

LIST OF APPLIANCE EFFICIENCIES

SECTION B1. OPEN FIRES-INSET-INCLUDING THOSE WITH UNDERFLOOR AIR SUPPLY ATTACHMENT

B.S. Minimum Efficiency Requirement: 37 %

Appliance	Efficiency %
Mean:	37.5

SECTION B2. OPEN FIRES--FREESTANDING CONVECTOR

B.S. Minimum Efficiency Requirement: 47 %

Appliance	Efficiency %
Rayburn Rembrandt, 400 and 450 mm	52.6
Acorn Fire Mk II	51.2
Dunsley Condor, 450 mm	48.1
Mean:	50.6

SECTION B3. OPEN FIRES - INSET

B.S. Minimum Efficiency Requirement: 37 %

Appliance	Efficiency %
Queen No. 57 Sunk Fire, 400 mm	38.1
Queen No. 57c Sunk Fire, 400 mm	37.9
Kingley Patent "Hole-in-the-Wall" Fire Mk 5, 450 mm	37.9
Dunsley (Underfloor) Controlled Draught Fire, 400 mm	37.8
Firemaster Superdraught De Luxe, 400 mm	37.4
Firex Fire, 400 mm and 450 mm	37.2
Bell Supaheat 4D, 450 mm	37.2
Baxi Burnall, 400 mm, 450 mm and 500 mm	36.7
Firemaster Superdraught De Luxe, 450mm	
Mean:	37.5

SECTION B4. OPEN FIRES - INSET CONVECTOR

B.S. Minimum Efficiency Requirement: 45 %

Appliance	Efficiency
Jetmaster Homemaker Model 3	46.8
Chelsea Conqueror	46.6
Jetmaster Homemaker Model 4	45.2
Mean:	46.2

SECTION C1. OPEN FIRES WITH BOILERS-INSET-INCLUDING THOSE WITH UNDERFLOOR AIR SUPPLY ATTACHMENT

B.S. Minimum Efficiency Requirement: 50 % (HBO) 45 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Atlas/Kwikglo, 400 mm with boiler flue set	57.5	53.5
Warmback Back Boiler Unit No. 2 with :- Queen Star Mk III, 400 mm	54.6	53.2
Queenette No. 56 Mk II, 400mm	54.6	53.2
Warmback Back Boiler Unit No. 1 with :- Queen Star, 400 mm (D.F.) Mk II	53.9	50.9
Sofono Full-View, 400 mm	53.9	50.9
Parkray '10' Open Fire Boiler with:- Parkray Drop Front, 400 mm	49.8	45.8
Parkray Paragon Luxury, 400 mm	49.8	45.8
Parkray Paramount, 400 mm	49.8	45.8
Queen No. 6c Self-Contained Boiler Unit with Queen No. 51c, 400 mm (D.F.) *	29.3	41.1
Queen No. 51c, 400 mm with special brick flue *	27.7	41.9
Queen Star, 400 mm (D.F.)	Pre 1959	Pre 1959
Queen Star, 400 mm (D.F.) Mk II	Pre 1959	Pre 1959
Queenette No. 56, 400 mm	Pre 1959	Pre 1959
Atlas, 400 mm	Pre 1959	Pre 1959
Mean: (Appliances marked * are not included in mean)	53.0	49.9

SECTION C3. OPEN FIRES WITH BOILERS - INSET - WITH UNDERFLOOR AIR SUPPLY AND DEEP ASHPIT

B.S. Minimum Efficiency Requirement: 50 % (HBO) 45 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Firex, 400, Instant Heat Boiler	59.6	47.8
Baxi Burnall, 400 and 450 mm	52.2	50.7
Queen 57 and 57c Sunk Fire, 400 mm	51.8	50.3
Firex 450 mm Instant Heat Boiler	51.5	47.9
Mean:	53.8	49.2

