

# The EcoForce™ range

high efficiency gas fired condensing Water Heaters  
Flue Specifications

## Models:

EF+ 35/150+  
EF+ 35/230+  
EF+ 55/230+

EF80  
EF100  
EF120  
EF150  
EF180





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**FLUE SPECIFICATION**  
**HORIZONTAL CONCENTRIC BALANCED FLUE**

**ECOFORCE™ MODELS**

**EF+35/150+, EF+35/230+, EF+55/230+**

**PART NO: EFHF001 - HORIZONTAL FLUE KIT**

EF+35/150+ and EF+35/230+ Maximum Equivalent Flue Length = 44 Metres  
EF+55/230+ Maximum Equivalent Flue Length = 21 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

**Each Horizontal Flue Kit Includes all items marked as Std Spec**

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M84460	Elbow PP 80/125 90°	1
M86934	Wall Terminal 80/125	1
M84455	Extension – 80/125 x 500mm	1
M84452	Extension – 80/125 x 1000mm	
M84461	Elbow PP 80/125 45°	
M84481	Wall Clamp 125mm	
M84472	Condensate Drain PP 80/125	

**FLUE SPECIFICATION**  
**HORIZONTAL CONCENTRIC BALANCED FLUE**

ECOFORCE™ MODELS

**EF80 (80/125 Flue System)**

**PART NO: EFHF002 - HORIZONTAL FLUE KIT**

Maximum Equivalent Flue Length = 17 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

Each Horizontal Flue Kit Includes all items marked as Std Spec

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M84460	Elbow PP 80/125 90°	1
M86934	Wall Terminal 80/125	1
M84452	Extension – 80/125 x 1000mm	
M84455	Extension – 80/125 x 500mm	
M84461	Elbow PP 80/125 45°	
M84481	Wall Clamp 125mm	
M84472	Condensate Drain PP 80/125	

**FLUE SPECIFICATION**  
**HORIZONTAL CONCENTRIC BALANCED FLUE**

ECOFORCE™ MODELS

**EF80 (100/150 Flue System)**

**PART NO: EFHF003 - HORIZONTAL FLUE KIT**

Maximum Equivalent Flue Length = 53 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

Each Horizontal Flue Kit Includes all items marked as Std Spec

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M86996	Wall Terminal 100/150	1
M84475	Expander 80/125 – 100/150	1
M84412	Elbow PP 100/150 90°	1
M84402	Extension – 100/150 x 1000mm	
M84405	Extension – 100/150 x 500mm	
M84413	Elbow PP 100/150 45°	
M84331	Wall Clamp 150mm	
M84422	Condensate Drain PP 100/150	

**FLUE SPECIFICATION**  
**HORIZONTAL CONCENTRIC BALANCED FLUE**

**ECOFORCE™ MODELS**

**EF100, EF120, (100/150 Flue System)**

**PART NO: EFHF004 - HORIZONTAL FLUE KIT**

EF100 Maximum Equivalent Flue Length = 47 Metres  
EF120 Maximum Equivalent Flue Length = 28 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

**Each Horizontal Flue Kit Includes all items marked as Std Spec**

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M86996	Wall Terminal 100/150	1
M84412	Elbow PP 100/150 90°	1
M84402	Extension – 100/150 x 1000mm	
M84405	Extension – 100/150 x 500mm	
M84413	Elbow PP 100/150 45°	
M84331	Wall Clamp 150mm	
M84422	Condensate Drain PP 100/150	

**FLUE SPECIFICATION**  
**HORIZONTAL CONCENTRIC BALANCED FLUE**

ECOFORCE™ MODELS

**EF150, EF180 (100/150 Flue System)**

**PART NO: EFHF005 - HORIZONTAL FLUE KIT**

EF150 Maximum Equivalent Flue Length = 20 Metres  
EF180 Maximum Equivalent Flue Length = 13 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

**Each Horizontal Flue Kit Includes all items marked as Std Spec**

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
E61-001-172	Concentric Conversion Kit	1
M86996	Wall Terminal 100/150	1
M84412	Elbow PP 100/150 90°	1
M84402	Extension – 100/150 x 1000mm	
M84405	Extension – 100/150 x 500mm	
M84413	Elbow PP 100/150 45°	
M84331	Wall Clamp 150mm	
M84422	Condensate Drain PP 100/150	



**FLUE SPECIFICATION  
VERTICAL CONCENTRIC BALANCED FLUE**

**ECOFORCE™ MODELS**

**EF+35/150+, EF+35/230+, EF+55/230+**

**PART NO: EFVF001 - VERTICAL FLUE KIT**

EF+35/150+ and EF+35/230+ Maximum Equivalent Flue Length = 44 Metres  
EF+55/230+ Maximum Equivalent Flue Length = 21 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

