

Tj = bivalent temperature	(colder climate conditions)	3,7	5,1	7,3	8,7	10,5	15,1	Pdh	kW
Tj = bivalent temperature	(warmer climate conditions)	3,7	5,0	7,2	8,7	10,4	15,1	Pdh	kW
Tj = bivalent temperature	(low temperature applications average climate conditions)	4,1	5,3	7,9	9,3	11,3	16,8	Pdh	kW
Tj = bivalent temperature	(low temperature applications colder climate conditions)	4,1	5,3	7,9	9,3	11,3	16,9	Pdh	kW
Tj = bivalent temperature	(low temperature applications warmer climate conditions)	4,3	5,3	7,9	9,3	11,3	16,9	Pdh	kW
Tj = operation limit temperature	(average climate conditions)	3,6	4,8	7,1	8,6	10,3	14,4	Pdh	kW
Tj = operation limit temperature	(colder climate conditions)	3,6	4,8	7,1	8,6	10,3	14,4	Pdh	kW
Tj = operation limit temperature	(warmer climate conditions)	3,6	4,8	7,1	8,6	10,3	14,4	Pdh	kW
Tj = operation limit temperature	(low temperature applications average climate conditions)	4,1	5,3	7,9	9,3	11,3	16,8	Pdh	kW
Tj = operation limit temperature	(low temperature applications colder climate conditions)	4,1	5,3	7,9	9,3	11,3	16,8	Pdh	kW
Tj = operation limit temperature	(low temperature applications warmer climate conditions)	4,1	5,3	7,9	9,3	11,3	16,8	Pdh	kW
Bivalent temperature	(average climate conditions)	-6	-7	-8	-8	-8	-7	Tbiv	°C
Bivalent temperature	(colder climate conditions)	-16	-17	-17	-17	-18	-17	Tbiv	°C
Bivalent temperature	(warmer climate conditions)	4	4	3	4	3	4	Tbiv	°C
Bivalent temperature	(low temperature applications average climate conditions)	-6	-7	-8	-8	-8	-8	Tbiv	°C
Bivalent temperature	(low temperature applications colder climate conditions)	-16	-17	-19	-18	-19	-17	Tbiv	°C
Bivalent temperature	(low temperature applications warmer climate conditions)	4	4	3	3	3	4	Tbiv	°C
Degradation coefficient Tj= -7 °C	(average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= -7 °C	(colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= -7 °C	(warmer climate conditions)	NA	NA	NA	NA	NA	NA	Cdh	
Degradation coefficient Tj= -7 °C	(low temperature applications average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= -7 °C	(low temperature applications colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= -7 °C	(low temperature applications warmer climate conditions)	NA	NA	NA	NA	NA	NA	Cdh	
Degradation coefficient Tj= +2 °C	(average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +2 °C	(colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +2 °C	(warmer climate conditions)	NA	NA	NA	NA	NA	NA	Cdh	
Degradation coefficient Tj= +2 °C	(low temperature applications average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +2 °C	(low temperature applications colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +2 °C	(low temperature applications warmer climate conditions)	NA	NA	NA	NA	NA	NA	Cdh	
Degradation coefficient Tj= +7 °C	(average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +7 °C	(colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +7 °C	(warmer climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +7 °C	(low temperature applications average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +7 °C	(low temperature applications colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +7 °C	(low temperature applications warmer climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(warmer climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(low temperature applications average climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(low temperature applications colder climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Degradation coefficient Tj= +12 °C	(low temperature applications warmer climate conditions)	1,0	1,0	1,0	1,0	1,0	1,0	Cdh	
Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T									
Tj = -7 °C	(average climate conditions)	2,68	2,84	2,90	2,95	3,12	2,83	COPd	
Tj = -7 °C	(colder climate conditions)	3,11	3,40	3,32	3,39	3,54	3,37	COPd	
Tj = -7 °C	(warmer climate conditions)	NA	NA	NA	NA	NA	NA	COPd	
Tj = -7 °C	(low temperature applications average climate conditions)	4,20	4,16	4,26	4,21	4,48	4,25	COPd	
Tj = -7 °C	(low temperature applications colder climate conditions)	4,48	4,30	4,51	4,46	4,73	4,46	COPd	
Tj = -7 °C	(low temperature applications warmer climate conditions)	NA	NA	NA	NA	NA	NA	COPd	
Tj = +2 °C	(average climate conditions)	3,21	3,50	3,42	3,52	3,64	3,50	COPd	
Tj = +2 °C	(colder climate conditions)	3,44	3,64	3,66	3,76	3,93	3,69	COPd	
Tj = +2 °C	(warmer climate conditions)	2,50	2,60	2,71	2,75	2,92	2,59	COPd	
Tj = +2 °C	(low temperature applications average climate conditions)	4,42	4,25	4,48	4,41	4,89	4,40	COPd	
Tj = +2 °C	(low temperature applications colder climate conditions)	4,64	4,35	4,66	4,64	4,90	4,57	COPd	
Tj = +2 °C	(low temperature applications warmer climate conditions)	4,09	4,09	4,17	4,12	4,39	4,19	COPd	
Tj = +7 °C	(average climate conditions)	3,50	3,67	3,71	3,83	3,99	3,73	COPd	
Tj = +7 °C	(colder climate conditions)	3,72	3,94	3,94	4,08	4,28	3,91	COPd	
Tj = +7 °C	(warmer climate conditions)	2,99	3,21	2,71	3,26	3,39	3,23	COPd	
Tj = +7 °C	(low temperature applications average climate conditions)	4,61	4,32	4,64	4,62	4,89	4,54	COPd	
Tj = +7 °C	(low temperature applications colder climate conditions)	4,73	4,34	4,77	4,79	5,03	4,64	COPd	
Tj = +7 °C	(low temperature applications warmer climate conditions)	4,38	4,25	4,44	4,37	4,65	4,40	COPd	
Tj = +12 °C	(average climate conditions)	3,77	3,72	4,02	4,19	4,40	3,93	COPd	
Tj = +12 °C	(colder climate conditions)	3,82	3,67	4,14	4,32	4,56	3,97	COPd	
Tj = +12 °C	(warmer climate conditions)	3,60	3,71	3,16	3,95	4,13	3,82	COPd	
Tj = +12 °C	(low temperature applications average climate conditions)	4,70	4,22	4,80	4,83	5,08	4,59	COPd	
Tj = +12 °C	(low temperature applications colder climate conditions)	4,53	4,03	4,74	4,78	5,04	4,49	COPd	
Tj = +12 °C	(low temperature applications warmer climate conditions)	4,66	4,34	4,70	4,69	4,96	4,60	COPd	
Tj = bivalent temperature	(average climate conditions)	2,75	2,90	2,90	3,02	3,05	2,83	COPd	
Tj = bivalent temperature	(colder climate conditions)	2,77	3,03	2,94	2,99	3,11	2,89	COPd	
Tj = bivalent temperature	(warmer climate conditions)	2,72	2,89	3,80	2,99	3,04	3,82	COPd	
Tj = bivalent temperature	(low temperature applications average climate conditions)	4,25	4,16	4,24	4,18	4,46	4,24	COPd	
Tj = bivalent temperature	(low temperature applications colder climate conditions)	4,31	4,20	4,27	4,25	4,49	4,32	COPd	
Tj = bivalent temperature	(low temperature applications warmer climate conditions)	4,26	4,20	4,25	4,20	4,47	4,32	COPd	
Tj = operation limit temperature	(average climate conditions)	2,50	2,60	2,71	2,75	2,92	2,59	COPd	
Tj = operation limit temperature	(colder climate conditions)	2,50	2,60	2,71	2,75	2,92	2,59	COPd	
Tj = operation limit temperature	(warmer climate conditions)	2,50	2,60	2,71	2,75	2,92	2,59	COPd	