SECTION DI. OPEN FIRES WITH HIGH OUTPUT BACK BOILERS - INSET - INCLUDING THOSE WITH UNDERFLOOR AIR SUPPLY ATTACHMENT

B.S. Minimum Efficiency Requirement: 63 % (HBO) 55 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Parkray ' 24 ' Open Fire Boiler with Parkray Fan Fire	73.3	65.8
Parkray '24' Open Fire Boiler with: -		
Parkray 400 mm	73.1	58.3
Parkray Paragon Luxury, 400 mm	73.1	58.3
Parkray Paramount, 400 mm	73.1	58.3
Parkray Drop Front, 400 mm	73.0	59.6
Super Valiant with Parkray Fan Fire, 400mm	72.7	66.5
Super Valiant boiler with:		
Sofono Full View, 400 mm	71.1	57.5
Parkray 400 mm	71.1	57.5
Parkray Paragon Luxury, 400 mm	71.1	57.5
Tor-Rad Mk III Boiler Unit with Tor Drop Front Mk III 400 mm	70.8	59.7
Super Valiant with Sofono Full View,400 mm	70.8	61.6
Warmback Back Boiler Units : No.7 with Sofono Full-View, 450 mm	70.5	64.8
Dunsley Condor, 450 mm	69.6	65.9
Atlas Super Boiler with:-		
Atlas 450 mm	69.1	55.6
Atlas/Kwikglo, 450 mm	69.1	55.6
Firemaster Regal 1550 Canopy,400mm	69.0	61.4
Grahamston Single Flue with Queen Star Drop Front, 400 mm	68.9	62.4
Trianco Redfyre Hybac with Trianco Redfyre '55', 400 mm	68.8	60.2
Dunsley Flued Boiler with Dunsley Firefly 450 mm	68.8	61.7
Dunsley Flued Boiler with:-		
Dunsley Firefly, 400 mm	68.8	61.7
Dunsley Lofire Drop Front, 400 mm	68.8	61.7
Dunsley Super Flued Boiler with Dunsley Firefly, 450 mm	68.5	64.1
Dunsley Super Flued Boiler with:-		
Dunsley Firefly, 400 mm	68.5	64.1
Dunsley Lofire Drop Front, 400 mm	68.5	64.1
Tor-Rad Mk II Boiler Unit with Tor Drop Front Mk II, 400 mm	68.3	55.8
Dunsley Twin Boiler with Dunsley Firefly, 450 mm	68.3	62.0
Dunsley Twin Boiler with:-		
Dunsley Firefly, 400 mm	68.3	62.0
Dunsley Lofire Drop Front, 400 mm	68.3	62.0
Homer Boiler unit with Cokeglo, 400 mm	67.6	60.1
Firemaster ' 78 '	67.6	63.1
Valiant with Sofono Full-View, 400 mm	66.9	58.5
Warmback Back Boiler Unit: No. 4 with Sofono Full-View, 400 mm	66.7	68.6
Warmback Powerhouse with Queen Star Mk II Drop Front Fire, 400 mm	66.3	63.7
Valiant with Sofono Full-View, 400 mm	66.2	57.7
Super Valiant with Sofono Full-View, 450mm	66.2	63.1
Valiant 'S' Type with Parkray, 400mm	66.0	61.7
Atlas Super Boiler with:-		
Atlas, 400 mm	65.8	66.8
Atlas/Kwikglo, 400 mm	65.8	66.8
Firemaster High Output Boiler with Firemaster Regal, 450	65.5	59.8
Valiant with Sofono Full-View, 450mm	65.4	57.8
Parkray '24' Open Fire Boiler with:-		
Parkray Paragon Luxury, 450 mm	64.7	56.9

Parkray Paramount, 450 mm	64.7	56.9
Firemaster High Output Boiler with Firemaster D/Front Major, 400 mm	64.2	58.7
Unidare High Output Boiler with Queen Star Mk II Drop Front, 400 mm	63.9	56.8
Queen Star, 400 with Super Valiant Boiler	63.8	63.7
Trianco Redfyre 4A Boiler Unit with Trianco Redfyre '55', 400 mm	63.5	60.0
Warmback Back Boiler Unit No.6 with Queen Star Mk II D/F, 400 mm	62.9	55.8
Warmback Back Boiler Unit: No.5 with Sofono Full-View, 450 mm	62.5	62.1
Valiant 'S' Type with Sofono Full View,400mm	62.5	58.3
Queen Star No. 3 Large Back Boiler Unit, 400 mm	61.3	59.0
Homerette Back Boiler Unit with Cokeglo, 400 mm	60.8	61.1
Mean:	67.7	60.8

