

Specifications for Sirius FS 400kw and 525kW

Specification				
Model			400	525
Performance	Fuel			
Output @ 80 / 60°C	NG	kW	380	475
Output @ 50 / 30°C	NG	kW	401	527
Input (Gross) Maximum	NG	kW	421.7	554.9
Efficiency				
Efficiency @ 80 / 60°C - 100% Load		% Gross	96.2	96.4
Efficiency @ 50 / 30°C - 30% Load		% Gross	105.5	105.4
Current Building reg. Part L2 Seasonal Efficiency		% Gross	97	97.3
Gas				
Gas Consumption (NG)		m ³ /h	3.5 - 40.0	4.5 - 52.4
Inlet Gas Pressure (Natural Gas - G20)		m/bar	18-20	18-20
Gas Connection Size		inch	2"	
Gas Connection Type		BSP	Male Threaded	
Flue				
Flue Gas Volume @ 80/60°C (NG)		m ³ /h @ STP	673	875
Max Flue Gas Pressure @ Outlet		m/bar	200	250
Hydraulic				
Water Flow Rate @ 15°C T		l/s	6.4	8.4
Water Flow Rate @ 20°C		l/s	4.8	6.3
Hydraulic Resistance @ 15°C T		kPa	73	66
Hydraulic Resistance @ 20°C T		kPa	42	38
Water Content		Litres	30	43
Flow & Return Connection Type		Flanged	DN65 PN6	DN80 PN6
Flue Connection Size		mm	180	180
Max Boiler Operating Pressure		bar	6	6
Min Boiler Operating Pressure		bar	1	1
Maximum Flow Temperature		°C	90	90
General				
Appliance Dry Weight		Kg	359	424
Dimensions (W x D x H)		mm	590 x 1341 x 1405	590 x 1558 x 1405
NOx Level (Dry @ 0% O2)		mg/kWh	26 (45)	26 (45)
CO2 Content - Natural Gas		%	9.0 (8.7)	9
Noise levels @ 1 m from unit		dB(A)	59	65
High Level Ventilation (BS 6644)		cm ²	760	1000
Low Level Ventilation (BS 6644)		cm ²	1520	2000
Electrical				
Power Consumption		W	253	322
Nominal supply voltage		V/Hz	230/50	