Tj = operation limit temperature	(low temperature applications average climate conditions)	4,09	4,09	4,17	4,12	4,39	4,19	COPd	
Tj = operation limit temperature	(low temperature applications colder climate conditions)	4,09	4,09	4,17	4,12	4,39	4,19	COPd	
Tj = operation limit temperature	(low temperature applications warmer climate conditions)	4,09	4,09	4,17	4,12	4,39	4,19	COPd	
Heating water operating limit temperature		60	60	60	60	60	60	WTOL	°C
Power consumption in other mode than active									

Off mode		0,004	0,004	0,002	0,002	0,002	0,004	POFF	kW
Thermostat off mode		0,004	0,004	0,004	0,003	0,003	0,004	PTO	kW
Standby mode		0,004	0,004	0,004	0,003	0,003	0,004	PSB	kW
Crancase heater mode								PCK	kW
Supplementary heater									
Rated heat output	(average climate conditions)	1,2136	1,4891	1,6535	2,311	1,825	4,581	Psup	kW
Rated heat output	(colder climate conditions)	1,2369	1,7235	1,8173	2,032	2,21	4,935	Psup	kW
Rated heat output	(warmer climate conditions)	1,1517	1,4083	1,2377	2,172	1,753	3,38	Psup	kW
Rated heat output	(low temperature applications average climate conditions)	0,7436	0,6952	0,9158	1,045	1,242	1,4	Psup	kW
Rated heat output	(low temperature applications colder climate conditions)	0,7669	0,8076	0,9351	1,372	1,269	2,545	Psup	kW
Rated heat output	(low temperature applications warmer climate conditions)	0,6817	0,8883	0,8638	0,984	1,168	2,8	Psup	kW
Type of energy input		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical		
Other items									
Capacity control		Fixed	Fixed	Fixed	Fixed	Fixed	Fixed		
Sound power levels indoors		42	47	44	46	49		LWA	dB
Sound power levels indoors (Duo Version)		42	44	44	47	48	50	LWA	dB
Annual energy consumption	(average climate conditions)	3165	3852	5336	6430	6865	11521	QHE	kWh
Annual energy consumption	(colder climate conditions)	3701	4686	6365	7311	8259	13721	QHE	kWh
Annual energy consumption	(warmer climate conditions)	2015	2484	3277	4092	4396	7716	QHE	kWh
Annual energy consumption	(low temperature applications average climate conditions)	2274	2956	4046	4804	5477	8518	QHE	kWh
Annual energy consumption	(low temperature applications colder climate conditions)	2655	3540	4743	5781	6416	10618	QHE	kWh
Annual energy consumption	(low temperature applications warmer climate conditions)	1438	1963	2577	3053	3484	5877	QHE	kWh
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(average climate conditions)	1	1	1	2	2	3		m3/h
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(colder climate conditions)	1	1	1	2	2	3		m3/h
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(warmer climate conditions)	1	1	1	2	2	3		m3/h
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications average climate conditions)	1	1	2	2	3	4		m3/h
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications colder climate conditions)	1	1	2	2	3	4		m3/h
For brine to water heat pumps: Rated brine flow rate, outdoor heat exchanger	(low temperature applications warmer climate conditions)	1	1	2	2	3	4		m3/h
Possibility to run only during off peak hours		Yes	Yes	Yes	Yes	Yes	Yes		
For heat pump combination heater:									
Declared load profile *		XL	XL	XL	XL	XL	XL		
Daily electricity consumption *		8,890	8,950	8,500	8,930	9,020	9,500	Qelec	kWh
Annual electricity consumption		1919	1933	1824	1923	1942	2046	AEC	kWh/annum
Water heater energy efficiency *		86	86	91	86	85	81	rwh	%
Energy label water heater		A	A	A	A	A	A		