

rangeguide



Commercial & Industrial Boilers
& Radiators

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S RADIATORS
Stelrad
ENGINEERING EXCELLENCE

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Ideal Boilers

Ideal Boilers is one of the most respected names in the UK Commercial and Domestic heating industry. We design and develop ranges to suit the ever changing UK marketplace. With the market's continued move towards condensing products, Ideal launched the **imax** condensing range. The recent addition of the **imax xtra** maintains Ideal's position as the market leading supplier in the Commercial and Industrial boiler sector.

The Commercial Heating Team

As industry leaders Ideal Boilers and Stelrad Radiators are committed to ensuring that all products are engineered to the highest standards. To support our products we have a comprehensive service department who can supply you with in-depth product knowledge and system advice which will ensure that your heating will run efficiently and will increase the lifespan of our products.



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Website

Our newly designed website contains useful information including details of training courses, product information and literature, merchant stockists, a background to Part L2, contact information and many more features.

You will find the website located at:

www.idealcommercialboilers.com



condensing

icos HE 30 + 36kW

- Wall mounted
- Robust cast aluminium heat exchanger
- Compact
- Easy to install and service
- Modulating output down to 10.4kW
- Wide range of flue options
- Optional remotely mountable user controls



General Data icos HE (30 + 36)

Model	30	36	
Boiler Output (condensing) 50/30°C	11.4 - 32.8	11.4 - 39.8	
Boiler Output (non-condensing) 80/60°C	10.4 - 30.1	10.4 - 37.0	
Height	645		
Width	450		
Depth	410		
Flow/Return Connections (mm)	28		
Gas Inlet (BSP)	RC ¹ / ₂ "		
Flue Size (mm)	Concentric	60/100	60/100
	Twin Pipe	80/80	80/80
Maximum Working Pressure (bar)	3		
Water Content (L)	4.7	4.7	
Approx Dry Weight (kg)	52.6	52.6	
Boiler Clearances	Top (mm)	165	
	Below (mm)	150	
	Left (mm)	15	
	Right (mm)	15	
	Front (mm)	450	
Condensate Drain (mm)	21.5		

Option Kits

Boiler	icos HE 30 + 36	
Remote user control kit	✓	Syphon kit ✓
Stand off kit	✓	Condensate pump kit ✓

imax W 45 - 80kW

- Natural gas and propane
- Single unit or modular configuration, wall or frame mounted
- Robust cast aluminium heat exchanger
- Easy to install and service
- Simple UK voltage system controls wiring
- Modulating output down to 13kW
- Wide range of flue options



General Data imax W (45 - 80)

Model	W45	W45P	W60	W60P	W80	W80P
Boiler output (condensing) 50/30°C	13.9 - 46.9	13.7 - 45.9	13.9 - 62.3	13.6 - 60.6	21.3 - 82.7	20.7 - 80.0
Boiler output (non-condensing) 80/60°C	12.6 - 43.7		12.6 - 58.9		19.5 - 78.2	
Height	900					
Width	540	540	540	540	650	650
Depth	500					
Flow/Return Connections (BSP)	R1 ¹ / ₄					
Gas Inlet (mm)	22					
Flue Size (mm)	80/125 & 100/150		80/125 & 100/150		100/150	
Maximum Working Pressure (bar)	4					
Water Content (L)	8	8	8	8	10	10
Approx Dry Weight (kg)	87	87	88	88	101	101
Boiler Clearances	Top (mm)	dependant on flue				
	Below (mm)	300				
	Left (mm)	50				
	Right (mm)	50				

Option Kits

Boiler	imax W	Remote indication kit	✓
Modulating sequencer kit	✓	Hours run meter(s)	*
Programmable room thermostat kit	✓	BMS (0-10V) kit	✓
Control interface kit	✓	Pump kit	✓
Outside sensor kit	✓	Multi boiler frame and header kits	✓
Tank sensor kit	✓	*Provided as standard	

condensing

imax plus II 90 - 310kW

- Range of six models
- Compact size - small footprint
- High modulation - Close load matching (all models down to 11.6kW)
- 108.4% Net efficiency (fully condensing) at 30% part load
- Boilers consist of several modules giving built-in standby capability
- Robust cast aluminium heat exchanger
- Integral commissioning and fault diagnostics
- Optional flue and system connections for fast installations
- Meets Building Regulations 2006 (Part L2)



