



Technical documentation

Model		NSKW17			
Type of heat pump	<input type="checkbox"/> Air-water <input type="checkbox"/> Exhaust-water <input checked="" type="checkbox"/> Brine-water <input type="checkbox"/> Water-water				
Low-temperature heat pump	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Integrated immersion heater for additional heat	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Heat pump combination heater	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Climate	<input checked="" type="checkbox"/> Average <input type="checkbox"/> Cold <input type="checkbox"/> Warm				
Temperature application	<input type="checkbox"/> Average (55°C) <input checked="" type="checkbox"/> Low (35°C)				
Applied standards	EN-14825; EN-16147				
Rated heat output	Prated	17.02	kW	Seasonal space heating energy efficiency	N _s 164 %
Declared capacity for space heating at part load and at outdoor temperature T _j				Declared coefficient of performance for space heating at part load and at outdoor temperature T _j	
T _j = -7 °C	P _{dh}	17.06	kW	T _j = -7 °C	COP _d 4.05
T _j = +2 °C	P _{dh}	17.18	kW	T _j = +2 °C	COP _d 4.27
T _j = +7 °C	P _{dh}	17.29	kW	T _j = +7 °C	COP _d 4.49
T _j = +12 °C	P _{dh}	17.41	kW	T _j = +12 °C	COP _d 4.72
T _j = biv	P _{dh}	16.60	kW	T _j = biv	COP _d 3.70
T _j = TOL	P _{dh}	16.60	kW	T _j = TOL	COP _d 3.70
T _j = -15 °C (if TOL < -20 °C)	P _{dh}	-	kW	T _j = -15 °C (if TOL < -20 °C)	COP _d -
Bivalent temperature	T _{biv}	-10	°C	Min. outdoor air temperature	TOL -10 °C
Cycling interval capacity	P _{cyh}	-	kW	Cycling interval efficiency	COP _{cyh} -
Degradation coefficient	C _{dh}	1.00	-	Max supply temperature	WTOL 55.0 °C
Power consumption in modes other than active mode Additional heat				Additional heat	
Off mode	P _{OFF}	0.010	kW	Rated heat output	P _{sup} - kW
Thermostat-off mode	P _{TO}	0.005	kW		
Standby mode	P _{SB}	0.007	kW	Type of energy input	-
Crankcase heater mode	P _{CK}	-	kW		
Other items					
Capacity control	Fixed			Rated airflow (air-water)	- m ³ /h
Sound power level, indoors/outdoors	L _{WA}	63/0	dB	Nominal heating medium flow	3.24 m ³ /h
Annual energy consumption	Q _{HE}	7985	kWh	Brine flow brine-water or water-water heat pumps	4.32 m ³ /h
For heat pump combination heater:					
Declared load profile	XL			Water heating energy efficiency	η _{wh} 92.4 %
Daily electricity consumption	Q _{elec}	12.12	kWh	Daily fuel consumption	Q _{fuel} kWh
Annual electricity consumption	AEC	2613	kWh	Annual fuel consumption	AFC GJ
Reference Temperature	θ _{WH}	51.7	°C	Standard heat loss of tank	1.98 kWh/Day
				Tank volume	384 L/tank
Approved by:					
Contact details	@ WaterFurnace International - 9000 Conservation Way, Fort Wayne, IN 46809				
The data provided is in accordance with the EU Directive No 811/2013, 812/2013, 813/2013 and 814/2013					
You can find information and precautions related to installation and maintenance in the Installation manuals					
You can find relevant information for disposal of unit at end of life in the instruction manual					