

Product data sheet (in accordance with EU regulation no. 811/2013, 812/2013, 813/2013 and 814/2013) .

Technical parameters for heat pump space heaters and heat pump combination heaters and temperature control packages		086L6187 086L6195 086L6191 086L6199	086L6188 086L6196			
Model	Conditions	ATLAS 12 400V ATLAS 12 DUO 400V ATLAS 12 230V ATLAS 12 DUO 230V	ATLAS 18 400V ATLAS 18 DUO 400V	Symbol	Unit	
harmonised standard	EN 14825, EN 16147, EN 12102					
Air to water heat pump		NO	NO			
Water-to-water heat pump		YES	YES			
Brine-to water heat pump		YES	YES			
Low Temperature Heat pump		NO	NO			
Equipped with supplementary heater		YES	YES			
Heat pump combination heater		YES	YES			
Built in temperature control class		II	II			
Built in temperature control contribution to energy efficiency		2,0	2,0		%	
Thermia Link temperature control class		VI	VI			
Thermia Link temperature control contribution to energy efficiency		4,0	4,0		%	
Rated heat output	(average climate conditions)	10	16	Prated	kW	
Rated heat output	(colder climate conditions)	10	16	Prated	kW	
Rated heat output	(warmer climate conditions)	10	16	Prated	kW	
Rated heat output	(low temperature applications average climate conditions)	11	15	Prated	kW	
Rated heat output	(low temperature applications colder climate conditions)	11	15	Prated	kW	
Rated heat output	(low temperature applications warmer climate conditions)	11	15	Prated	kW	
SCOP	(average climate conditions)	4,25	4,40			
SCOP	(colder climate conditions)	4,39	4,55			
SCOP	(warmer climate conditions)	4,20	4,45			
SCOP	(low temperature applications average climate conditions)	5,75	5,90			
SCOP	(low temperature applications colder climate conditions)	5,86	6,15			
SCOP	(low temperature applications warmer climate conditions)	5,70	5,97			
Seasonal space heating Energy efficiency	(average climate conditions)	162	168	ηs	%	
Seasonal space heating Energy efficiency Built in temperature control	(average climate conditions)	164	170	ηs	%	
Seasonal space heating Energy efficiency Thermia Link temperature control	(average climate conditions)	166	172	ηs	%	
Seasonal space heating Energy efficiency	(colder climate conditions)	167	174	ηs	%	
Seasonal space heating Energy efficiency Built in temperature control	(colder climate conditions)	169	176	ηs	%	
Seasonal space heating Energy efficiency Thermia Link temperature control	(colder climate conditions)	171	178	ηs	%	
Seasonal space heating Energy efficiency	(warmer climate conditions)	160	170	ηs	%	
Seasonal space heating Energy efficiency Built in temperature control	(warmer climate conditions)	162	172	ηs	%	
Seasonal space heating Energy efficiency Thermia Link temperature control	(warmer climate conditions)	164	174	ηs	%	

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Seasonal space heating Energy efficiency	(low temperature applications average climate conditions)	222	228	ηs	%	
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications average climate conditions)	224	230	ηs	%	
Seasonal space heating Energy efficiency Thermia Link temperature control	(low temperature applications average climate conditions)	226	232	ηs	%	
Seasonal space heating Energy efficiency	(low temperature applications colder climate conditions)	226	238	ηs	%	
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications colder climate conditions)	228	240	ηs	%	
Seasonal space heating Energy efficiency Thermia Link temperature control	(low temperature applications colder climate conditions)	230	242	ηs	%	
Seasonal space heating Energy efficiency	(low temperature applications warmer climate conditions)	220	231	ηs	%	
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications warmer climate conditions)	222	233	ηs	%	
Seasonal space heating Energy efficiency Thermia Link temperature control	(low temperature applications warmer climate conditions)	224	235	ηs	%	
Energy efficiency class		A+++	A+++			
Energy efficiency class built in temperature control package		A+++	A+++			
Energy efficiency class Thermia Link temperature control package		A+++	A+++			
Energy efficiency class	(low temperature applications)	A+++	A+++			
Energy efficiency class built in temperature control package	(low temperature applications)	A+++	A+++			
Energy efficiency class Thermia Link temperature control package	(low temperature applications)	A+++	A+++			
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = -7 °C	(average climate conditions)	9,3	13,9	Pdh	kW	
Tj = -7 °C	(colder climate conditions)	6,3	9,5	Pdh	kW	
Tj = -7 °C	(warmer climate conditions)	NA	NA	Pdh	kW	
Tj = -7 °C	(low temperature applications average climate conditions)	10,2	13,3	Pdh	kW	
Tj = -7 °C	(low temperature applications colder climate conditions)	7,0	9,1	Pdh	kW	
Tj = -7 °C	(low temperature applications warmer climate conditions)	NA	NA	Pdh	kW	
Tj = +2 °C	(average climate conditions)	5,6	8,4	Pdh	kW	
Tj = +2 °C	(colder climate conditions)	3,9	5,8	Pdh	kW	
Tj = +2 °C	(warmer climate conditions)	10,5	15,7	Pdh	kW	
Tj = +2 °C	(low temperature applications average climate conditions)	6,2	8,1	Pdh	kW	
Tj = +2 °C	(low temperature applications colder climate conditions)	4,2	5,5	Pdh	kW	
Tj = +2 °C	(low temperature applications warmer climate conditions)	11,5	15,0	Pdh	kW	
Tj = +7 °C	(average climate conditions)	3,6	5,4	Pdh	kW	

