

**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	Conditions	086L6026 086L6027 086L6028 086L6029 086L6154	086L5951 086L5952 086L6155	Symbol	Unit
Model	EN 14825, EN 16147, EN 12102	CALIBRA 7 400V CALIBRA 7 DUO 400V CALIBRA 7 230V CALIBRA 7 DUO 230V CALIBRA 7 400V (WHITE) CALIBRA 7 400V (WHITE)	CALBRA 12 400V CALIBRA 12 DUO 400V CALIBRA 12 400V (WHITE)		
Harmonised standard		NO	NO		
Air-to-water heat pump		YES	YES		
Water-to-water heat pump		YES	YES		
Brine-to-water heat pump		NO	NO		
Low Temperature Heat pump		YES	YES		
Equipped with supplementary heater		YES	YES		
Heat pump combination heater		II	II		
Built in temperature control class		2,0	2,0		%
Built in temperature control contribution to energy efficiency		VI	VI		
Thermia Link temperature control class					
Thermia Link temperature control contribution to energy efficiency		4,0	4,0		%
Rated heat output	(average climate conditions)	6	11	Prated	kW
Rated heat output	(colder climate conditions)	6	11	Prated	kW
Rated heat output	(warmer climate conditions)	6	11	Prated	kW
Rated heat output	(low temperature applications average climate conditions)	7	12	Prated	kW
Rated heat output	(low temperature applications colder climate conditions)	7	12	Prated	kW
Rated heat output	(low temperature applications warmer climate conditions)	7	12	Prated	kW
SCOP	(average climate conditions)	3,96	4,12		
SCOP	(colder climate conditions)	4,12	4,29		
SCOP	(warmer climate conditions)	3,92	4,08		
SCOP	(low temperature applications average climate conditions)	5,56	5,68		
SCOP	(low temperature applications colder climate conditions)	5,77	5,80		
SCOP	(low temperature applications warmer climate conditions)	5,54	5,64		
Seasonal space heating Energy efficiency Built in temperature control	(average climate conditions)	150	157	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(average climate conditions)	152	159	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(average climate conditions)	154	161	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(colder climate conditions)	157	163	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(colder climate conditions)	159	165	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(colder climate conditions)	161	167	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(warmer climate conditions)	149	155	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(warmer climate conditions)	151	157	ns	%



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Technical parameters for heat pump space heaters and heat pump combination heaters and temperature control packages					
Seasonal space heating Energy efficiency Thermia Link temperature control	Conditions (warmer climate conditions)	153	159	ns	%
Seasonal space heating Energy efficiency	(low temperature applications average climate conditions)	214	219	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications average climate conditions)	216	221	ns	%
Seasonal space heating Energy efficiency Thermia Link temperature control	(low temperature applications average climate conditions)	218	223	ns	%
Seasonal space heating Energy efficiency	(low temperature applications colder climate conditions)	223	224	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications colder climate conditions)	225	226	ns	%
Seasonal space heating Energy efficiency Thermia Link temperature control	(low temperature applications colder climate conditions)	227	228	ns	%
Seasonal space heating Energy efficiency	(low temperature applications warmer climate conditions)	214	218	ns	%
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications warmer climate conditions)	216	220	ns	%
Seasonal space heating Energy efficiency Thermia Link temperature control	(low temperature applications warmer climate conditions)	218	222	ns	%
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)	5.7	9.4	Pdth	kW
Tj = -7 °C	(colder climate conditions)	3.9	6.4	Pdth	kW
Tj = -7 °C	(warmer climate conditions)	NA	NA	Pdth	kW
Tj = -7 °C	(low temperature applications average climate conditions)	6.3	10.3	Pdth	kW
Tj = -7 °C	(low temperature applications colder climate conditions)	4.3	7.1	Pdth	kW
Tj = -7 °C	(low temperature applications warmer climate conditions)	NA	NA	Pdth	kW
Tj = +2 °C	(average climate conditions)	3.4	5.7	Pdth	kW
Tj = +2 °C	(colder climate conditions)	2.4	3.9	Pdth	kW
Tj = +2 °C	(warmer climate conditions)	6.4	10.6	Pdth	kW
Tj = +2 °C	(low temperature applications average climate conditions)	3.8	6.3	Pdth	kW

