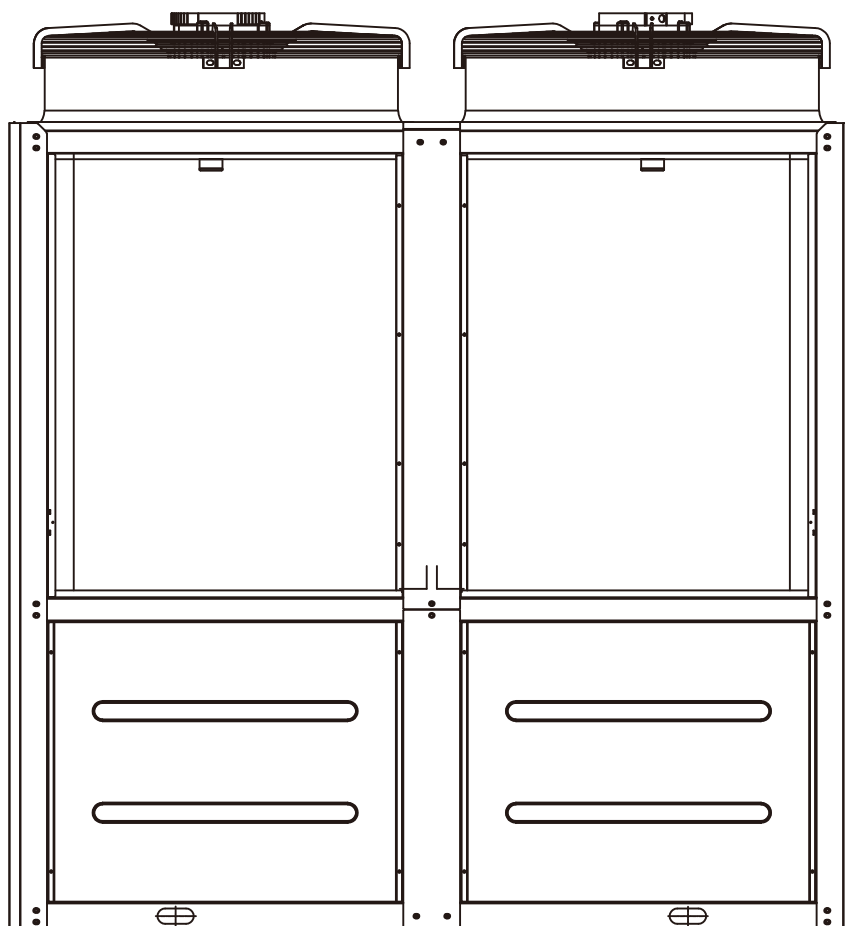




TECHNICAL DATA MANUAL

EU R32 Aqua Falcon Air Cooled Modular Chiller



IMPORTANT NOTE:

Thank you very much for purchasing our product.
Before using your unit, please read this manual carefully and keep it for future reference.

Technical parameters														
Model				Outdoor unit		70kW								
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 heater				no										
Heat pump combination heater				no										
Declared climate condition				average										
Parameters are declared for low-temperature application.														
Item				Symbol	Value	Unit		Item				Symbol	Value	Unit
Rated heat output (*)				Prated	48	kW		Seasonal space heating energy efficiency				ηs	186.1	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj							Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj							
Tj = – 7°C		Pdh	43.249	kW		Tj = – 7°C		COPd	2.778	-				
Tj = + 2°C		Pdh	25.604	kW		Tj = + 2°C		COPd	4.577	-				
Tj = + 7°C		Pdh	16.911	kW		Tj = + 7°C		COPd	6.623	-				
Tj = + 12°C		Pdh	16.082	kW		Tj = + 12°C		COPd	8.336	-				
Tj = bivalent temperature		Pdh	43.249	kW		Tj = bivalent temperature		COPd	2.778	-				
Tj = operation limit temperature		Pdh	47.903	kW		Tj = operation limit temperature		COPd	2.513	-				
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pdh	N/A	kW		For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		COPd	N/A	-				
Bivalent temperature		Tbiv	-7	°C		For air-to-water heat pumps: Operation limit temperature		TOL	-10	°C				
Cycling interval capacity for heating		Pcych	N/A	kW		Cycling interval efficiency		COPcyc	N/A	-				
Degradation co-efficient (**)		Cdh	0.9	kW		Heating water operating limit temperature		WTOL	60	°C				
Power consumption in modes other than active mode							Supplementary heater							
Off mode		POff	0.065	kW		Rated heat output (**)								
Thermostat-off mode		PTO	0.252	kW		Supplementary heater				Psup	0.097	kW		
Standby mode		PSB	0.065	kW		Type of energy input				Electric				
Crankcase heater mode		PCK	0.142	kW										
Other items														
Capacity control		variable				For air-to-water heat pumps: Rated air flow rate, outdoors				-	25000	m³/h		
Sound power level, indoors/outdoors		LwA	84	dB		For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	N/A	m³/h		
Annual energy consumption		QRE	21362	kWh										
For heat pump combination heater:														
Declared load profile		N/A				Water heating energy efficiency				ηwh	N/A	%		
Daily electricity consumption		Qelec	N/A	kWh		Daily fuel consumption				Qfuel	N/A	kWh		
Annual electricity consumption		AEC	N/A	kWh		Annual fuel consumption				AFC	N/A	GJ		
Contact details		See the back cover of the manual												
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.														

