

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		086L3991 086L5120 086L5178 086L5720		
Model	Conditions	Diplomat Inverter Mini Diplomat Duo Inverter Mini Diplomat Inverter Mini 230 Diplomat Duo Inverter Mini 230	Symbol	Unit
Air to water heat pump		NO		
Water-to-water heat pump		YES		
Brine-to water heat pump		YES		
Low Temperature Heat pump		NO		
Equipped with supplementary heater		YES		
Heat pump combination heater		YES		
Built in temperature control class		II		
Built in temperature control contribution to energy efficiency		2		%
Danfoss Link temperature control class		VI		
Danfoss Link temperature control contribution to energy efficiency		4		%
Rated heat output	(average climate conditions)	6	Prated	kW
Rated heat output	(colder climate conditions)	6	Prated	kW
Rated heat output	(warmer climate conditions)	6	Prated	kW
Rated heat output	(low temperature applications average climate conditions)	7	Prated	kW
Rated heat output	(low temperature applications colder climate conditions)	7	Prated	kW
Rated heat output	(low temperature applications warmer climate conditions)	7	Prated	kW
SCOP	(average climate conditions)	3,96		
SCOP	(colder climate conditions)	4,12		
SCOP	(warmer climate conditions)	3,92		
SCOP	(low temperature applications average climate conditions)	5,56		
SCOP	(low temperature applications colder climate conditions)	5,77		
SCOP	(low temperature applications warmer climate conditions)	5,54		

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Model	Conditions	Diplomat Inverter Mini Diplomat Duo Inverter Mini Diplomat Inverter Mini 230 Diplomat Duo Inverter Mini 230	Symbol	Unit
Seasonal space heating Energy efficiency	(average climate conditions)	150	ηs	%
Seasonal space heating Energy efficiency Built in temperature control	(average climate conditions)	152	ηs	%
Seasonal space heating Energy efficiency Danfoss Link temperature control	(average climate conditions)	154	ηs	%
Seasonal space heating Energy efficiency	(colder climate conditions)	157	ηs	%
Seasonal space heating Energy efficiency Built in temperature control	(colder climate conditions)	159	ηs	%
Seasonal space heating Energy efficiency Danfoss Link temperature control	(colder climate conditions)	161	ηs	%
Seasonal space heating Energy efficiency	(warmer climate conditions)	149	ηs	%
Seasonal space heating Energy efficiency Built in temperature control	(warmer climate conditions)	151	ηs	%
Seasonal space heating Energy efficiency Danfoss Link temperature control	(warmer climate conditions)	153	ηs	%
Seasonal space heating Energy efficiency	(low temperature applications average climate conditions)	214	ηs	%
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications average climate conditions)	216	ηs	%
Seasonal space heating Energy efficiency Danfoss Link temperature control	(low temperature applications average climate conditions)	218	ηs	%
Seasonal space heating Energy efficiency	(low temperature applications colder climate conditions)	223	ηs	%
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications colder climate conditions)	225	ηs	%
Seasonal space heating Energy efficiency Danfoss Link temperature control	(low temperature applications colder climate conditions)	227	ηs	%
Seasonal space heating Energy efficiency	(low temperature applications warmer climate conditions)	214	ηs	%
Seasonal space heating Energy efficiency Built in temperature control	(low temperature applications warmer climate conditions)	216	ηs	%
Seasonal space heating Energy efficiency Danfoss Link temperature control	(low temperature applications warmer climate conditions)	218	ηs	%

