

# ProCon MCS 319–2,130kW Gas Condensing Range

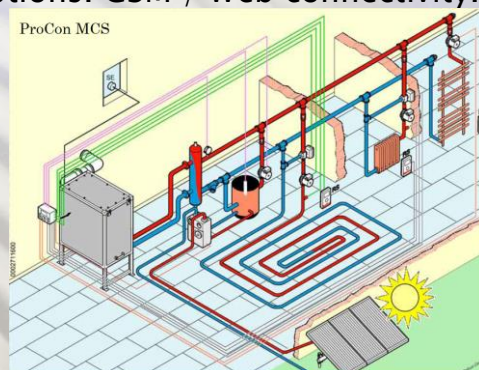


319–532kW (MCS)



585–2130kW (Hidro)

- Stainless Steel Heat Exchanger/s.
- Class 5 NOx.
- Fully modulating burner providing 10:1 to 40:1 Turndown.
- Matched Low Loss Headers.
- Matched System Separation Plate Heat Exchangers.
- Cascade Functionality from 319 to 2,130kW.
- Integral cascade hydraulic kits located within the casing.
- Integral Pump.
- Anti-Seize Program.
- Frost Protection Program.
- Weather Proof casing suitable for external applications.
- Integral safety controls fully compliant with BS:6644 : 2011.
- Natural Gas / LPG Compatible.
- Remote Monitoring Options. GSM / Web connectivity.



MHG Heating Ltd Unit 4 Epsom Downs Metro Centre, Waterfield, Tadworth, Surrey. KT20 5LR  
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# ProCon MCS 319-2,130kW Gas Condensing Range

ProCon MCS		320	400	535	580 Hidro
Nominal Heating Capacity	kW	30 - 300	38 - 380	50 - 500	25 - 550
Nominal Thermal Power (80/60C)	kW	29.39 - 293.9	37.3 - 373	49.1 - 491	24.45 - 538.4
Nominal Thermal Power (50/30C)	kW	31.95 - 319.5	40.47 - 404.7	53.25 - 532.5	24.45 - 585.8
NOx Class		5	5	5	5
Min/Max Working Pressure	Bar	1 / 6	1 / 6	1 / 6	1 / 6
Number of Burners	#	2	2	2	4
Power Supply / Power		230V / 1,750	230V / 1,900	230V / 2,000	230V / 3250
Gross Weight	kg	361	366	409	1000
Dimension WxDxH	mm	775x1150x1552	775x1500x1552	775x1500x1552	1550x1500x1552

ProCon MCS		670 Hidro	740 Hidro	800 Hidro	850 Hidro
Nominal Heating Capacity	kW	25 - 630	20 - 700	25 - 750	30 - 800
Nominal Thermal Power (80/60C)	kW	24.45 - 617.5	19.52 - 686.2	24.45 - 735.5	29.39 - 784.9
Nominal Thermal Power (50/30C)	kW	26.63 - 671	21.3 - 745.5	26.63 - 798.8	31.95 - 852
NOx Class		5	5	5	5
Min/Max Working Pressure	Bar	1 / 6	1 / 6	1 / 6	1 / 6
Number of Burners	#	4	4	4	4
Power Supply / Power		230V / 3400	230V / 3400	230V / 3500	230V / 3750
Gross Weight	kg	1032	1044	1075	1085
Dimension WxDxH	mm	1550x1500x1552	1550x1500x1552	1550x1500x1552	1550x1500x1552

ProCon MCS		940 Hidro	1000 Hidro	1250 Hidro	1320 Hidro
Nominal Heating Capacity	kW	38 - 880	50 - 1000	25 - 1200	25 - 1250
Nominal Thermal Power (80/60C)	kW	37.3 - 864	49.1 - 982	19.52 - 1177.2	24.45 - 1226.5
Nominal Thermal Power (50/30C)	kW	40.47 - 937.2	53.25 - 1065	21.3 - 1278	26.63 - 1331.3
NOx Class		5	5	5	5
Min/Max Working Pressure	Bar	1 / 6	1 / 6	1 / 6	1 / 6
Number of Burners	#	4	4	6	6
Power Supply / Power		230V / 3900	230V / 4000	230V / 5400	230V / 5500
Gross Weight	kg	1117	1160	1624	1655
Dimension WxDxH	mm	1550x1500x1552	1550x1500x1552	2325x1500x1552	2325x1500x1552

ProCon MCS		1380 Hidro	1450 Hidro	1600 Hidro	1800 Hidro
Nominal Heating Capacity	kW	30 - 1300	38 - 1380	50 - 1500	20 - 1700
Nominal Thermal Power (80/60C)	kW	29.39 - 1275.9	37.3 - 1355	49.1 - 1473	19.52 - 1668.2
Nominal Thermal Power (50/30C)	kW	31.95 - 1384.5	40.47 - 1469.7	53.25 - 1597.5	21.3 - 1810.5
NOx Class		5	5	5	5
Min/Max Working Pressure	Bar	1 / 6	1 / 6	1 / 6	1 / 6
Number of Burners	#	6	6	6	8
Power Supply / Power		230V / 5750	230V / 5900	230V / 6000	230V / 7400
Gross Weight	kg	1665	1697	1740	2204
Dimension WxDxH	mm	2325x1500x1552	2325x1500x1552	2325x1500x1552	3100x1500x1552