Technical parameters									
Model				Outdoor unit		70kW			
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 heater				no					
Heat pump combination heater				no					
Declared climate condition				average					
Parameters are declared for medium-temperature application.									
Item				Symbol		Value		Unit	
Rated heat output (*)				Prated		40		kW	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = – 7°C		Pdh		36.583		kW			
Tj = + 2°C		Pdh		21.314		kW			
Tj = + 7°C		Pdh		14.151		kW			
Tj = + 12°C		Pdh		15.248		kW			
Tj = bivalent temperature		Pdh		36.583		kW			
Tj = operation limit temperature		Pdh		39.744		kW			
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pdh		N/A		kW			
Bivalent temperature		Tbiv		-7		°C			
Cycling interval capacity for heating		Pcyc		N/A		kW			
Degradation co-efficient (**)		Cdh		0.9		kW			
Power consumption in modes other than active mode				Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj					
Off mode		Poff		0.065		kW			
Thermostat-off mode		Pto		0.252		kW			
Standby mode		Psb		0.065		kW			
Crankcase heater mode		Pcx		0.142		kW			
				Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj					
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors		-		25000 m³/h	
Sound power level, indoors/outdoors		LRA		84 dB		For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		- N/A m³/h	
Annual energy consumption		QHE		24620 kWh					
For heat pump combination heater:									
Declared load profile		N/A		Water heating energy efficiency		ηwh		N/A %	
Daily electricity consumption		Qelec		N/A kWh		Qfuel		N/A kWh	
Annual electricity consumption		AEC		N/A kWh		AFC		N/A GJ	
Contact details		See the back cover of the manual							
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.									

Technical parameters															
Model				Outdoor unit		70kW(With hydro kit)									
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 heater				no											
Heat pump combination heater				no											
Declared climate condition				average											
Parameters are declared for low-temperature application.															
Item					Item				Symbol	Value	Unit				
Rated heat output (*)				Prated	48	kW	Seasonal space heating energy efficiency				ηs	181.1	%		
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj							Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj								
Tj = – 7°C		Pdh	42.509	kW			Tj = – 7°C		COPd	2.719	-				
Tj = + 2°C		Pdh	25.430	kW			Tj = + 2°C		COPd	4.485	-				
Tj = + 7°C		Pdh	16.740	kW			Tj = + 7°C		COPd	6.341	-				
Tj = + 12°C		Pdh	15.910	kW			Tj = + 12°C		COPd	7.915	-				
Tj = bivalent temperature		Pdh	42.509	kW			Tj = bivalent temperature		COPd	2.719	-				
Tj = operation limit temperature		Pdh	47.973	kW			Tj = operation limit temperature		COPd	2.513	-				
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pdh	N/A	kW			For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		COPd	N/A	-				
Bivalent temperature		Tdiv	-7	°C			For air-to-water heat pumps: Operation limit temperature		TOL	-10	°C				
Cycling interval capacity for heating		Pcyc	N/A	kW			Cycling interval efficiency		COPcyc	N/A	-				
Degradation co-efficient (**)		Cdh	0.9	kW			Heating water operating limit temperature		WTOL	60	°C				
Power consumption in modes other than active mode							Supplementary heater								
Off mode		POFF	0.065	kW			Rated heat output (**)								
Thermostat-off mode		PTO	0.252	kW			Supplementary heater		Psup	0.027	kW				
Standby mode		PSB	0.065	kW			Type of energy input		Electric						
Crankcase heater mode		PCK	0.142	kW											
Other items															
Capacity control		variable					For air-to-water heat pumps: Rated air flow rate, outdoors		-	25000	m³/h				
Sound power level, indoors/ outdoors		LPA	85	dB			For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	N/A	m³/h				
Annual energy consumption		QHE	21573	kWh											
For heat pump combination heater:															
Declared load profile		N/A					Water heating energy efficiency		ηwh	N/A	%				
Daily electricity consumption		Qelec	N/A	kWh			Daily fuel consumption		Qfuel	N/A	kWh				
Annual electricity consumption		AEC	N/A	kWh			Annual fuel consumption		AFC	N/A	GJ				
Contact details		See the back cover of the manual													
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.															