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Model	Conditions	Diplomat Inverter Mini Diplomat Duo Inverter Mini Diplomat Inverter Mini 230 Diplomat Duo Inverter Mini 230	Symbol	Unit
Energy efficiency class		A++		
Energy efficiency class built in temperature control package		A+++		
Energy efficiency class Danfoss Link temperature control package		A+++		
Energy efficiency class	(low temperature applications)	A++		
Energy efficiency class built in temperature control package	(low temperature applications)	A+++		
Energy efficiency class Danfoss Link temperature control package	(low temperature applications)	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	Pdh	kW
Tj = -7 °C	(colder climate conditions)	3,9	Pdh	kW
Tj = -7 °C	(warmer climate conditions)	NA	Pdh	kW
Tj = -7 °C	(low temperature applications average climate conditions)	6,3	Pdh	kW
Tj = -7 °C	(low temperature applications colder climate conditions)	4,3	Pdh	kW
Tj = -7 °C	(low temperature applications warmer climate conditions)	NA	Pdh	kW
Tj = +2 °C	(average climate conditions)	3,4	Pdh	kW
Tj = +2 °C	(colder climate conditions)	2,4	Pdh	kW
Tj = +2 °C	(warmer climate conditions)	6,4	Pdh	kW
Tj = +2 °C	(low temperature applications average climate conditions)	3,8	Pdh	kW
Tj = +2 °C	(low temperature applications colder climate conditions)	2,6	Pdh	kW
Tj = +2 °C	(low temperature applications warmer climate conditions)	7,1	Pdh	kW
Tj = +7 °C	(average climate conditions)	2,2	Pdh	kW
Tj = +7 °C	(colder climate conditions)	2,1	Pdh	kW
Tj = +7 °C	(warmer climate conditions)	4,1	Pdh	kW

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Model	Conditions	Diplomat Inverter Mini Diplomat Duo Inverter Mini Diplomat Inverter Mini 230 Diplomat Duo Inverter Mini 230	Symbol	Unit
T _j = +7 °C	(low temperature applications average climate conditions)	2,5	Pdh	kW
T _j = +7 °C	(low temperature applications colder climate conditions)	2,2	Pdh	kW
T _j = +7 °C	(low temperature applications warmer climate conditions)	4,6	Pdh	kW
T _j = +12 °C	(average climate conditions)	2,1	Pdh	kW
T _j = +12 °C	(colder climate conditions)	2,1	Pdh	kW
T _j = +12 °C	(warmer climate conditions)	2,1	Pdh	kW
T _j = +12 °C	(low temperature applications average climate conditions)	2,2	Pdh	kW
T _j = +12 °C	(low temperature applications colder climate conditions)	2,2	Pdh	kW
T _j = +12 °C	(low temperature applications warmer climate conditions)	2,0	Pdh	kW
T _j = bivalent temperature	(average climate conditions)	6,4	Pdh	kW
T _j = bivalent temperature	(colder climate conditions)	6,4	Pdh	kW
T _j = bivalent temperature	(warmer climate conditions)	6,4	Pdh	kW
T _j = bivalent temperature	(low temperature applications average climate conditions)	7,1	Pdh	kW
T _j = bivalent temperature	(low temperature applications colder climate conditions)	7,1	Pdh	kW
T _j = bivalent temperature	(low temperature applications warmer climate conditions)	7,1	Pdh	kW
T _j = operation limit temperature	(average climate conditions)	6,4	Pdh	kW
T _j = operation limit temperature	(colder climate conditions)	6,4	Pdh	kW
T _j = operation limit temperature	(warmer climate conditions)	6,4	Pdh	kW
T _j = operation limit temperature	(low temperature applications average climate conditions)	7,1	Pdh	kW
T _j = operation limit temperature	(low temperature applications colder climate conditions)	7,1	Pdh	kW
T _j = operation limit temperature	(low temperature applications warmer climate conditions)	7,1	Pdh	kW