ProCon MCS		1850 Hidro	1920 Hidro	2000 Hidro	2150 Hidro
Nominal Heating Capacity	kW	25 - 1750	30 - 1800	38 - 1880	50 - 2000
Nominal Thermal Power (80/60C)	kW	24.45 - 1717.5	29.39 - 1766.9	37.3 - 1846	49.1 - 1964
Nominal Thermal Power (50/30C)	kW	26.63 - 1863.8	31.95 - 1917	40.47 - 2002.2	53.25 - 2130
NOx Class		5	5	5	5
Min/Max Working Pressure	Bar	1 / 6	1 / 6	1 / 6	1 / 6
Number of Burners	#	8	8	8	8
Power Supply / Power		230V / 7500	230V / 7750	230V / 7900	230V / 8000
Gross Weight	kg	2235	2204	2277	2320
Dimension WxDxH	mm	3100x1500x1552	3100x1500x1552	3100x1500x1552	3100x1500x1552

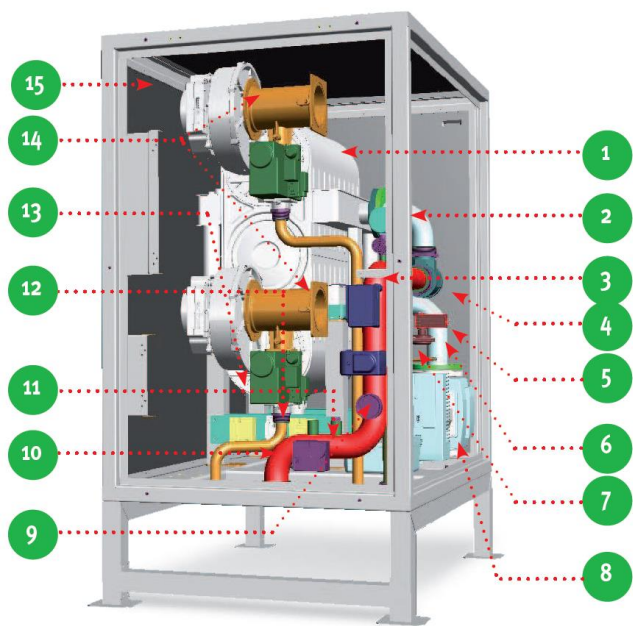
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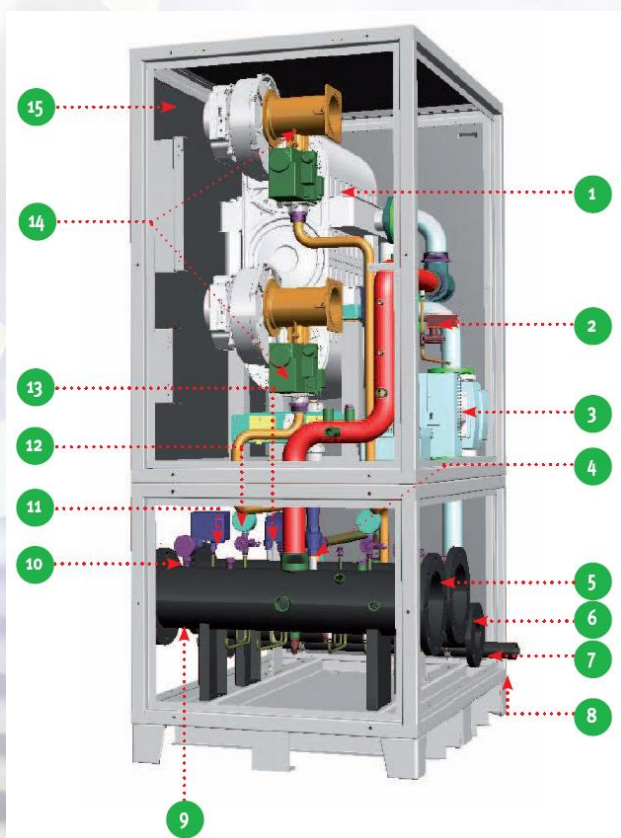
## Internal Design 319-535



### Legend

1	Stainless Steel Double Heat Exchanger
2	Manometer
3	Pressure Switch Maximum
4	Pump Differential Pressure Switch
5	Return Pipework
6	6bar Pressure Relief Valve.
7	Pressure Switch Minimum
8	High Head Pump
9	Thermometer
10	Flow Pipework
11	Limit Thermostat
12	Gas Pipework
13	Condensate Discharge Pipework
14	Low NOx Premix Burner
15	Weather Proof Casing.