Technical parameters															
Model				Outdoor unit		70kW(With hydro kit)									
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 heater				no											
Heat pump combination heater				no											
Declared climate condition				average											
Parameters are declared for medium-temperature application.															
Item				Symbol	Value	Unit		Item				Symbol	Value	Unit	
Rated heat output (*)				Prated	40	kW		Seasonal space heating energy efficiency				ηs	133.3	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj							Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj								
Tj = – 7°C				Pdh	35.409	kW		Tj = – 7°C				COPd	2.109	-	
Tj = + 2°C				Pdh	21.141	kW		Tj = + 2°C				COPd	3.344	-	
Tj = + 7°C				Pdh	13.977	kW		Tj = + 7°C				COPd	4.427	-	
Tj = + 12°C				Pdh	15.074	kW		Tj = + 12°C				COPd	6.083	-	
Tj = bivalent temperature				Pdh	35.409	kW		Tj = bivalent temperature				COPd	2.109	-	
Tj = operation limit temperature				Pdh	39.937	kW		Tj = operation limit temperature				COPd	1.893	-	
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)				Pdh	N/A	kW		For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)				COPd	N/A	-	
Bivalent temperature				Tdiv	-7	°C		For air-to-water heat pumps: Operation limit temperature				TOL	-10	°C	
Cycling interval capacity for heating				Pcyc	N/A	kW		Cycling interval efficiency				COPcyc	N/A	-	
Degradation co-efficient (**)				Cdh	0.9	kW		Heating water operating limit temperature				WTOL	60	°C	
Power consumption in modes other than active mode							Supplementary heater								
Off mode				POFF	0.065	kW		Rated heat output (**)							
Thermostat-off mode				Pto	0.252	kW		Supplementary heater				Psup	0.060	kW	
Standby mode				PSB	0.065	kW		Type of energy input				Electric			
Crankcase heater mode				PCK	0.142	kW									
Other items															
Capacity control				variable				For air-to-water heat pumps: Rated air flow rate, outdoors				-	25000	m³/h	
Sound power level, indoors/ outdoors				LWA	85	dB		For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	N/A	m³/h	
Annual energy consumption				QHE	24266	kWh									
For heat pump combination heater:															
Declared load profile				N/A				Water heating energy efficiency				ηwh	N/A	%	
Daily electricity consumption				Qelec	N/A	kWh		Daily fuel consumption				Qfuel	N/A	kWh	
Annual electricity consumption				AEC	N/A	kWh		Annual fuel consumption				AFC	N/A	GJ	
Contact details				See the back cover of the manual											
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.															