SECTION D2. OPEN FIRES WITH HIGH OUTPUT BACK BOILERS - INSET - WITH UNDERFLOOR AIR SUPPLY AND DEEP ASHPIT

B.S. Minimum Efficiency Requirement: 63 % (HBO) 55 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Dunsley with Baxi Burnall, 600 mm	75.4	56.8
Super Valiant with Queen No. 57c Sunk Fire, 400mm	74.7	61.3
Dunsley with Baxi Burnall, 400 mm	72.8	57.5
Dunsley with Baxi Burnall, 450 mm	72.5	63.4
Firemaster Superdraught De-Luxe, 400 mm	71.1	64.9
Dunsley Super Flued Boiler, 400 mm	68.5	64.1
Firex, 400 mm and Super Boiler	67.7	56.8
Dunsley Flued Boiler, 400 mm	67.2	59.8
Firemaster HO Boiler with Firemaster Superdraught De-Luxe, 450 mm	64.8	59.4
Firex, 450 mm and Super Boiler	63.8	52.4
Mean:	69.9	59.6

SECTION D3. OPEN FIRES WITH HIGH OUTPUT BACK BOILERS - INSET - WITH RECTANGULAR FIREBOXES

B.S. Minimum Efficiency Requirement: 63 % (HBO) 55 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Hydrograte Triple Pass with Queen Star, 400mm	80.9	66.6
Firebird Super, with Firemaster Major, 400mm	79.1	63.3
Esse Bramble '30', 400 mm	76.7	61.6
Parkray '29' Series, 400 mm	76.2	64.3
Dunsley Enterprise, 400 mm	75.4	65.1
Trianco Trend, 400 mm	75.3	56.1
Dunsley Enterprise, 450 mm	73.2	63.0
Hydrograte Twin Flued with Queen Star, 450 mm	73.0	65.1
Hydrograte Twin Flued with Queen Vesta, 400 mm	72.1	63.5
Beacon Hydrograte with Beacon Countess, Imperial or Royal, 400 mm	71.7	61.5
Hydrograte Twin Flued with Queen Star, 400 mm	71.4	56.1
Dunsley Endeavour, 400 mm	70.3	63.6
Beacon Hydrograte with Beacon Imperial or Royal, 450 mm	70.3	62.3
Warmflow Twin Flued with Firemaster Drop Front Major, 400 mm	62.5	58.6
Adlington Moorheat, 400mm	72.1	61.4
Parkray '30' Series with Zephyr fan assisted fire, 400mm	70.6	58.5
Mean:	73.2	61.9

SECTION D4. OPEN FIRES WITH HIGH OUTPUT BACK BOILERS - INSET - WITH RECTANGULAR FIREBOXES**Tested with Smokeless Fuels**