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Model	Conditions	Diplomat Inverter Mini Diplomat Duo Inverter Mini Diplomat Inverter Mini 230 Diplomat Duo Inverter Mini 230	Symbol	Unit
Bivalent temperature	(average climate conditions)	-10	Tbiv	°C
Bivalent temperature	(colder climate conditions)	-22	Tbiv	°C
Bivalent temperature	(warmer climate conditions)	2	Tbiv	°C
Bivalent temperature	(low temperature applications average climate conditions)	-10	Tbiv	°C
Bivalent temperature	(low temperature applications colder climate conditions)	-22	Tbiv	°C
Bivalent temperature	(low temperature applications warmer climate conditions)	2	Tbiv	°C
Degradation coefficient Tj= +7 °C	(colder climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +7 °C	(low temperature applications colder climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(average climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(colder climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(warmer climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(low temperature applications average climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(low temperature applications colder climate conditions)	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(low temperature applications warmer climate conditions)	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)	3,09	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	

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T _j = +2 °C	(average climate conditions)	4,03	COP _d	
T _j = +2 °C	(colder climate conditions)	4,51	COP _d	
T _j = +2 °C	(warmer climate conditions)	2,81	COP _d	
T _j = +2 °C	(low temperature applications average climate conditions)	5,70	COP _d	
T _j = +2 °C	(low temperature applications colder climate conditions)	6,21	COP _d	
T _j = +2 °C	(low temperature applications warmer climate conditions)	4,43	COP _d	
T _j = +7 °C	(average climate conditions)	4,55	COP _d	
T _j = +7 °C	(colder climate conditions)	4,65	COP _d	
T _j = +7 °C	(warmer climate conditions)	3,65	COP _d	
T _j = +7 °C	(low temperature applications average climate conditions)	6,15	COP _d	
T _j = +7 °C	(low temperature applications colder climate conditions)	6,01	COP _d	
T _j = +7 °C	(low temperature applications warmer climate conditions)	5,45	COP _d	
T _j = +12 °C	(average climate conditions)	4,54	COP _d	
T _j = +12 °C	(colder climate conditions)	4,54	COP _d	
T _j = +12 °C	(warmer climate conditions)	4,56	COP _d	
T _j = +12 °C	(low temperature applications average climate conditions)	5,77	COP _d	
T _j = +12 °C	(low temperature applications colder climate conditions)	5,43	COP _d	
T _j = +12 °C	(low temperature applications warmer climate conditions)	6,16	COP _d	
T _j = bivalent temperature	(average climate conditions)	2,81	COP _d	
T _j = bivalent temperature	(colder climate conditions)	2,81	COP _d	
T _j = bivalent temperature	(warmer climate conditions)	2,81	COP _d	
T _j = bivalent temperature	(low temperature applications average climate conditions)	4,43	COP _d	

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Tj = bivalent temperature	(low temperature applications colder climate conditions)	4,43	COPd	
Tj = bivalent temperature	(low temperature applications warmer climate conditions)	4,43	COPd	
Tj = operation limit temperature	(average climate conditions)	2,81	COPd	
Tj = operation limit temperature	(colder climate conditions)	2,81	COPd	
Tj = operation limit temperature	(warmer climate conditions)	2,81	COPd	
Tj = operation limit temperature	(low temperature applications average climate conditions)	4,43	COPd	
Tj = operation limit temperature	(low temperature applications colder climate conditions)	4,43	COPd	
Tj = operation limit temperature	(low temperature applications warmer climate conditions)	4,43	COPd	
Heating water operating limit temperature		65,00	WTOL	°C
Power consumption in other mode than active				
Off mode		0,010	POFF	kW
Thermostat off mode		0,013	PTO	kW
Standby mode		0,013	PSB	kW
Crancase heater mode		0,000	PCK	kW
Supplementary heater				
Rated heat output	(average climate conditions)	0,0	Psup	kW
Rated heat output	(colder climate conditions)	0,0	Psup	kW
Rated heat output	(warmer climate conditions)	0,0	Psup	kW
Rated heat output	(low temperature applications average climate conditions)	0,0	Psup	kW
Rated heat output	(low temperature applications colder climate conditions)	0,0	Psup	kW
Rated heat output	(low temperature applications warmer climate conditions)	0,0	Psup	kW
Type of energy input		Electrical		
Other items				
Capacity control		Capacity controlled		
Sound power levels indoors		43	LWA	dB