Model(s):		Outdoor unit: AQUE-140-V3 Indoor un			Indoor unit: AQUI-160-V3	1		
Air-to-water heat pump:		YES						
Water-to-water heat pump:		NO NO						
Brine-to-water heat pump:					NO			
Low-temperature heat pump:					NO			
Equipped with a supplementary I	neater:				YES			
Heat pump combination heater:					NO			
Declared climate condition:				A۱	/ERAGE			
Parameters are declared for med	ium-temperati	ure application						
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uı	
Rated heat output (*)	Prated	14	kW	Seasonal space hea	ns ns	128	9/	
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor temper	ature 20 °C	Declared coefficient	of performance or primary 20 °C and outdoor tempera		part loa	
Тј = -7°С	Pdh	12.2	kW	Tj = -7℃	COPd	2.00	-	
Тј = 2℃	Pdh	8.3	kW	Tj = 2℃	COPd	3.14		
Tj = 7°C	Pdh	5.0	kW	Tj = 7℃	COPd	4.56	-	
Tj = 12°C	Pdh	2.7	kW	Tj = 12°C	COPd	6.24		
Tj = bivalent temperature	Pdh	12.3	kW	Tj = bivalent temperat	ture COPd	2.00		
Tj = operating limit temperature	Pdh	10.3	kW	Tj = operating limit te	mperature COPd	1.66		
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat Tj = -15°C	cOPd	-	-	
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat Operation limit temp	11()1	-10	°(	
Cycling interval capacity for heating	P <sub>cych</sub>	-	kW	Cycling interval effic	iency COP <sub>cyc</sub>	-		
Degradation co-efficient (**)	C <sub>dh</sub>	0.9		Heating water opera temperature	ting limit W <sub>TOL</sub>	60	°(	
Power consumption in modes ot	ner than activ	ve mode		Supplementary heate	er .			
Off mode	P <sub>off</sub>	0.019	kW	Dated back subsub (1	:*\	0.5	14)	
Standby mode	P <sub>sb</sub>	0.019	kW	Rated heat output (*	**) Psup	3.5	k۱	
Thermostat-off mode	P <sub>to</sub>	0.078	kW	Type of energy inpu	ıt	Electrical		
Crankcase heater mode	P <sub>ck</sub>	0.014	kW					
Other items								
Capacity control		variable		For air-to-water heat Rated air flow rate,				
Sound power level, indoors/ outdoors	L <sub>WA</sub>	45 / 71	dB	For water- or brine- heat pumps: Rated water flow rate, out	brine or	-	m <sup>3</sup>	
Annual energy consumption	$Q_{HE}$	8692	kWh	exchanger	door risut			
For heat pump combination heat	er:							
Declared load profile		-		Water heating end	n <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumpt	ion Q <sub>fuel</sub>	-	kV	
Annual electricity consumption	AEC	-	kWh	Annual fuel consum	ption AFC	-	G	
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Model(s):		Outdoor unit: AQUE-140-V3 Indoor unit: AQUI-160-V3							
Air-to-water heat pump:		YES							
Water-to-water heat pump:				NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				NO					
Equipped with a supplementary he	ater:			YES					
Heat pump combination heater:				NO NO					
Declared climate condition:				COLDER					
Parameters are declared for mediu	m-temperatu	re application.							
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηѕ	103	%		
Declared capacity for heating for p and outdoor temperature Tj	art load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
Tj = -7 °C	Pdh	8.8	kW	Tj = -7℃	COPd	2.19	-		
Tj = 2°C	Pdh	5.3	kW	Tj = 2℃	COPd	3.17	-		
Tj = 7 °C	Pdh	3.3	kW	Tj = 7°C	COPd	4.40	-		
Tj = 12 °C	Pdh	2.4	kW	Tj = 12 °C	COPd	6.15	-		
Tj = bivalent temperature	Pdh	10.5	kW	Tj = bivalent temperature	COPd	1.85	-		
Tj = operating limit temperature	Pdh	7.1	kW	, , , ,	COPd	1.29	-		
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$	COPd	-	-		
Bivalent temperature	T <sub>biv</sub>	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	-	kW	Cycling interval efficiency	COP <sub>cyc</sub>	-	-		
Degradation co-efficient (**)	C <sub>dh</sub>	0.9		Heating water operating limit temperature	W <sub>TOL</sub>	60	°C		
Power consumption in modes othe	r than active	e mode		Supplementary heater					
Off mode	P <sub>off</sub>	0.019	kW	Rated heat output (**)	Psup	14.3	kW		
Standby mode	P <sub>sb</sub>	0.019	kW	rated real output ( )	Гобр	14.5			
Thermostat-off mode	P <sub>to</sub>	0.078 0.014	kW kW	Type of energy input	Electrical				
Crankcase heater mode	P <sub>ck</sub>	0.014	KVV						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat		-	m³/ŀ		
Annual energy consumption	Q <sub>HE</sub>	13314	kWh	exchanger					
For heat pump combination heaters	:								
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWl		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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Model(s):			Outd	oor unit: AQUE-140-V3 Indoor u	unit: AQUI-160-V3				
Air-to-water heat pump:		YES							
Water-to-water heat pump:		NO NO							
Brine-to-water heat pump:				NO					
Low-temperature heat pump:		NO NO							
Equipped with a supplementary heater:		YES							
Heat pump combination heater:		NO							
Declared climate condition:				WARMER					
Parameters are declared for medic	um-temperati	ire application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni		
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	165	%		
Declared capacity for heating for land outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of performindoor temperature 20 °C and			part load		
Tj = -7℃	Pdh	-	kW	Tj = -7 °C	COPd	-	-		
Tj = 2°C	Pdh	14.0	kW	Tj = 2 C	COPd	2.31	-		
Тј = 7 С	Pdh	9.3	kW	Тј = 7 С	COPd	3.45	-		
Tj = 12°C	Pdh	4.2	kW	Tj = 12℃	COPd	5.76	-		
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	2.31	-		
Tj = operating limit	Pdh	14.0	kW	Tj = operating limit	COPd	2.31	-		
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15  \text{C}$	COPd	-	-		
Bivalent temperature	T <sub>biv</sub>	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	-	kW	Cycling interval efficiency	COP <sub>cyc</sub>	-	-		
Degradation co-efficient (**)	C <sub>dh</sub>	0.9		Heating water operating limit temperature	W <sub>TOL</sub>	60	°C		
Power consumption in modes other	er than activ	e mode		Supplementary heater					
Off mode	P <sub>off</sub>	0.019	kW	Rated heat output (**)	Psup	0	kW		
Standby mode	P <sub>sb</sub>	0.019	kW	Rated Heat Output ( )	Fsup	U	KVV		
Thermostat-off mode	P <sub>to</sub>	0.078	kW	Type of energy input	Electrical				
Crankcase heater mode	P <sub>ck</sub>	0.014	kW						
Other items	1				1				
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors		6500	m³/		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m <sup>3</sup> /l		
Annual energy consumption	Q <sub>HE</sub>	3780	kWh	water flow rate, outdoor heat exchanger					
For heat pump combination heater	r:								
Declared load profile		-		Water heating energy efficiency	$\eta_{\text{wh}}$	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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