B.S. Minimum Efficiency Requirement: 65 % (HBO) 55 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Hydrograte Triple Pass with Queen Star Drop Front, 450 mm	77.5	62.6
Tor-Rad Mk IV Boiler Unit with Tor Drop Front Mk II	75.7	61.6
Trianco Trend, 400 mm	75.3	56.1
Parkray '29' Series, 400 mm	72.4	64.4
Warmback Phoenix with Queen Star Drop Front, 400 mm	70.1	59.4
Rayburn '31' with Sofono Full-View, 400 mm	69.2	60.2
Rayburn '31' with Tudor, 400 mm	69.1	60.3
Firemaster Coalburn '31', 400 mm	67.3	62.9
Dunsley Coalflame, 400mm	70.5	61.4
Dunsley Enterprise Superclean, 400mm	78.3	61.5
Gerkros Easy Clean 84 with Shamrock Drop Front, 400mm	70.2	59.6
Hydrograte Triple Pass Easyclean with Queen Star DF, 400mm		
Hydrograte Triple Pass Easyclean with Queen Classic, 450mm	71.6	57.0
Parkray '30' Series, 400mm	75.4	56.8
Stanley Heatpak with Stanley DF,400mm	71.4	59.2
Dunsley Enterprise Mk2 Superclean, 400mm	73.8	56.5
Dunsley Enterprise Mk2 Superclean, 450mm	70.4	60.1
Hydrograte Twin Pass Easy Clean with Queen Star DF, 400mm	73.5	58.3
Firebird Supreme with Firemaster Firestar, 400mm	67.9	58.8
Meratt Ultra Clean	76.3	67.9
Turco Boiler with Rayburn Tudor, 400mm	70.6	56.1
Moorheat EC400mm	72.1	61.4
Mean:	72.3	60.1

SECTION D4. OPEN FIRES WITH HIGH OUTPUT BACK BOILERS - INSET - WITH RECTANGULAR FIREBOXES

Tested With Bituminous Coal

B.S. Minimum Efficiency Requirement: 54 % (HBO) 40 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Hydrograte Triple Pass with Queen Star Drop Front, 450 mm	59.1	46.9
Rayburn '31' with Tudor, 400 mm	57.6	43.5
Parkray '29' Series, 400 mm	57.3	49.4
Rayburn '31' with Sofono Full-View, 400 mm	56.3	45.8
Warmback Phoenix with Queen Star Drop Front, 400 mm	55.3	44.7
Trianco Trend, 400 mm	55.2	48.1
Firemaster Coalburn '31', 400 mm	55.1	42.3
Tor-Rad Mk IV Boiler Unit with Tor Drop Front Mk II, 400 mm	54.4	43.2
Dunsley Coalflame, 400mm	56.2	45.1
Dunsley Enterprise Superclean, 400mm	62.8	47.0
Gerkros Easy Clean 84 with Shamrock Drop Front, 400mm	60.1	45.6
Hydrograte Triple Pass Easyclean with Queen Star DF, 400mm		
Hydrograte Triple Pass Easyclean with Queen Classic, 450mm	62.1	44.2
Parkray '30' Series, 400mm	55.4	41.0
Stanley Heatpak with Stanley DF,400mm	58.7	45.2
Dunsley Enterprise Mk2 Superclean, 400mm	68.9	43.5
Dunsley Enterprise Mk2 Superclean, 450mm	64.4	42.6
Hydrograte Twin Pass Easy Clean with Queen Star DF, 400mm	55.8	42.0
Firebird Supreme with Firemaster Firestar, 400mm	56.5	43.6
Meratt Ultra Clean	58.0	52.4
Turco Boiler with Rayburn Tudor, 400mm	58.6	46.9
Moorheat EC400mm	62.5	50.2
Mean:	58.6	45.4

SECTION D5. OPEN FIRES WITH HIGH OUTPUT BACK BOILERS -FREESTANDING CONVECTOR

Tested with Smokeless Fuels

B.S. Minimum Efficiency Requirement: 65 % (HBO) 60 % (HRO)

Appliance	Damper Open HBO Efficiency %	Damper Closed HRO Efficiency %
Rayburn Rembrandt 'C'	69.3	65.2
Mean:	69.3	65.2

Tested with Bituminous Coal

B.S. Minimum Efficiency Requirement: 56 % (HBO) 42 % (HRO)

