

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 E 26 H & S	Nat Gas	26	95.55	97.67	86.50	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 HT 150	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
Wallcon 115	Nat Gas	115	96.84	96.95	96.41	Yes	Yes
Wallcon 125	Nat Gas	125	97.52	98.39	93.79	Yes	Yes
Wallcon 160	Nat Gas	160	97.51	98.30	94.15	Yes	Yes
Ultrabox 210	Nat Gas	210	97.41	97.65	96.41	Yes	Yes
Ultrabox 250	Nat Gas	250	97.44	97.68	96.43	Yes	Yes
Ultrabox 310	Nat Gas	310	97.43	97.67	96.42	Yes	Yes
Ultrabox 420	Nat Gas	420	97.41	97.65	96.41	Yes	Yes
Ultrabox 465	Nat Gas	465	97.43	97.67	96.42	Yes	Yes
Ultrabox 510	Nat Gas	510	97.44	97.68	96.43	Yes	Yes
Ultrabox 570	Nat Gas	570	97.44	97.68	96.43	Yes	Yes
Ultrabox 630	Nat Gas	630	97.43	97.67	96.42	Yes	Yes
Ultrabox 765	Nat Gas	765	97.44	97.68	96.43	Yes	Yes
Ultrabox 945	Nat Gas	945	97.43	97.67	96.42	Yes	Yes
Ultrabox 1000	Nat Gas	1000	96.50	96.72	95.55	Yes	Yes
Ultrabox 1125	Nat Gas	1125	96.55	96.77	95.64	Yes	Yes
Superbox 160	Nat Gas	160	97.51	98.30	94.15	Yes	Yes
Superbox 265	Nat Gas	265	95.78	95.87	95.42	Yes	Yes
Superbox 530	Nat Gas	530	96.15	96.41	95.06	Yes	Yes
Superbox 1060	Nat Gas	1060	96.12	96.41	94.88	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

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

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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