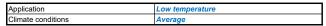
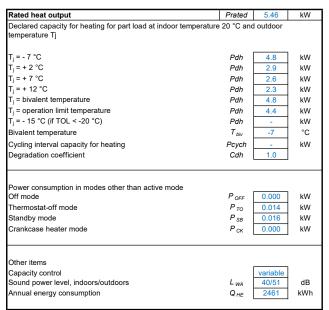
Indoor Unit Model	Vitocal 151-A AWOT-M-E-AC-AF 151.A08
Outdoor Unit Model	Vitocal 15X-A ODU 230V A06 AF
Equipped with a supplementary heater	yes
Heat pump combination heater	yes







Seasonal space heating energy efficiency	η _s	180%	%
Declared coefficient of performance for part load at indoor temporary	erature 20	°C and outd	oor
temperature Tj			
T _j = - 7 °C	COP _d	3.0	
T _j = + 2 °C	COP _d	4.6	
T _j = + 7 °C	COP _d	6.0	
T _j = + 12 °C	COP _d	7.6	
T _j = bivalent temperature	COP _d	3.0	
T _j = operation limit temperature	COP_d	2.7	
T _j = - 15 °C (if TOL < -20 °C)	COP _d	-	
Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COPcyc	-	
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater Rated heat output	Psup	1.1	kW
Nated Heat Output	rsup	1.1	KVV.
Type of energy input		Electric	
Rated air flow rate, outdoors		1954	m³/h

For heat pump combination heater							
Declared load profile		XL]	Water heating energy efficiency	η_{wh}	102	%
Daily electric consumption	Q elec	7973	kWh	Daily fuel consumption	Q fuel	-	kWh
Annual electricity consumption	AEC	1754	kWh	Annual fuel consumption	AFC	-	kWh
Standby cylinder heat loss		1200	Wh/day	Reference hot water temperature		53.2	°C
			-	DHW volume accounted for in test		263	1

Application	Medium temperature
Climate conditions	Average

= + 2 °C	dh dh dh	4.6 2.8 2.5	kW kW
= + 2 °C	dh dh dh	2.8	
= + 7 °C	dh dh		kW
= + 12 °C	dh _	2.5	
= bivalent temperature	⊢		kW
= operation limit temperature		2.5	kW
= -15 °C (if TOL < -20 °C)	dh	4.6	kW
ivalent temperature T cycling interval capacity for heating Pc degradation coefficient C	dh 📙	4.1	kW
cycling interval capacity for heating Pc egradation coefficient C	dh	-	kW
egradation coefficient C	biv	-7	°C
	ych _	-	kW
	dh	1.0	
ower consumption in modes other than active mode			
off mode P	OFF	0.000	kW
hermostat-off mode P	то	0.014	kW
tandby mode P	SB	0.016	kW
trankcase heater mode	ск	0.000	kW
other items			
Capacity control	Γ,	variable	
ound power level, indoors/outdoors	$ extstyle ag{7}$	40/51	dB
unnual energy consumption Q	WA	2947	kWh

Seasonal space heating energy efficiency	η _s	141%	%
Declared coefficient of performance for part load at indoor tem temperature Tj	perature 20	°C and outd	oor
$\begin{split} T_j &= -7 \text{ °C} \\ T_j &= +2 \text{ °C} \\ T_j &= +7 \text{ °C} \\ T_j &= +7 \text{ °C} \\ T_j &= +12 \text{ °C} \\ T_j &= \text{ bivalent temperature} \\ T_j &= \text{ operation limit temperature} \\ T_j &= -15 \text{ °C (if TOL < -20 °C)} \\ Operation limit temperature} \\ Cycling interval efficiency \\ Heating water operating limit temperature \end{split}$	COP _d TOL COPcyc	2.3 3.6 4.7 6.5 2.3 2.1 - -10 - 70	°C
Supplementary heater Rated heat output Type of energy input	Psup	104	kW
Rated air flow rate, outdoors		1954	m³/h

For heat pump combination heater							
Declared load profile		XL]	Water heating energy efficiency	η_{wh}	102	%
Daily electric consumption	Q elec	7973	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	1754	kWh	Annual fuel consumption	AFC	-	kWh
Standby cylinder heat loss		1200	Wh/day	Reference hot water temperature		53.2	°C
				DHW volume accounted for in test		263	