Indoor Unit Model	Vitocal 111-S AWBT-M-E-AC 111.B08 F
Outdoor Unit Model	Vitocal 100-S ODU 230V B08
Equipped with a supplementary heater	yes
Heat pump combination heater	yes

Low temperature

Average

Application

Climate conditions





Rated heat output	Prated	6.4	kW
Declared capacity for heating for part load at indoor temperature temperature Tj	e 20 °C an	d outdoor	
T _i = - 7 °C	Pdh	6.2	kW
T _i = + 2 °C	Pdh	4.3	kW
T _i = + 7 °C	Pdh	5.1	kW
T _i = + 12 °C	Pdh	6.0	kW
T _i = bivalent temperature	Pdh	5.9	kW
T _i = operation limit temperature	Pdh	5.0	kW
T _i = - 15 °C (if TOL < -20 °C)	Pdh	-	kW
Bivalent temperature	T_{biv}	-8	°C
Cycling interval capacity for heating	Pcych	-	kW
Degradation coefficient	Cdh	0.99	
Power consumption in modes other than active mode			
Off mode	P OFF	0.015	kW
Thermostat-off mode	P _{TO}	0.000	kW
Standby mode	PSB	0.000	kW
Crankcase heater mode	PCK	0.000	kW
Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41/64	dB
Annual energy consumption	Q_{HE}	13206	kWh
For heat pump combination heater			
Declared load profile		XL	
Daily electric consumption	Q elec	6519	kWh
Annual electricity consumption	AEC	1406	kWh
Standby cylinder heat loss	ALU	1990	Wh/day
Standby Cylinder Heat 1055		1990	, wii/da

Seasonal space heating energy efficiency	η_s	176	%
Declared coefficient of performance for part load at indoctemperature Tj	or temperature 20	°C and outo	door
T _j = - 7 °C	COP _d	2.7	
T _j = + 2 °C	COP_d	4.3	
T _j = + 7 °C	COP _d	6.2	
T _j = + 12 °C	COP _d	8.9	
T _j = bivalent temperature	COP_d	2.6	
T _j = operation limit temperature	COP _d	2.2	
T _j = - 15 °C (if TOL < -20 °C)	COPd	-	
Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COPcyc	_	
Heating water operating limit temperature	WTOL	55	°C
Supplementary heater			
Rated heat output	Psup	1.4	k۷
Type of energy input		Electric	
Rated air flow rate, outdoors		-	m ³ .

Application	Medium temperature			
Climate conditions	Average			
Rated heat output		Prated	6.7	kW

Rated heat output		Prated	6.7	k۷
Declared capacity for heating for part loa temperature Tj	d at indoor temperature	20 °C and	doutdoor	
T _j = - 7 °C		Pdh	5.9	k۷
T _j = - 7 °C T _j = + 2 °C		Pdh	3.6	k١
T = + 7 °C		Pdh	6.9	l h

Rated heat output	Prated	6.7	kW
Declared capacity for heating for part load at indoor temperature temperature Tj	20 °C and	d outdoor	
T _i = - 7 °C	Pdh	5.9	kW
$T_{j} = -7 ^{\circ}\text{C}$ $T_{j} = +2 ^{\circ}\text{C}$ $T_{j} = +7 ^{\circ}\text{C}$ $T_{j} = +12 ^{\circ}\text{C}$	Pdh	3.6	kW
T _j = + 7 °C	Pdh	6.9	kW
T _j = + 12 °C	Pdh	6.7	kW

6.7	kW	
outdoor		
5.9	kW	
3.6	kW	
6.9	kW	
6.7	kW	
5.9	kW	

Rated air flow rate, outdoors		-	m ³ /h
Water heating energy efficiency Daily fuel consumption Annual fuel consumption Reference hot water temperature DHW volume accounted for in test	n _{wh} Q _{fuel} AFC	125 - - 53.1 290	% kWh kWh °C I
Seasonal space heating energy efficiency	η_s	125%	%
Declared coefficient of performance for part load at indoor temper temperature Tj	erature 20	°C and out	door
T _j = - 7 °C T _j = + 2 °C T _j = + 7 °C T _j = + 12 °C T _, = bivalent temperature	COP _d COP _d COP _d COP _d	2.0 2.9 4.9 7.3	
ij braidit temperature	OO, d	2.0	

T_i = bivalent temperature Pdh T_j = operation limit temperature Pdh 4.7 T_i = - 15 °C (if TOL < -20 °C) Pdh Bivalent temperature T_{biv} Cycling interval capacity for heating

Degradation coefficient	Cdh	0.99	KVV
Power consumption in modes other than active mode Off mode Thermostat-off mode Standby mode Crankcase heater mode	P _{OFF} P _{TO} P _{SB} P _{CK}	0.015 0.000 0.000 0.000	kW kW kW
Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption	L _{WA} Q _{HE}	variable 41/64 13788	dB kWh

1j - + 12 G	COFd 7.3	
T _j = bivalent temperature	COP _d 2.0	
T _j = operation limit temperature	COP _d 1.6	
T _j = - 15 °C (if TOL < -20 °C)	COP _d -	
Operation limit temperature	TOL -20	°C
Cycling interval efficiency	COPcyc	
Heating water operating limit temperature	WTOL 55	_ °c
Supplementary heater		
Rated heat output	Psup 2.0	kW
Type of energy input	Electric	
Rated air flow rate, outdoors	-] m ³ /h
Water heating energy efficiency	η _{wh} 125%	%
Daily fuel consumption	Q fuel -	kWh
Annual fuel consumption	AFC	kWh

Contact details: Viessmann Limited, Hortonwood 30, Telford, TF1 7YP, UK

For heat pump combination heater Declared load profile

Daily electric consumption

Standby cylinder heat loss

Annual electricity consumption

kW

kW

°C k۱۸/

kWh

kWh

Wh/day

6519

1406

1990

Q elec

AEC

Reference hot water temperature

DHW volume accounted for in test

%

°C

°C

kW

kWh 53.1 °C