## Internal Design 580-2150 (Hidro)



### Legend

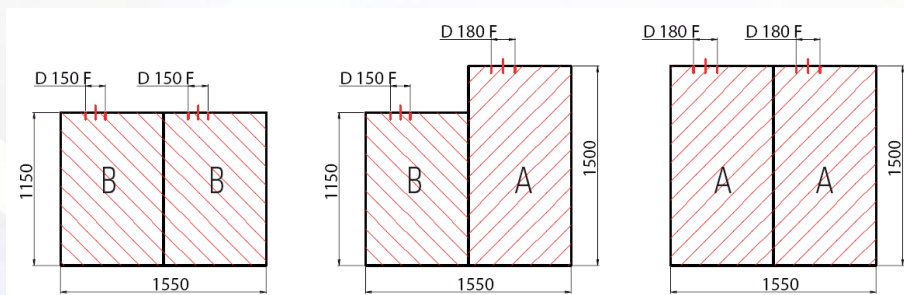
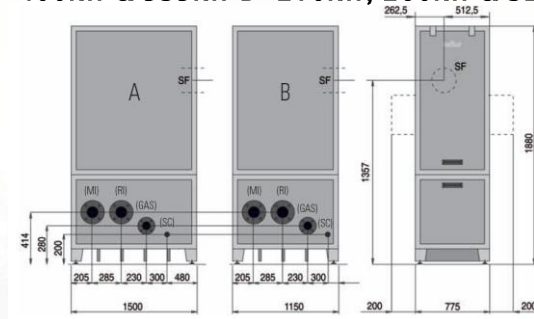
1	Stainless Steel Double Heat Exchanger
2	Pump Differential Pressure Switch
3	High Head Pump
4	6bar Pressure Relief Valve.
5	Common Flow Pipework DN150 PN6
6	Common Return Pipework DN150 PN6
7	Common Gas Pipework DN65 PN16
8	Common Condensate Discharge Pipework DN50
9	Limit Thermostat
10	Thermometer
11	Manometer
12	Pressure Switch Maximum
13	Pressure Switch Minimum
14	Low NOx Premix Burner
15	Weather Proof Casing.

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# ProCon MCS 319-2, 130kW Gas Condensing Range

## External Dimensions 580-2150 (Hidro)

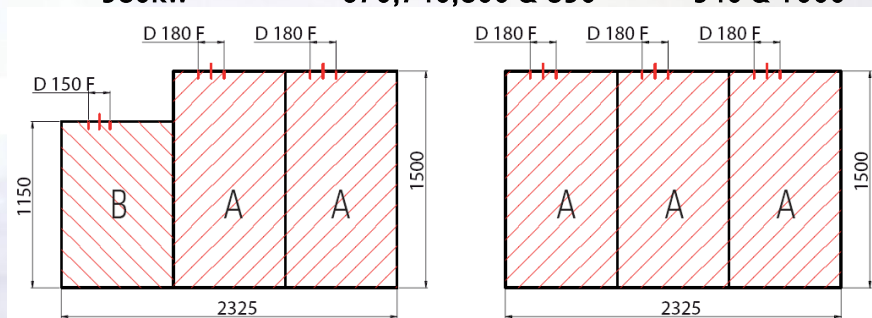
A=400kW & 535kW B=210kW, 260kW & 320kW



**580kW**

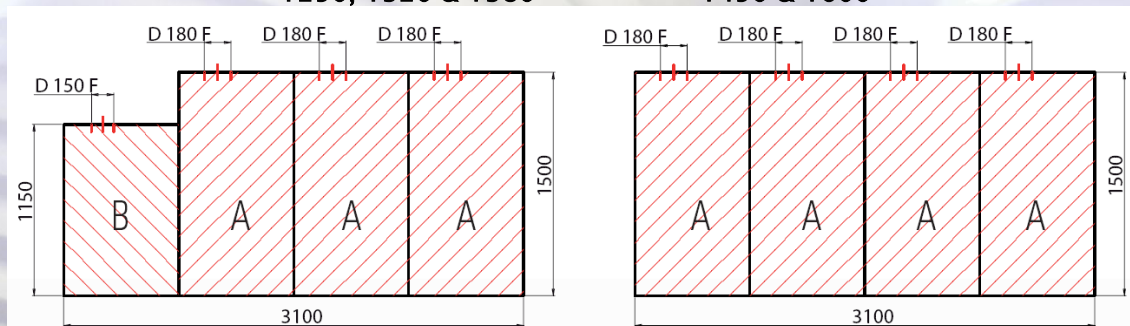
**670,740,800 & 850**

**940 & 1000**



**1250, 1320 & 1380**

**1450 & 1600**



**1800, 1850 & 1920**

**2000 & 2150**

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