



The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.



Product fiche				
		CTA		
Manufacturer	CTA AG	AC Cooling Heating		
Model	OH 1-6es 230V B/W			
Information on energy efficiency class and rated output				
	Average / Low temperature	Average / Medium temperature		
Space heating energy efficiency class	 A+++	A++	-	
Rated heat output	6.00	5.40	kW	
Seasonal space heating energy efficiency	180	126	%	
Annual final energy consumption space heating	2585	3275	kWh	
Sound power level indoors		48	dB	
Special precautions during assembly, installation or ma	intenance			
All instructional work in the installation and maintenance mai		unalified specialist personr	nel in	
Additional information				
Rated heat output colder climate	Low temperature	Medium temperature		
	Low temperature 6.00	Medium temperature 5.40	kW	
Rated heat output warmer climate	· ·		kW	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate	6.00	5.40		
Rated heat output warmer climate	6.00 6.00	5.40 5.40	kW	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate	6.00 6.00 185	5.40 5.40 129	kW %	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate	6.00 6.00 185 175	5.40 5.40 129 124	kW % %	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate	6.00 6.00 185 175 3030	5.40 5.40 129 124 3863	kW % % kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate	6.00 6.00 185 175 3030	5.40 5.40 129 124 3863 2137	kW % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate	6.00 6.00 185 175 3030	5.40 5.40 129 124 3863 2137	kW % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate Sound power level outdoors Technical data of the temperature controller	6.00 6.00 185 175 3030 1701	5.40 5.40 129 124 3863 2137 -	kW % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate Sound power level outdoors Technical data of the temperature controller Manufacturer	6.00 6.00 185 175 3030 1701	5.40 5.40 129 124 3863 2137 - Siemens	kW % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate Sound power level outdoors Technical data of the temperature controller	6.00 6.00 185 175 3030 1701	5.40 5.40 129 124 3863 2137 -	kW % % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate Sound power level outdoors Technical data of the temperature controller Manufacturer	6.00 6.00 185 175 3030 1701	5.40 5.40 129 124 3863 2137 - Siemens	kW % % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate Sound power level outdoors Technical data of the temperature controller Manufacturer Model	6.00 6.00 185 175 3030 1701	5.40 5.40 129 124 3863 2137 - Siemens RVS 61	kW % % kWh kWh	
Rated heat output warmer climate Seasonal space heating energy efficiency colder climate Seasonal space heating energy efficiency warmer climate Annual final energy consumption colder climate Annual final energy consumption warmer climate Sound power level outdoors Technical data of the temperature controller Manufacturer Model Class of the controller	6.00 6.00 185 175 3030 1701	5.40 5.40 129 124 3863 2137 - Siemens RVS 61 VII 3.5	kW % kWh kWh dB	