**Each Vertical Flue Kit Includes all items marked as Std Spec**

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M86864	Roof Terminal 80/125	1
M84455	Extension – 80/125 x 500mm	2
M84452	Extension – 80/125 x 1000mm	
M84460	Elbow PP 80/125 90°	
M84461	Elbow PP 80/125 45°	
M84481	Wall Clamp 125mm	
M84472	Condensate Drain PP 80/125	
M87376	80/125 Flat Roof Flashing	
M87909	80/125 Universal Roof Tile	

**FLUE SPECIFICATION  
VERTICAL CONCENTRIC BALANCED FLUE**

**ECOFORCE™ MODELS**

**EF80 (80/125 Flue System)**

**PART NO: EFVF002 - VERTICAL FLUE KIT**

Maximum Equivalent Flue Length = 17 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

Each Vertical Flue Kit Includes all items marked as Std Spec

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M86864	Roof Terminal 80/125	1
M84455	Extension – 80/125 x 500mm	1
M84452	Extension – 80/125 x 1000mm	
M84460	Elbow PP 80/125 90°	
M84461	Elbow PP 80/125 45°	
M84481	Wall Clamp 125mm	
M84472	Condensate Drain PP 80/125	
M87376	80/125 Flat Roof Flashing	
M87909	80/125 Universal Roof Tile	

**FLUE SPECIFICATION  
VERTICAL CONCENTRIC BALANCED FLUE**

ECOFORCE™ MODELS

**EF80 (100/150 Flue System)**

**PART NO: EFVF003 - VERTICAL FLUE KIT**

Maximum Equivalent Flue Length = 53 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

Each Vertical Flue Kit Includes all items marked as Std Spec

<b>Part No</b>	<b>Description</b>	<b>Std Spec</b>
M84862	Roof Terminal 100/150	1
M84475	Expander 80/125 – 100/150	1
M84405	Extension – 100/150 x 500mm	1
M84402	Extension – 100/150 x 1000mm	
M84412	Elbow PP 100/150 90°	
M84413	Elbow PP 100/150 45°	
M84331	Wall Clamp 150mm	
M84422	Condensate Drain PP 100/150	
M87376	80/125 Flat Roof Flashing	
M87909	80/125 Universal Roof Tile	

**FLUE SPECIFICATION**  
**VERTICAL CONCENTRIC BALANCED FLUE**

ECOFORCE™ MODELS

**EF100, EF120, (100/150 Flue System)**

**PART NO: EFVF004 - VERTICAL FLUE KIT**

EF100 Maximum Equivalent Flue Length = 47 Metres  
 EF120 Maximum Equivalent Flue Length = 28 Metres

Deduct 1.0 metre for each 90° Bend  
 Deduct 0.5 metre for each 45° Bend

Each Vertical Flue Kit Includes all items marked as Std Spec

Part No	Description	Std Spec
M84862	Roof Terminal 100/150	1
M84405	Extension – 100/150 x 500mm	1
M84402	Extension – 100/150 x 1000mm	
M84412	Elbow PP 100/150 90°	
M84413	Elbow PP 100/150 45°	
M84331	Wall Clamp 150mm	
M84422	Condensate Drain PP 100/150	
M87376	80/125 Flat Roof Flashing	
M87909	80/125 Universal Roof Tile	

**FLUE SPECIFICATION  
VERTICAL CONCENTRIC BALANCED FLUE**

**ECOFORCE™ MODELS**

**EF150, EF180, (100/150 Flue System)**

**PART NO: EFVF005 - VERTICAL FLUE KIT**

EF100 Maximum Equivalent Flue Length = 20 Metres  
EF120 Maximum Equivalent Flue Length = 13 Metres

Deduct 1.0 metre for each 90° Bend  
Deduct 0.5 metre for each 45° Bend

**Each Vertical Flue Kit Includes all items marked as Std Spec**

Part No	Description	Std Spec
E61-001-172	Concentric Conversion Kit	1
M84862	Roof Terminal 100/150	1
M84405	Extension – 100/150 x 500mm	1
M84402	Extension – 100/150 x 1000mm	
M84412	Elbow PP 100/150 90°	
M84413	Elbow PP 100/150 45°	
M84331	Wall Clamp 150mm	
M84422	Condensate Drain PP 100/150	
M87376	80/125 Flat Roof Flashing	
M87909	80/125 Universal Roof Tile	







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