Technical parameters for heat pump space heaters and heat pump combination heaters and temperature control packages						
Model	Conditions		Symbol	Unit		
TJ = +2 °C	(low temperature applications colder climate conditions)	086L6026 086L6027 086L6028 086L6029 086L6154				
TJ = +2 °C	(low temperature applications warmer climate conditions)					
TJ = +7 °C	(average climate conditions)					
TJ = +7 °C	(colder climate conditions)					
TJ = +7 °C	(warmer climate conditions)					
TJ = +7 °C	(low temperature applications average climate conditions)					
TJ = +7 °C	(low temperature applications colder climate conditions)					
TJ = +7 °C	(low temperature applications warmer climate conditions)					
TJ = +12 °C	(average climate conditions)					
TJ = +12 °C	(colder climate conditions)					
TJ = +12 °C	(warmer climate conditions)					
TJ = +12 °C	(low temperature applications average climate conditions)					
TJ = +12 °C	(low temperature applications colder climate conditions)					
TJ = +12 °C	(low temperature applications warmer climate conditions)					
TJ = bivalent temperature	(average climate conditions)					
TJ = bivalent temperature	(colder climate conditions)					
TJ = bivalent temperature	(warmer climate conditions)					
TJ = bivalent temperature	(low temperature applications average climate conditions)					
TJ = bivalent temperature	(low temperature applications colder climate conditions)					
TJ = bivalent temperature	(low temperature applications warmer climate conditions)					
TJ = operation limit temperature	(average climate conditions)					
TJ = operation limit temperature	(colder climate conditions)					
TJ = operation limit temperature	(warmer climate conditions)					
TJ = operation limit temperature	(low temperature applications average climate conditions)					
TJ = operation limit temperature	(low temperature applications colder climate conditions)					
TJ = operation limit temperature	(low temperature applications warmer climate conditions)					
Bivalent temperature	(average climate conditions)					
Bivalent temperature	(colder climate conditions)					
Bivalent temperature	(warmer climate conditions)					
Bivalent temperature	(low temperature applications average climate conditions)					
Bivalent temperature	(low temperature applications colder climate conditions)					
Bivalent temperature	(low temperature applications warmer climate conditions)					

Model	Conditions	Symbol	Unit
Bivalent temperature	low temperature applications warmer climate conditions	Tbiv	°C
Degradation coefficient: Tj= +7 °C	(colder climate conditions)	1.0	
Degradation coefficient: Tj= +7 °C	(low temperature applications colder climate conditions)	1.0	
Degradation coefficient: Tj= +12 °C	(average climate conditions)	1.0	
Degradation coefficient: Tj= +12 °C	(colder climate conditions)	1.0	
Degradation coefficient: Tj= +12 °C	(warmer climate conditions)	1.0	
Degradation coefficient: Tj= +12 °C	(low temperature applications average climate conditions)	1.0	
Degradation coefficient: Tj= +12 °C	(low temperature applications colder climate conditions)	1.0	
Degradation coefficient: Tj= +12 °C	(low temperature applications warmer climate conditions)	1.0	
Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	(average climate conditions)	3.09	COPd
Tj = -7 °C	(colder climate conditions)	3.84	COPd
Tj = -7 °C	(warmer climate conditions)	NA	COPd
Tj = -7 °C	(low temperature applications average climate conditions)	4.85	COPd
Tj = -7 °C	(low temperature applications colder climate conditions)	5.67	COPd
Tj = -7 °C	(low temperature applications warmer climate conditions)	NA	COPd
Tj = +2 °C	(average climate conditions)	4.03	COPd
Tj = +2 °C	(colder climate conditions)	4.51	COPd
Tj = +2 °C	(warmer climate conditions)	2.81	COPd
Tj = +2 °C	(low temperature applications average climate conditions)	5.70	COPd
Tj = +2 °C	(low temperature applications colder climate conditions)	6.21	COPd
Tj = +2 °C	(low temperature applications warmer climate conditions)	4.43	COPd
Tj = +7 °C	(average climate conditions)	4.55	COPd
Tj = +7 °C	(colder climate conditions)	4.65	COPd
Tj = +7 °C	(warmer climate conditions)	3.65	COPd
Tj = +7 °C	(low temperature applications average climate conditions)	6.15	COPd
Tj = +7 °C	(low temperature applications colder climate conditions)	6.01	COPd
Tj = +7 °C	(low temperature applications warmer climate conditions)	5.45	COPd
Tj = +12 °C	(average climate conditions)	4.54	COPd
Tj = +12 °C	(colder climate conditions)	4.74	COPd
Tj = +12 °C	(warmer climate conditions)	4.56	COPd
086L6026			
086L6027			
086L6028			
086L6029			
086L6154			
CALIBRA 7 400V			
CALIBRA 7 DUO 400V			
CALIBRA 7 230V			
CALIBRA 7 DUO 230V			
CALIBRA 7 400V (WHITE)			
CALIBRA 12 400V			
CALIBRA 12 DUO 400V			
CALIBRA 12 400V (WHITE)			