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T _j = +7 °C	(colder climate conditions)	2,5	4,4	Pdh	kW	
T _j = +7 °C	(warmer climate conditions)	6,7	10,1	Pdh	kW	
T _j = +7 °C	(low temperature applications average climate conditions)	4,0	5,2	Pdh	kW	
T _j = +7 °C	(low temperature applications colder climate conditions)	2,7	4,4	Pdh	kW	
T _j = +7 °C	(low temperature applications warmer climate conditions)	7,4	9,7	Pdh	kW	
T _j = +12 °C	(average climate conditions)	2,8	4,3	Pdh	kW	
T _j = +12 °C	(colder climate conditions)	2,8	4,4	Pdh	kW	
T _j = +12 °C	(warmer climate conditions)	3,0	4,5	Pdh	kW	
T _j = +12 °C	(low temperature applications average climate conditions)	2,8	4,4	Pdh	kW	
T _j = +12 °C	(low temperature applications colder climate conditions)	2,8	4,4	Pdh	kW	
T _j = +12 °C	(low temperature applications warmer climate conditions)	3,3	4,3	Pdh	kW	
T _j = bivalent temperature	(average climate conditions)	10,5	15,7	Pdh	kW	
T _j = bivalent temperature	(colder climate conditions)	10,5	15,7	Pdh	kW	
T _j = bivalent temperature	(warmer climate conditions)	10,5	15,7	Pdh	kW	
T _j = bivalent temperature	(low temperature applications average climate conditions)	11,5	15,0	Pdh	kW	
T _j = bivalent temperature	(low temperature applications colder climate conditions)	11,5	15,0	Pdh	kW	
T _j = bivalent temperature	(low temperature applications warmer climate conditions)	11,5	15,0	Pdh	kW	
T _j = operation limit temperature	(average climate conditions)	10,5	15,7	Pdh	kW	
T _j = operation limit temperature	(colder climate conditions)	10,5	15,7	Pdh	kW	
T _j = operation limit temperature	(warmer climate conditions)	10,5	15,7	Pdh	kW	
T _j = operation limit temperature	(low temperature applications average climate conditions)	11,5	15,0	Pdh	kW	
T _j = operation limit temperature	(low temperature applications colder climate conditions)	11,5	15,0	Pdh	kW	
T _j = operation limit temperature	(low temperature applications warmer climate conditions)	11,5	15,0	Pdh	kW	
Bivalent temperature	(average climate conditions)	-10	-10	Tbiv	°C	
Bivalent temperature	(colder climate conditions)	-22	-22	Tbiv	°C	
Bivalent temperature	(warmer climate conditions)	2	2	Tbiv	°C	
Bivalent temperature	(low temperature applications average climate conditions)	-10	-10	Tbiv	°C	
Bivalent temperature	(low temperature applications colder climate conditions)	-22	-22	Tbiv	°C	
Bivalent temperature	(low temperature applications warmer climate conditions)	2	2	Tbiv	°C	
Degradation coefficient T _j = +7 °C	(colder climate conditions)	1,0	1,0	Cdh		
Degradation coefficient T _j = +7 °C	(low temperature applications colder climate conditions)	1,0	1,0	Cdh		
Degradation coefficient T _j = +12 °C	(average climate conditions)	1,0	1,0	Cdh		
Degradation coefficient T _j = +12 °C	(colder climate conditions)	1,0	1,0	Cdh		