Rayburn Rembrandt 'C'	58.3	45.2
Mean:	58.3	45.2

SECTION E. ROOMHEATERS WITHOUT BOILERS

B.S. Minimum Efficiency Requirement: 65

Appliance	Efficiency %
Godin 3712	80.2
Jotul 507	75.6
Parkray Consort 36	72.6
Chappee 8033	72.0
Severn	71.8
Esse Bontesse No. 1	70.7
Hunter Midi 14 Mk II	70.4
Esse Courtier 6R	69.9
Parkray Consort 33	68.9
Hunter Midi 8 Mk II	68.3
Queen Heater No. 1A	68.2
Esse Courtier LO	67.4
Studio Stove (Open Fire)	67.3
Queen Heater No. 2	66.4
Esse Elite 0	65.6
Esse Dolphin	63.1
Esse Dragon Mk II	63.1
Torglow 2C	61.0
Parkray Chiltern 36	67.3
Parkray Classic	68.7
Mean:	68.9

SECTION FI. ROOMHEATERS WITH BOILERS

B.S. Minimum Efficiency Requirement: 67 %

Appliance	Efficiency %
Portway "Visible Fire" Brick Centre Unit.	83.5
Gaelwood Conserva. Mk II Brick Central Unit.	78.4
Parkray Everglow	77.4
Portway "Non-Visible Fire" Brick Central Unit.	77.3
Esse Bontesse No. 4	77.3
Trianco Redfyre: TRH 45 Mk II	77.2
Much Wenlock (Rear flue outlet)	77.1
Esse Bontesse No. 3	76.3
Charwood CW 50B	75.6
Trianco Redfyre: TRH 25 Mk 11	75.3
Esse Elite Series: 3	75.3
Esse Courtier LO	75.1
Davey Sapphire	75.0
Studio Stove (Open Fire) No. 2B	74.5
Rayburn 80 Series: 80-23	74.4
Heritage Series: Georgian 23	74.4
Torglow 2C: Rear flue outlet model	74.3
Parkray Consort & Caprice Series: 88 (Damper Open)	74.3
Parkray G Series: 99G (Damper Open)	74.1
Rayburn 80 Series: 80-30	73.9
Heritage Series: Georgian 30	73.9
Esse Elite Series: 4	73.9
Esse Bontesse No. 2	73.9
Torglow 2C: Top flue outlet model	73.7
Rayburn 80 Series: 80-39	73.7
Heritage Series: Georgian 39	73.7
Parkray Consort & Caprice Series: 88 (Damper Closed)	73.5
Parkray Consort & Caprice Series: 99 (Damper Open)	73.3
Rayburn 70C Mk II	73.2
Parkray G Series: 88G (Damper Open)	72.6
Trianco Redfyre Housemaster	72.5
Trianco Redfyre TRH Convactor 40	72.5
Hunter Midi 14 Mk II	72.4
Parkray G Series: 88G (Damper Closed)	72.0
Rayburn 70B Mk II	71.7
Much Wenlock (Top flue outlet)	71.3
Hunter Midi 8 Mk II	71.2
Parkray Consort & Caprice Series: 99 (Damper Closed)	71.1
Esse Elite Series: 1	71.0
Senator Mk II	70.7
Parkray G Series: 99G (Damper Closed)	70.7
Esse Elite Series: 2	70.5
Rayburn Coalglo C-30	70.3
Parkray Consort & Caprice Series: 65	70.3
Woodmann Knight: Rear flue outlet model	70.2
Parkray Consort & Caprice Series; 77 (Damper Closed)	70.2
Parkray Consort & Caprice Series; 77 (Damper Open)	69.9