Technical parameters														
Model				Outdoor unit		140kW								
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 heater				no										
Heat pump combination heater				no										
Declared climate condition				average										
Parameters are declared for low-temperature application.														
Item				Symbol	Value	Unit		Item		Symbol	Value	Unit		
Rated heat output (*)				Prated	95	kW		Seasonal space heating energy efficiency				ηs	167.3	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj								Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = – 7°C		Pd _h	85.680	kW				Tj = – 7°C		COP _d	2.712	-		
Tj = + 2°C		Pd _h	51.202	kW				Tj = + 2°C		COP _d	3.995	-		
Tj = + 7°C		Pd _h	31.210	kW				Tj = + 7°C		COP _d	5.790	-		
Tj = + 12°C		Pd _h	14.067	kW				Tj = + 12°C		COP _d	7.556	-		
Tj = bivalent temperature		Pd _h	85.680	kW				Tj = bivalent temperature		COP _d	2.712	-		
Tj = operation limit temperature		Pd _h	94.943	kW				Tj = operation limit temperature		COP _d	2.326	-		
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pd _h	N/A	kW				For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		COP _d	N/A	-		
Bivalent temperature		T _{biv}	-7	°C				For air-to-water heat pumps: Operation limit temperature		TOL	-10	°C		
Cycling interval capacity for heating		P _{cych}	N/A	kW				Cycling interval efficiency		COP _{cyc}	N/A	-		
Degradation co-efficient (**)		C _{dh}	0.9	kW				Heating water operating limit temperature		WTOL	60	°C		
Power consumption in modes other than active mode								Supplementary heater						
Off mode		P _{OFF}	0.150	kW				Rated heat output (**)						
Thermostat-off mode		P _{TO}	0.700	kW				Supplementary heater		P _{sup}	0.057	kW		
Standby mode		P _{SB}	0.150	kW				Type of energy input		Electric				
Crankcase heater mode		P _{CK}	0.150	kW										
Other items														
Capacity control		variable						For air-to-water heat pumps: Rated air flow rate, outdoors		-	50000	m³/h		
Sound power level, indoors/outdoors		L _{WA}	89	dB				For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	N/A	m³/h		
Annual energy consumption		Q _{HE}	46995	kWh										
For heat pump combination heater:														
Declared load profile		N/A						Water heating energy efficiency		η _{wh}	N/A	%		
Daily electricity consumption		Q _{elec}	N/A	kWh				Daily fuel consumption		Q _{fuel}	N/A	kWh		
Annual electricity consumption		AEC	N/A	kWh				Annual fuel consumption		AFC	N/A	GJ		
Contact details		See the back cover of the manual												
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.														

Technical parameters															
Model				Outdoor unit		140kW									
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 heater				no											
Heat pump combination heater				no											
Declared climate condition				average											
Parameters are declared for medium-temperature application.															
Item				Symbol	Value	Unit		Item				Symbol	Value	Unit	
Rated heat output (*)				Prated	80	kW		Seasonal space heating energy efficiency				ηs	129.1	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj							Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj								
Tj = – 7°C		Pdh	70.730	kW		Tj = – 7°C		COPd	2.170	-					
Tj = + 2°C		Pdh	42.950	kW		Tj = + 2°C		COPd	3.080	-					
Tj = + 7°C		Pdh	27.600	kW		Tj = + 7°C		COPd	4.420	-					
Tj = + 12°C		Pdh	12.350	kW		Tj = + 12°C		COPd	5.730	-					
Tj = bivalent temperature		Pdh	70.730	kW		Tj = bivalent temperature		COPd	2.170	-					
Tj = operation limit temperature		Pdh	79.660	kW		Tj = operation limit temperature		COPd	1.930	-					
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pdh	N/A	kW		For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		COPd	N/A	-					
Bivalent temperature		Tbiv	-7	°C		For air-to-water heat pumps: Operation limit temperature		TOL	-10	°C					
Cycling interval capacity for heating		Pcyc	N/A	kW		Cycling interval efficiency		COPcyc	N/A	-					
Degradation co-efficient (**)		Cdh	0,9	kW		Heating water operating limit temperature		WTOL	60	°C					
Power consumption in modes other than active mode							Supplementary heater								
Off mode		POff	0.150	kW		Rated heat output (**)									
Thermostat-off mode		PTO	0.700	kW		Supplementary heater				Psup	0.340	kW			
Standby mode		PSB	0.150	kW		Type of energy input		Electric							
Crankcase heater mode		PCK	0.150	kW											
Other items															
Capacity control		variable				For air-to-water heat pumps: Rated air flow rate, outdoors		-	50000	m³/h					
Sound power level, indoors/outdoors		LpA	89	dB		For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	N/A	m³/h					
Annual energy consumption		QHE	50030	kWh											
For heat pump combination heater:															
Declared load profile		N/A				Water heating energy efficiency		ηwh	N/A	%					
Daily electricity consumption		Qelec	N/A	kWh		Daily fuel consumption		Qfuel	N/A	kWh					
Annual electricity consumption		AEC	N/A	kWh		Annual fuel consumption		AFC	N/A	GJ					
Contact details		See the back cover of the manual													
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.															

