

# Full & Part Load Efficiency + Seasonal Efficiency Data

This document has been prepared with reference to the Non Domestic Building Services Compliance Guide 2013 and The Building Regulations 2000, Approved Documents L2A and L2B 2013 Editions.

Boiler	Fuel	Max Output kW	Gross Seasonal Efficiency	Gross Efficiency @30%	Gross Efficiency @ 100%	New Building Utilisation	Existing Building Utilisation
ProCon 16 H	Nat Gas	16	96.02	98.02	87.48	Yes	Yes
ProCon 27 H & S	Nat Gas	27	95.89	97.93	87.21	Yes	Yes
ProCon 47 H & S	Nat Gas	47	95.71	97.75	87.03	Yes	Yes
ProCon 75/77 H & HM	Nat Gas	75	94.53	96.22	87.30	Yes	Yes
ProCon HT150	Nat Gas	155	95.97	98.20	86.48	Yes	Yes
ProCon HT 225	Nat Gas	225	95.96	98.37	85.67	Yes	Yes
ProCon MC115	Nat Gas	115	97.30	97.58	96.14	Yes	Yes
ProCon MCS 210	Nat Gas	213	95.88	96.11	94.92	Yes	Yes
ProCon MCS 260	Nat Gas	266	95.65	95.77	95.16	Yes	Yes
ProCon MCS 320	Nat Gas	319	95.49	95.56	95.18	Yes	Yes
ProCon MCS 400	Nat Gas	404	95.11	94.93	95.90	Yes	Yes
ProCon MCS 535	Nat Gas	532	95.34	95.22	95.88	Yes	Yes
ProCon 16 H	LPG	16	98.14	100.19	89.42	Yes	Yes
ProCon 27 H & S	LPG	27	98.02	100.10	89.14	Yes	Yes
ProCon 47 H & S	LPG	47	97.83	99.91	88.96	Yes	Yes
ProCon 75/77 H & HM	LPG	75	96.62	98.35	89.23	Yes	Yes
ProCon HT150	LPG	155	98.10	100.38	88.40	Yes	Yes
ProCon HT 225	LPG	225	98.09	100.56	87.57	Yes	Yes
ProCon MC115	LPG	115	97.82	97.72	98.27	Yes	Yes
ProCon MCS 210	LPG	213	96.37	96.22	97.03	Yes	Yes
ProCon MCS 260	LPG	266	96.13	95.87	97.28	Yes	Yes
ProCon MCS 320	LPG	319	95.97	95.66	97.29	Yes	Yes
ProCon MCS 400	LPG	404	95.58	95.01	98.03	Yes	Yes
ProCon MCS 535	LPG	532	95.82	95.31	98.01	Yes	Yes
EcoStar 515	Oil	15	91.66	91.71	90.10	Yes	Yes
EcoStar 518	Oil	18	91.81	91.92	90.10	Yes	Yes
EcoStar 522	Oil	22	91.95	92.11	90.07	Yes	Yes
EcoStar 527	Oil	27	92.08	92.29	90.04	Yes	Yes

A copy of the Non Domestic Building Services Compliance Guide can be obtained from;  
[http://www.planningportal.gov.uk/uploads/br/non\\_domestic\\_building\\_services\\_compliance\\_guide.pdf](http://www.planningportal.gov.uk/uploads/br/non_domestic_building_services_compliance_guide.pdf)

**Seasonal Boiler Efficiency** for single boilers and multiple boiler systems using identical boilers is calculated using the following formula:  $0.8130\% + 0.19100\%$   
 (Equation 2 in Compliance Guide)

Additional operational efficiencies can be achieved with the application of matched controls.

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