Model	Conditions	086L6026 086L6027 086L6028 086L6029 086L6154	086L5951 086L5952 086L6155	Symbol	Unit
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Model	Conditions				
Tj = +12 °C	(low temperature applications average climate conditions)	CALIBRA 7 400V CALIBRA 7 DUO 400V CALIBRA 7 230V CALIBRA 7 DUO 230V CALIBRA 7 400V (WHITE)	CALIBRA 12 400V CALIBRA 12 DUO 400V CALIBRA 12 400V (WHITE)	COPd	
Tj = +12 °C	(low temperature applications colder climate conditions)	5.77	5.97	COPd	
Tj = +12 °C	(low temperature applications warmer climate conditions)	5.43	5.78	COPd	
Tj = bivalent temperature	(average climate conditions)	6.16	6.54	COPd	
Tj = bivalent temperature	(colder climate conditions)	2.81	2.88	COPd	
Tj = bivalent temperature	(warmer climate conditions)	2.81	2.88	COPd	
Tj = bivalent temperature	(low temperature applications average climate conditions)	4.43	4.39	COPd	
Tj = bivalent temperature	(low temperature applications colder climate conditions)	4.43	4.39	COPd	
Tj = bivalent temperature	(low temperature applications warmer climate conditions)	4.43	4.39	COPd	
Tj = operation limit temperature	(average climate conditions)	2.81	2.88	COPd	
Tj = operation limit temperature	(colder climate conditions)	2.81	2.88	COPd	
Tj = operation limit temperature	(warmer climate conditions)	2.81	2.88	COPd	
Tj = operation limit temperature	(low temperature applications average climate conditions)	4.43	4.39	COPd	
Tj = operation limit temperature	(low temperature applications colder climate conditions)	4.43	4.39	COPd	
Tj = operation limit temperature	(low temperature applications warmer climate conditions)	4.43	4.39	COPd	
Heating water operating limit temperature		65	65	WTOL	°C
Power consumption in other mode than active					
Off mode		0.010	0.015	POFF	KW
Thermostat off mode		0.013	0.018	PTO	KW
Standby mode		0.013	0.018	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		
Capacity control		Capacity controlled	Capacity controlled		
Sound power levels indoors		32	35	LWA	dB
Sound power levels indoors (Duo Version)		33	36	LWA	dB
Annual energy consumption	(average climate conditions)	3291	5320	QHE	kWh
Annual energy consumption	(colder climate conditions)	3802	6094	QHE	kWh

Technical parameters for heat pump space heaters and heat pump combination heaters and temperature control packages						
Model	Conditions		Symbol	Unit		
Annual energy consumption	(warmer climate conditions)	086L6026 086L6027 086L6028 086L6029 086L6154	QHE	kWh	086L5951 086L5952 086L6155	
Annual energy consumption	(low temperature applications average climate conditions)	CALIBRA 7 400V	QHE	kWh	3471	
Annual energy consumption	(low temperature applications colder climate conditions)	CALIBRA 7 DUO 400V	QHE	kWh	4249	
Annual energy consumption	(low temperature applications warmer climate conditions)	CALIBRA 7 230V	QHE	kWh	4963	
Annual energy consumption	(low temperature applications warmer climate conditions)	CALIBRA 7 DUO 230V	QHE	kWh	2766	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(average climate conditions)	CALIBRA 7 400V (WHITE)		m <sup>3</sup> /h	2	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(colder climate conditions)			m <sup>3</sup> /h	2	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(warmer climate conditions)			m <sup>3</sup> /h	2	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications average climate conditions)			m <sup>3</sup> /h	2	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications colder climate conditions)			m <sup>3</sup> /h	2	
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications warmer climate conditions)			m <sup>3</sup> /h	2	
Possibility to run only during off peak hours					Yes	
For heat pump combination heater:					Yes	
Declared load profile *						
Daily electricity consumption *		XL			XL	
Annual electricity consumption		7,160	Gelec	kWh	7,134	
Water heater energy efficiency *		1554	AEC	kWh/annum	1546	
Energy label water heater		108	η <sub>wh</sub>	%	108	
*Same figures for Average, Cold and warm climate conditions		A			A	
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.					