

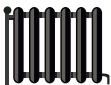


ENERG

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I - Klima - Kälte - Wärme || OH 34e Duo HT - S/W Art.Nr.: B11245



55 °C

35 °C



57 dB





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■ 33
■ **33**
■ 33
kW

■ 35
■ **35**
■ 35
kW



Product fiche				
Manufacturer	CTA AG			
Model	OH 34e Duo HT 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	35.20	32.40	kW	
Seasonal space heating energy efficiency	182	128	%	
Annual final energy consumption space heating	15269	19696	kWh	
Sound power level indoors		57	dB	
Special precautions during assembly, installation or maintenance				
see installation and maintenance instructions				
Additional information				
	Low temperature	Medium temperature		
Rated heat output colder climate	35.20	32.40	kW	
Rated heat output warmer climate	35.20	32.40	kW	
Seasonal space heating energy efficiency colder climate	185	129	%	
Seasonal space heating energy efficiency warmer climate	185	165	%	
Annual final energy consumption colder climate	17940	23274	kWh	
Annual final energy consumption warmer climate	9726	13014	kWh	
Sound power level outdoors		-	dB	
Technical data of the temperature controller				
Manufacturer	Siemens			
Model	RVS 61			
Class of the controller		VII	-	
Contribution of the controller to seasonal space heating energy efficiency		3.5	%	
Contact	CTA AG, Hunzigenstrasse 2, CH-3110 Münsingen			

Model				OH 34e Duo HT B/W						
Brine-to-water heat pump: (Yes/No)				Yes						
Water-to-water heat pump: (Yes/No)				No						
Air-to-water heat pump: (Yes/No)				No						
Low temperature heat pump: (Yes/No)				No						
Equipped with supplementary heater: (Yes/No)				No						
Heat pump combination heater: (Yes/No)				No						
Application: (Low temperature/Medium temperature)				Medium temperature						
Climate: (Colder/Average/Warmer)				Average						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output	Prated	32.40	kW	Seasonal space heating energy efficiency	η_S	128	%			
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj						
Tj = -7°C	Pdh	32.80	kW	Tj = -7°C	COPd	3.03	-			
Tj = +2°C	Pdh	34.10	kW	Tj = +2°C	COPd	3.77	-			
Tj = +7°C	Pdh	35.00	kW	Tj = +7°C	COPd	4.44	-			
Tj = +12°C	Pdh	35.90	kW	Tj = +12°C	COPd	5.33	-			
Tj = biv	Pdh	32.40	kW	Tj = biv	COPd	2.82	-			
Tj = TOL	Pdh	32.40	kW	Tj = TOL	COPd	2.82	-			
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	P _{cy}	-	kW	Cycling interval efficiency	COP _{cy}	-	-			
Degradation co-efficient	Cdh	0.9	-	Heating water operating limit temperature	WTOL	65	°C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.003	kW	Rated heat output	P _{sup}	-	kW			
Thermostat-off mode	P _{TO}	0.012	kW	Type of energy input	-					
Standby mode	P _{SB}	0.003	kW							
Crankcase heater mode	P _{CK}	0.003	kW							
Other items										
Capacity control	staged			Rated air flow rate, outdoors	-	-	m ³ /h			
Sound power level, indoors/outdoors	L _{WA}	57 / -	dB	Rated brine or water flow rate, outdoor heat exchanger	-	7.0	m ³ /h			
Emissions of nitrogen oxides	NO _x	-	mg/kWh							
For heat pump combination heater										
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%			
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh			
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Model				OH 34e Duo HT B/W						
Brine-to-water heat pump: (Yes/No)				Yes						
Water-to-water heat pump: (Yes/No)				No						
Air-to-water heat pump: (Yes/No)				No						
Low temperature heat pump: (Yes/No)				No						
Equipped with supplementary heater: (Yes/No)				No						
Heat pump combination heater: (Yes/No)				No						
Application: (Low temperature/Medium temperature)				Low temperature						
Climate: (Colder/Average/Warmer)				Average						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output	Prated	35.20	kW	Seasonal space heating energy efficiency	η_S	182	%			
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj						
Tj = -7°C	Pdh	35.30	kW	Tj = -7°C	COPd	4.70	-			
Tj = +2°C	Pdh	35.90	kW	Tj = +2°C	COPd	5.33	-			
Tj = +7°C	Pdh	36.40	kW	Tj = +7°C	COPd	5.90	-			
Tj = +12°C	Pdh	36.70	kW	Tj = +12°C	COPd	6.34	-			
Tj = biv	Pdh	35.20	kW	Tj = biv	COPd	4.57	-			
Tj = TOL	Pdh	35.20	kW	Tj = TOL	COPd	4.57	-			
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	P _{psych}	-	kW	Cycling interval efficiency	COP _{psych}	-	-			
Degradation co-efficient	Cdh	0.9	-	Heating water operating limit temperature	WTOL	65	°C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.003	kW	Rated heat output	P _{sup}	-	kW			
Thermostat-off mode	P _{TO}	0.012	kW	Type of energy input	-					
Standby mode	P _{SB}	0.003	kW							
Crankcase heater mode	P _{CK}	0.003	kW							
Other items										
Capacity control	staged			Rated air flow rate, outdoors	-	-	m ³ /h			
Sound power level, indoors/outdoors	L _{WA}	57 / -	dB	Rated brine or water flow rate, outdoor heat exchanger	-	7.0	m ³ /h			
Emissions of nitrogen oxides	NO _x	-	mg/kWh							
For heat pump combination heater										
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%			
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh			
Contact	CTA AG, Hunzigenstrasse 2, CH-3110 Münsingen									