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Degradation coefficient Tj= +12 °C	(warmer climate conditions)	1,0	1,0	Cdh		
Degradation coefficient Tj= +12 °C	(low temperature applications average climate conditions)	1,0	1,0	Cdh		
Degradation coefficient Tj= +12 °C	(low temperature applications colder climate conditions)	1,0	1,0	Cdh		
Degradation coefficient Tj= +12 °C	(low temperature applications warmer climate conditions)	1,0	1,0	Cdh		
Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = -7 °C	(average climate conditions)	3,24	3,38	COPd		
Tj = -7 °C	(colder climate conditions)	3,96	4,22	COPd		
Tj = -7 °C	(warmer climate conditions)	NA	NA	COPd		
Tj = -7 °C	(low temperature applications average climate conditions)	4,82	5,04	COPd		
Tj = -7 °C	(low temperature applications colder climate conditions)	5,64	5,93	COPd		
Tj = -7 °C	(low temperature applications warmer climate conditions)	NA	NA	COPd		
Tj = +2 °C	(average climate conditions)	4,30	4,42	COPd		
Tj = +2 °C	(colder climate conditions)	4,91	4,97	COPd		
Tj = +2 °C	(warmer climate conditions)	2,91	3,02	COPd		
Tj = +2 °C	(low temperature applications average climate conditions)	5,95	5,91	COPd		
Tj = +2 °C	(low temperature applications colder climate conditions)	6,48	6,61	COPd		
Tj = +2 °C	(low temperature applications warmer climate conditions)	4,38	4,69	COPd		
Tj = +7 °C	(average climate conditions)	5,02	5,10	COPd		
Tj = +7 °C	(colder climate conditions)	5,22	5,32	COPd		
Tj = +7 °C	(warmer climate conditions)	3,84	4,00	COPd		
Tj = +7 °C	(low temperature applications average climate conditions)	6,50	6,65	COPd		
Tj = +7 °C	(low temperature applications colder climate conditions)	5,93	6,58	COPd		
Tj = +7 °C	(low temperature applications warmer climate conditions)	5,37	5,71	COPd		
Tj = +12 °C	(average climate conditions)	4,91	5,25	COPd		
Tj = +12 °C	(colder climate conditions)	5,06	5,36	COPd		
Tj = +12 °C	(warmer climate conditions)	4,96	5,31	COPd		
Tj = +12 °C	(low temperature applications average climate conditions)	5,70	6,49	COPd		
Tj = +12 °C	(low temperature applications colder climate conditions)	5,49	6,30	COPd		
Tj = +12 °C	(low temperature applications warmer climate conditions)	6,52	6,66	COPd		
Tj = bivalent temperature	(average climate conditions)	2,91	3,02	COPd		
Tj = bivalent temperature	(colder climate conditions)	2,91	3,02	COPd		
Tj = bivalent temperature	(warmer climate conditions)	2,91	3,02	COPd		

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Tj = bivalent temperature	(low temperature applications average climate conditions)	4,38	4,69	COPd		
Tj = bivalent temperature	(low temperature applications colder climate conditions)	4,38	4,69	COPd		
Tj = bivalent temperature	(low temperature applications warmer climate conditions)	4,38	4,69	COPd		
Tj = operation limit temperature	(average climate conditions)	2,91	3,02	COPd		
Tj = operation limit temperature	(colder climate conditions)	2,91	3,02	COPd		
Tj = operation limit temperature	(warmer climate conditions)	2,91	3,02	COPd		
Tj = operation limit temperature	(low temperature applications average climate conditions)	4,38	4,69	COPd		
Tj = operation limit temperature	(low temperature applications colder climate conditions)	4,38	4,69	COPd		
Tj = operation limit temperature	(low temperature applications warmer climate conditions)	4,38	4,69	COPd		
Heating water operating limit temperature		65	65	WTOL	°C	
Power consumption in other mode than active						
Off mode		0,015	0,015	POFF	kW	
Thermostat off mode		0,016	0,016	PTO	kW	
Standby mode		0,016	0,016	PSB	kW	
Crancase heater mode		0,000	0,000	PCK	kW	
Supplementary heater						
Rated heat output	(average climate conditions)	0,0	0,0	Psup	kW	
Rated heat output	(colder climate conditions)	0,0	0,0	Psup	kW	
Rated heat output	(warmer climate conditions)	0,0	0,0	Psup	kW	
Rated heat output	(low temperature applications average climate conditions)	0,0	0,0	Psup	kW	
Rated heat output	(low temperature applications colder climate conditions)	0,0	0,0	Psup	kW	
Rated heat output	(low temperature applications warmer climate conditions)	0,0	0,0	Psup	kW	
Type of energy input		Electrical	Electrical			
Other items						
Capacity control		Capacity controlled	Capacity controlled			
Sound power levels indoors		33	36	LWA	dB	
Sound power levels indoors (Duo Version)		34	37	LWA	dB	
Annual energy consumption	(average climate conditions)	5097	7367	QHE	kWh	
Annual energy consumption	(colder climate conditions)	5887	8487	QHE	kWh	
Annual energy consumption	(warmer climate conditions)	3336	4709	QHE	kWh	
Annual energy consumption	(low temperature applications average climate conditions)	4131	5270	QHE	kWh	
Annual energy consumption	(low temperature applications colder climate conditions)	4838	6027	QHE	kWh	
Annual energy consumption	(low temperature applications warmer climate conditions)	2694	3368	QHE	kWh	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(average climate conditions)	2	3		m3/h	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(colder climate conditions)	2	3		m3/h	



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For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(warmer climate conditions)	2	3		m ³ /h		
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications average climate conditions)	2	3		m ³ /h		
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications colder climate conditions)	2	3		m ³ /h		
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications warmer climate conditions)	2	3		m ³ /h		
Possibility to run only during off peak hours		Yes	Yes				
For heat pump combination heater:							
Declared load profile *		XL	XL				
Daily electricity consumption *		6,202	6,248	Q _{elec}	kWh		
Annual electricity consumption		1345	1355	AEC	kWh/annum		
Water heater energy efficiency *		125	124	η _{wh}	%		
Energy label water heater		A+	A+				
*Same figures for Average, Cold and warm climate conditions							
PRECAUTIONS	All specific precautions for assembly, installation and maintenance are described in the operating and installation instructions. Read and follow the operating and installation instructions.						