Model				OH 1-6es 230V B/W			
Brine-to-water heat pump: (Yes/No)			Yes				
Water-to-water heat pump: (Yes/No) Air-to-water heat pump: (Yes/No) Low temperature heat pump: (Yes/No) Equipped with supplementary heater: (Yes/No) Heat pump combination heater: (Yes/No) Application: (Low temperature/Medium temperature) Climate: (Colder/Average/Warmer)			No				
			No		T		
			No	- (TA		
			Yes			C.	
			No		Cooling 🛑	Heating	
			Medium temperature Average				
Rated heat output	Prated	5.40	kW	Seasonal space heating energy efficiency	ηS	126	%
Declared capacity for heating for part load at indoor			Declared coefficient of performance for part load at indoor				
temperature 20°C and outdoor tem			T	temperature 20°C and outdoor ter			
Tj = -7°C	Pdh	5.50	kW	Tj = -7°C	COPd	2.80	-
Tj = +2°C	Pdh	5.70	kW	Tj = +2°C	COPd	3.39	-
Tj = +7°C	Pdh	5.80	kW	Tj = +7°C	COPd	3.76	-
Tj = +12°C	Pdh	6.00	kW	Tj = +12°C	COPd	4.34	-
Tj = biv	Pdh	5.40	kW	Tj = biv	COPd	2.62	-
Tj = TOL	Pdh	5.40	kW	Tj = TOL	COPd	2.62	-
Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	Tj = -15°C if TOL < -20°C)	COPd	-	-
Bivalent temperature	T biv	-10	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient	Cdh	1	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes othe	er than activ	ve mode		Supplementary heater	<u> </u>		
Off mode	POFF	0.01	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	Рто	0.01	kW	Type of energy input		-	
Standby mode	PSB	0.01	kW				
Crankcase heater mode	Рск	0	kW				
Other items	<u> </u>	<u> </u>					
Capacity control	fixed			Rated air flow rate, outdoors	-	-	m ³ /h
Sound power level, indoors/outdoors	LWA	48 / -	dB	Rated brine or water flow rate, outdoor heat exchanger	-	1.2	m ³ /h
Emissions of nitrogen oxides	NO _X	-	mg/kWh		1 1		1
For heat pump combination heater		I	1 -	1			
Declared load profile	-			Water heating energy efficiency	^η wh	-	%
Daily electricity consumption	Q elec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact		unziaens		L	1		1

Model				OH 1-6es 230V B/W											
Brine-to-water heat pump: (Yes/No)			Yes												
Water-to-water heat pump: (Yes/No) Air-to-water heat pump: (Yes/No) Low temperature heat pump: (Yes/No) Equipped with supplementary heater: (Yes/No) Heat pump combination heater: (Yes/No) Application: (Low temperature/Medium temperature) Climate: (Colder/Average/Warmer)			No												
			No No												
								Yes			U esting				
			No Low temperature Average												
								Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
								Rated heat output	Prated	6.00	kW	Seasonal space heating energy efficiency	ηS	180	%
			Declared capacity for heating for part load at indoor			Declared coefficient of performance for part load at indoor									
temperature 20°C and outdoor tem		-	•	temperature 20°C and outdoor ter			-								
Tj = -7°C	Pdh	6.00	kW	Tj = -7°C	COPd	4.47	-								
Tj = +2°C	Pdh	6.00	kW	Tj = +2°C	COPd	4.76	-								
Tj = +7°C	Pdh	6.10	kW	Tj = +7°C	COPd	5.09	-								
Tj = +12°C	Pdh	6.10	kW	Tj = +12°C	COPd	5.45	-								
Tj = biv	Pdh	6.00	kW	Tj = biv	COPd	4.34	-								
Tj = TOL	Pdh	6.00	kW	Tj = TOL	COPd	4.34	-								
Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	Tj = -15°C if TOL < -20°C)	COPd	-	-								
Bivalent temperature	T biv	-10	°C	Operation limit temperature	TOL	-10	°C								
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-								
Degradation co-efficient	Cdh	1	-	Heating water operating limit temperature	WTOL	65	°C								
Power consumption in modes othe	er than activ	ve mode	1	Supplementary heater	<u> </u>		1								
Off mode	POFF	0.01	kW	Rated heat output	Psup	-	kW								
Thermostat-off mode	Рто	0.01	kW	Type of energy input		-									
Standby mode	PSB	0.01	kW												
Crankcase heater mode	Рск	0	kW												
Other items	Į	Į	1	1	<u> </u>										
Capacity control	fixed			Rated air flow rate, outdoors	-	-	m³/h								
Sound power level, indoors/outdoors	LWA	48 / -	dB	Rated brine or water flow rate, outdoor heat exchanger	-	1.2	m ³ /h								
Emissions of nitrogen oxides	NO _X	-	mg/kWh		1		1								
For heat pump combination heater		1		1											
Declared load profile	-			Water heating energy efficiency	^η wh	-	%								
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh								
Contact		unziaens		L											