

The EcoForce™ range

High Efficiency Gas Fired Condensing Water Heaters
Flueing 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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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

Part No	Description	Std Spec
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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