Trianco Redfyre Slimline Tallboy	69.6
Woodmann Knight: Top flue outlet model	69.4
Trianco Redfyre TRH Mk II Series: TRH 35 Mk II	69.4
Queen Heater No. 2	68.9
Esse Bontesse No. 4 (Top flue outlet)	68.4
Parkray G Series: III G Mk II	68.0
Worcester Centair 40	67.9
Parkray Consort & Caprice Series: 111	67.5
Parkray Consort & Caprice Series: 66	67.4
Parkray Coalmaster II	67.3
Torglow 2C (Top flue outlet)	67.2
Esse Courtier 6R	67.1
Esse Dolphin	66.1
Esse Dragon Mk II	66.1
Charnwood CW 40B (rear flue outlet)	71.4
Charnwood CW 50iB	71.5
Hunter Midi 20W MkII (rear flue outlet)	73.4
Hunter Midi 14W MkIII (rear flue outlet)	75.4
Parkray Consort & Caprice Series : 77 (damper closed)	70.2
Parkray Consort & Caprice Series : 77 (damper open)	69.9
Rayburn 70C MkII	73.2
Severn (top or rear outlet)	73.4
Trianco International: Rear Flue Outlet Model	74.3
Trianco International: Top Flue Outlet Model	73.7
Trianc TRH Convactor 30	72.5
Trianc TRH Convactor 40	72.5
Uniglow MkII	71.6
Charnwood CW 45iB	67.9
Hunter Stratford	68.4
Parkray Chiltern 66	72.1
Parkray Chiltern 111	67.6
Parkray Classic Range : 66	68.4
Parkray Classic Range : 77 (damper closed)	70.4
Parkray Classic Range : 77 (damper open)	70.2
Parkray Classic Range : 88 (damper closed)	73.5
Parkray Classic Range : 88 (damper open)	74.8
Parkray Classic Range : 99 (damper closed)	71.2
Parkray Classic Range : 99 (damper open)	74.2
Parkray Classic Range : 111	67.7
Trianco TRH 50	69.7

Mean	72.1
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SECTION F2. OPEN ROOMHEATERS WITH BOILERS

B.S. Minimum Efficiency Requirement: 47 % (open) 55 % (closed)

Appliance	Efficiency %
Rayburn Prince 76	49.6
Mean	49.6

SECTION G. COOKERS--FREESTANDING

SECTION G2 (Non-independent Oven and Boiler Heating)

B.S. Minimum Efficiency Requirement: 50 %

Appliance	Boiler Efficiency %
Esse Columbian	69.7
Stanley Super 80 & Stanley Super De Luxe	54.9
Stanley Superette 80 and Stanley De Luxe	54.2
Rayburn MF	53.6
Aga Model CB	No info available
Esse Doric	"
Esse Improved Doric	"
Hunter	"
Rayburn Regent	"
Rayburn Royal	"
	-
Mean:	58.1

SECTION G3 (Independent Oven and Boiler Heating)

B.S. Minimum Efficiency Requirement: 60 %

Appliance	Boiler Efficiency %
Rayburn Supreme	66.5
Firecast Duet	68.9
Wamsler K97	68.4
Mean:	67.9

SECTION J1. INDEPENDENT BOILERS--WITHOUT THERMOSTAT

B.S. Minimum Efficiency Requirement: 65 %

Appliance	Efficiency %	
Ideal Rondo (Closed Fire)	66.2	
Ideal O-DE (Open Fire)	72.3	(55.0 + 17.3 Space)
Parkray DHW12	69.1	
Mean:	69.2	

SECTION J2. INDEPENDENT BOILERS-WITH THERMOSTAT

B.S. Minimum Efficiency Requirement: 65 %

Appliance	Efficiency %
Ideal Rondomatic	77.3
Trianco Coal King	66.1
Trianco KB30	65.6
Rayburn SF12/27	65.6
Coalstream	69.1
Bigwood Heat House 100	69.1
Bigwood Heat House 155	73.5
Hughes Edwards 65	67.0
Triancomatic 45	70.2
Triancomatic 60	68.4
Triancomatic 90	74.7
Triancomatic 140	70.8
Windhager KSN20	71.2
Bigwood Unicalor 25	71.0
Hughes Edwards 45	67.4
Agamatic C	Pre 1959
Mean:	69.8

SECTION J3. INDEPENDENT BOILERS-SECTIONAL WITH OR WITHOUT THERMOSTAT

B.S. Minimum Efficiency Requirement: 65 %

Appliance	Efficiency %
Ideal Marquis Series: M245	72.1
Ideal Marquis Series: M265	68.8
White Rose Series: H4	Pre 1959
White Rose Series: H5	Pre 1959
Mean:	70.5

SECTION J4. INDEPENDENT BOILERS--GRAVITY FEED WITH THERMOSTAT

B.S. Minimum Efficiency Requirement: 70 % (output up to 20.5 kW)

