

# ProCon Streamline Hybrid. Air source heat pump and gas condensing boiler.



- Wall Hung Gas Condensing boiler with integrated modulating air to water heat pump.
- 3.5-10.2kW Modulating air to water heat pump. R410A. 4.4 COP (A7/W35)
- 7.7-26.8kW Gas condensing boiler. 106.9% efficiency.
- Integrated controls to provide optimum use of most suitable heat source.
- Controls extendable to control thermal solar input.
- Hydraulic configured to simplify site installation.
- Direct on unit weather compensation with priority hot water functionality.
- High-performance heat exchangers made from Aluminum and Copper to guarantee excellent reliability and a long service life.
- 3 Year parts and labour warranty, 5 year heat exchanger warranty.
- Dimensions: Height 910mm x Width 780mm x Depth 300mm.

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## Gas Boiler Module

Description	Unit	
Weight	Kg	64
Dimensions	mm	H 910mm x W 780mm x D 300mm
Primary Water Content	L	1.4
Heat Exchanger Construction		Copper Water Ways & Aluminum Flue Ways
Heating Flow & Return	mm	22
Gas Supply Inlet	mm	15
Flue Gas/Combustion Air	mm	80/125
Nominal Input	kW	7.2 – 27.3
Nominal Output 80/60°C	kW	7.0 – 26.2
Nominal Output 50/30°C	kW	7.7 – 26.8
Nominal Efficiency 80/60°C	%	97.2 – 96.0
Nominal Efficiency 50/30°C	%	98.2 – 106.9
Nominal Efficiency 40/30°C	%	101.0 – 108.5
Maximum Flow Temperature	°C	75
Nominal Mass Flow Rate @20 ΔT	L/h	1160
Maximum Operating Pressure	bar	3
Maximum Inlet Gas pressure	mbar	50
Minimum Inlet Gas Pressure	mbar (Nat/LPG)	18/35
Nominal Power Input	V / Hz	230/50
Installation Categories		B23, B33, C13X , C33X, C43X, C53X, C63X, C83X
Residual Flue Gas Pressure	Pa	90
Flue Gas Temperature @ 80/60°C	°C	94

## Heat Pump Module

System		Air/Water
Model PUHZ-SW75VHA.UK		Heat
Heat output in 7 output levels	kW	7,2 (3,1-10,5)
Range of use for heating	°C	-20 to +24
Max. flow temperature for hot water	°C	60
Max. heat output / Compressor frequency at A10/W 35	kW / Hz / COP <sup>1)</sup>	10,5 / 99 / 4,4
Max. heat output / Compressor frequency at A7/W35	kW / Hz / COP <sup>1)</sup>	10 / 96 / 4,3
Max. heat output / Compressor frequency at A2/W35	kW / Hz / COP <sup>1)</sup>	7,2 / 96 / 3,4
Max. heat output / Compressor frequency at A2/W35	kW / Hz / COP <sup>1)</sup>	5,1 / 61 / 3,9
Max. heat output / Compressor frequency at A-7/W35	kW / Hz / COP <sup>1)</sup>	4,8 / 99 / 2,5
Max. heat output / Compressor frequency at A-15/W35	kW / Hz / COP <sup>1)</sup>	3,8 / 99 / 1,9
Max. heat output / Compressor frequency at A7/W45	kW / Hz / COP <sup>1)</sup>	9,4 / 99 / 3,4
Max. heat output / Compressor frequency at A2/W45	kW / Hz / COP <sup>1)</sup>	7,0 / 96 / 2,8
Max. heat output / Compressor frequency at A-7/W45	kW / Hz / COP <sup>1)</sup>	5,2 / 99 / 2,2
Max. heat output / Compressor frequency at A-15/W45	kW / Hz / COP <sup>1)</sup>	4,3 / 116 / 1,5
Max. heat output / Compressor frequency at A20/W 55	kW / Hz / COP <sup>1)</sup>	10,4 / 94 / 3,0
Max. heat output / Compressor frequency at A7/W55	kW / Hz / COP <sup>1)</sup>	7,9 / 89 / 2,5
Max. heat output / Compressor frequency at A-7/W55	kW / Hz / COP <sup>1)</sup>	3,1 / 95 / 1,1
Refrigerant / Base fill	-- / kg	R 410A <sub>2</sub> / 3,2
Refrigerant, Additional volume 10-50m	g/m	60
Water volume flow at Δt 5K (level 6)	m³/h	1,2
Volume flow, air (exterior unit)	m³/h	3300
Max. operating pressure water	Bar	3,0
Hydraulic connection flow/return	BSP	1" AG
Diameter of cooling lines, liquid	mm	10
Diameter of cooling lines, gas	mm	16
Max. single length	m	50
Max. difference in elevation	m	30
Sound pressure level (for exterior unit)	dB(A)	38 <sub>sp</sub>
Dimensions of interior unit (H x W x D)	mm	910x780x300
Dimensions of exterior unit (H x W x D)	mm	943x950x330
Weight of interior unit	kg	85
Weight of exterior unit	kg	75
<b>Electricals internal unit</b>		
Power supply system	V / Hz	1 NPE 230 V 50 Hz
Fuse on site, Tripping characteristic B	A	16
<b>Electricals external unit</b>		
Power supply system	V / Hz	1 NPE 230 V 50 Hz
Starting current max.	A	19
Operating current	A	9,74
Rated power consumption	kW	2,32
Fuse on site (exterior unit), Tripping characteristic C	A	20

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