 20°C	4.35 kW	
EER Tj = 20°C	6.36	
Cdc	1.0	
Poff	19 W	
РТО	0 W	
PSB	19 W	
PCK	30 W	
Annual energy consumption Qce	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

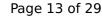
EN 14511-2			
Low temperature Medium temperature			
Heat output	10.10 kW	9.73 kW	
El input	2.28 kW	3.50 kW	
СОР	4.43	2.78	

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



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





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



EN 14825		
	+7°C/+12°C	
Pdesignc	7.53 kW	
SEER	4.15	
Pdc Tj = 35°C	7.53 kW	
EER Tj = 35°C	3.15	
Pdc Tj = 30°C	5.49 kW	
EER Tj = 30°C	3.92	
Cdc	1.0	
Pdc Tj = 25°C	3.56 kW	
EER Tj = 25°C	4.46	
Cdc	1.0	
Pdc Tj = 20°C	4.35 kW	
EER Tj = 20°C	6.36	
Cdc	1.0	
Poff	19 W	
РТО	o w	
PSB	19 W	
PCK	30 W	
Annual energy consumption Qce	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	

Heating

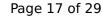
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.80 kW	11.37 kW
El input	2.73 kW	4.10 kW
СОР	4.32	2.78

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



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





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

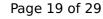
Cooling

EN 14825





This information was generated by the Till KE	+7°C/+12°C
Pdesignc	8.51 kW
SEER	4.25
Pdc Tj = 35°C	8.51 kW
EER Tj = 35°C	3.05
Pdc Tj = 30°C	6.28 kW
EER Tj = 30°C	4.03
Cdc	1.0
Pdc Tj = 25°C	3.98 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.23 kW
EER Tj = 20°C	6.32
Cdc	1.0
Poff	19 W
РТО	o w
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1202 kWh





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
СОР	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



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

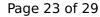




COP Tj = 12°C	8.00	5.44
Cdh Tj = +12 °C	0.969	0.978
Pdh Tj = Tbiv	8.70 kW	8.40 kW
COP Tj = Tbiv	2.90	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.40 kW	8.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
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	4453 kWh	5709 kWh

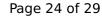
Cooling

EN 14825





This information was generated by the Till KE	+7°C/+12°C
Pdesignc	8.51 kW
SEER	4.25
Pdc Tj = 35°C	8.51 kW
EER Tj = 35°C	3.05
Pdc Tj = 30°C	6.28 kW
EER Tj = 30°C	4.03
Cdc	1.0
Pdc Tj = 25°C	3.98 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.23 kW
EER Tj = 20°C	6.32
Cdc	1.0
Poff	19 W
РТО	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1202 kWh





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
СОР	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



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
$COP Tj = +7^{\circ}C$	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
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	4453 kWh	5709 kWh

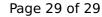
Cooling

EN 14825





This information was generated by the HP KE	+7°C/+12°C
Pdesignc	8.51 kW
SEER	4.25
Pdc Tj = 35°C	8.51 kW
EER Tj = 35°C	3.05
Pdc Tj = 30°C	6.28 kW
EER Tj = 30°C	4.03
Cdc	1.0
Pdc Tj = 25°C	3.98 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.23 kW
EER Tj = 20°C	6.32
Cdc	1.0
Poff	19 W
РТО	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1202 kWh





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