Appliance	Efficiency %
Hoppamat 30	82.1
Janitor A45	79.0
Janitor A65	74.6
Hoppamat 45	72.6
Trianco Redfyre: TRG 60	72.6
Trianco Redfyre: TRG 45	72.5
Hoppamat 60	72.0
Mean:	75.0

B.S. Minimum Efficiency Requirement: 75 % (output above 20.5 kW)

Appliance	Efficiency %
Hoppamat 90	80.6
Trianco Redfyre: TRG 150	78.6
Trianco Redfyre: TRG 125	77.0
Trianco Redfyre: TRG 80	75.6
Trianco Redfyre: TRG 100	75.5
Mean:	77.4

LIST OF APPLIANCES WITHOUT EFFICIENCY VALUE

The appliances listed below were not included in the HETAS Ltd List of Appliance Efficiencies above. For those appliances where efficiency values are now available the values are given in the table below

NOTE: Appliances marked with an asterix (*) in the “Section” column are no longer in the HETAS List and may no longer be in production

Manufacturer	Appliance	Section	Report No.	Efficiency %
A J Wells	Charnwood CW40B Free (rear)	F1 *	2235	77.8
	Charnwood CW50B Free (rear)	F1 *	2218	75.6
	Charnwood CW45iB	F1 *	2265	67.9
	Charnwood CW50iB	F1 *	2240	71.5
	Charnwood DX45iB	F1 *	2302	67.9
	Charnwood DX50iB	F1 *	2302	71.5
Aga-Rayburn	Rayburn 212S (Royal)	G1	Pre 1969	
Dunsley Heat	Dunsley Boiler + Baxi Burnall 400	D2 *	2185	
	Dunsley Boiler + Baxi Burnall 450	D2 *	1032	HBO 72.5 HRO 63.4
	Dunsley Boiler + Baxi Burnall 500	D2 *	1047	HBO 71.8 HRO 58.8
	Dunsley Boiler + Baxi Burnall 550	D2 *	1049	HBO 69.1 HRO 56.9
	Dunsley Boiler + Baxi Burnall 600	D2 *	1041	
Ouzledale	Firemaster HO Boiler + DF Major 400mm	D1 *	455/2119	
	Firemaster HO Boiler + Regal 450mm	D1 *	2124/2119	
	Esse Bramble '30' 400mm	D3 *	1029	HBO 76.7 HRO 61.6
	Firemaster Twin Flued + Regal 400mm	D3 *	1037	HBO 70.3
	Firemaster Coalburn '31' 400mm	D4 *		
Vermont	Intrepid II Wood Stove	E *	2297	* See Below
	Defiant Encore Wood Stove	E *	2298	
BCC	Cosyhome Anthracite Boiler	J2 *	2304	67.9
WFE (Merratt) Ltd	Merratt Ultra Clean + Firemaster Firestar 400mm	D4 *	2278	\$ See Below
Turkington Engineering	Turco Tahiti Boiler + Firemaster Firestar 400mm	D3 *		
	Turco Boiler + Firemaster Firestar 400mm	D4 *	2305	HBO 76.3 HRO 55.7
Aarrow Fires	Aarrow Stratford SM40 Inset	F1 *	2317	70.0
	Aarrow Stratford SM50 Free	F1 *	2314	70.4
Jetmaster	Homemaker Model 5 Convector Open Fire	B4 *		
Waterford Stanley	Stanley Superstar 2000 Cooker	G3 *	2277	76.5
Trianco	Thorncliffe 25	F1 *	1024	
	Thorncliffe 35	F1 *		
	Thorncliffe 45	F1 *	1025	
	Thorncliffe Convector 30	F1 *	1053	72.5
	Thorncliffe Convector 40	F1 *	1039	72.5
* The Vermont wood stoves were tested to BS 7256 and no efficiency was determined				
\$ Merratt Ultra Clean – Smokeless Fuel HBO 76.3% HRO 67.9% - Bituminous Coal HBO 58.0% HRO 52.4%				