Technical parameters																
Model				Outdoor unit		140kW(With hydro kit)										
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 heater				no												
Heat pump combination heater				no												
Declared climate condition				average												
Parameters are declared for low-temperature application.																
Item				Symbol	Value	Unit		Item		Symbol	Value	Unit				
Rated heat output (*)				Prated	95	kW		Seasonal space heating energy efficiency				ηs	163.2	%		
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj								Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj								
Tj = – 7°C		Pdh	84.509	kW				Tj = – 7°C		COPd	2.621	-				
Tj = + 2°C		Pdh	49.456	kW				Tj = + 2°C		COPd	3.823	-				
Tj = + 7°C		Pdh	35.959	kW				Tj = + 7°C		COPd	5.846	-				
Tj = + 12°C		Pdh	15.593	kW				Tj = + 12°C		COPd	7.934	-				
Tj = bivalent temperature		Pdh	84.509	kW				Tj = bivalent temperature		COPd	2.621	-				
Tj = operation limit temperature		Pdh	94.136	kW				Tj = operation limit temperature		COPd	2.220	-				
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pdh	N/A	kW				For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		COPd	N/A	-				
Bivalent temperature		Tbiv	-7	°C				For air-to-water heat pumps: Operation limit temperature		TOL	-10	°C				
Cycling interval capacity for heating		Pcych	N/A	kW				Cycling interval efficiency		COPcyc	N/A	-				
Degradation co-efficient (**)		Cdh	0.9	kW				Heating water operating limit temperature		WTOL	60	°C				
Power consumption in modes other than active mode								Supplementary heater								
Off mode		POFF	0.150	kW				Rated heat output (**)								
Thermostat-off mode		PTO	0.700	kW				Supplementary heater		Psup	0.864	kW				
Standby mode		PSB	0.150	kW				Type of energy input		Electric						
Crankcase heater mode		PCK	0.150	kW												
Other items																
Capacity control		variable						For air-to-water heat pumps: Rated air flow rate, outdoors		-	50000	m³/h				
Sound power level, indoors/outdoors		LWA	90	dB				For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	N/A	m³/h				
Annual energy consumption		QHE	47223	kWh												
For heat pump combination heater:																
Declared load profile		N/A						Water heating energy efficiency		ηwh	N/A	%				
Daily electricity consumption		Qelec	N/A	kWh				Daily fuel consumption		Qfuel	N/A	kWh				
Annual electricity consumption		AEC	N/A	kWh				Annual fuel consumption		AFC	N/A	GJ				
Contact details		See the back cover of the manual														
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.																

Technical parameters									
Model				Outdoor unit		140kW(With hydro kit)			
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 heater				no					
Heat pump combination heater				no					
Declared climate condition				average					
Parameters are declared for medium-temperature application.									
Item				Symbol		Value		Unit	
Rated heat output (*)				Prated		80		kW	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = – 7°C		Pdh		71.420		kW			
Tj = + 2°C		Pdh		44.050		kW			
Tj = + 7°C		Pdh		28.740		kW			
Tj = + 12°C		Pdh		13.280		kW			
Tj = bivalent temperature		Pdh		71.420		kW			
Tj = operation limit temperature		Pdh		79.800		kW			
For air-to-water heat pumps: Tj = – 15°C (if TOL < – 20°C)		Pdh		N/A		kW			
Bivalent temperature		Tbiv		-7		°C			
Cycling interval capacity for heating		Pcyh		N/A		kW			
Degradation co-efficient (**)		Cdh		0,9		kW			
Power consumption in modes other than active mode				Supplementary heater					
Off mode		POFF		0.150		kW		Rated heat output (**)	
Thermostat-off mode		PTO		0.700		kW		Supplementary heater	
Standby mode		PSB		0.150		kW		Psup	
Crankcase heater mode		PCK		0.150		kW		0.200	
								kW	
								Type of energy input	
								Electric	
Other items									
Capacity control		variable				For air-to-water heat pumps: Rated air flow rate, outdoors		-	
Sound power level, indoors/ outdoors		LWA		90		dB		50000	
Annual energy consumption		QHE		51751		kWh		m³/h	
								-	
								N/A	
								m³/h	
For heat pump combination heater:									
Declared load profile		N/A				Water heating energy efficiency		ηwh	
Daily electricity consumption		Qelec		N/A		kWh		Qfuel	
Annual electricity consumption		AEC		N/A		kWh		AFC	
								N/A	
								GJ	
Contact details		See the back cover of the manual							
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.									