General Data **i**max plus II (90 - 310)

Model	F90	F140	F180	F220	F270	F310
Boiler output (condensing) 50/30°C	12.5 - 92.6	12.5 - 136.8	12.5 - 179.3	12.5 - 228.6	12.5 - 280.7	12.5 - 321.5
Boiler output (non-condensing) 80/60°C	11.2 - 89.5	11.2 - 132.2	11.2 - 173.4	11.2 - 221.0	11.2 - 271.3	11.2 - 311.0
Height	1053					
Width	695	695	832	968	1102	1236
Depth	695					
Flow/Return Connections (BSP)	R2					
Gas Inlet (BSP)	R1½					
Flue Size (mm)	150	150	150	200	200	200
Maximum Working Pressure (bar)	6					
Water Content (L)	10.1	14.2	18.3	22.4	26.5	30.6
Approx Dry Weight (kg)	153	182	223	261	301	345
Boiler Clearances	Front (mm)	600				
	Back (mm)	450*	450*	450	450	450
	Side (mm)	50 (1 side) & 450 (other side), increase to 600 for side flues.				

*F90 & F140 300 if no rear flue.

Option Kits

Boiler	i max plus II	
Outside sensor kit	*	Hours run meter(s) *
Tank sensor kit	✓	BMS (0-10V) kit *
Remote indication kit	*	*Provided as standard

imax xtra 80 - 560kW

- Robust cast aluminium heat exchanger
- In-built commissioning and fault diagnostics
- Low NOx emissions
- Volt free contacts supplied as standard
- Meets Building Regulations 2006 (Part L2)
- Compact size - small footprint
- Fully modulating operation down to 20% of output
- Up to 107.5% nett efficiency (fully condensing)
- Fits through standard doorways



General Data imax xtra (80 - 560)

Model	80	120	160	200	240	280	320	400	480	560		
Boiler output (condensing) 50/30°C	25.6 - 82.2	25.6 - 123.4	32.0 - 164.5	47.1 - 207.8	51.4 - 249.4	55.6 - 290.9	75.3 - 329.0	107.5 - 415.6	116.1 - 498.8	118.3 - 581.8		
Boiler output (non-condensing) 80/60°C	23.3 - 77.4	23.2 - 116.0	29.0 - 154.8	43.1 - 195.4	47.0 - 234.5	51.0 - 273.6	67.8 - 311.6	97.7 - 390.8	105.5 - 469.0	107.7 - 547.2		
Height	1150											
Width	600	600	600	600	600	600	1200	1200	1200	1200		
Depth	1024	1024	1024	1327	1327	1327	1004	1326	1326	1326		
Flow connection (BSP)	R2"	R2"	R2"	R2"	R2"	R2"	80*	80*	80*	80*		
Return connection (BSP)	R2"	R2"	R2"	R2"	R2"	R2"	80*	80*	80*	80*		
Gas inlet connection (BSP)	R1"	R1"	R1"	R1"	R1"	R1"	R2*	R2*	R2*	R2*		
Nominal flue size / concentric (mm)	150	150	150	200	200	200	200	250	250	250		
Maximum working pressure (bar)	6											
Water content (L)	11.0	14.3	17.5	18.4	24.0	27.2	35.0	36.8	48.0	54.4		
Weight (kg)	132	150	168	198	215	233	336	396	430	466		
Boiler Clearances	Front (mm)					600						
	Back (mm)		700		700		700		1000		1000	
	Side (mm)		450 150		450 150		450 150		450 150		450 150	
		(LH)(RH)		(LH)(RH)		(LH)(RH)		(LH)(RH)		(LH)(RH)		

*DN flange. Flow, return and gas connection sizes shown are for the optional header kit.
If header kit not used: Flow & Return connections are 2 x R2. Gas connection is 2 x R1.

Option Kits

Boiler	imax xtra		Boiler	imax xtra	
	80 - 280	320 - 560		80 - 280	320 - 560
Modulating sequence control for controlling multiple boiler installations	✓	✓	Outside sensor kit	✓	✓
Programmable room thermostat	✓	✓	Room sensor kit	✓	✓
Tank sensor kit	✓	n/a	Sequencer DHW sensor kit	✓	✓
BMS control kit (0-10V)	✓	Standard	Control interface kit	✓	Standard

condensing

Concord CXC 48 - 116kW

- Natural gas fired condensing boiler
- Meets Building Regulations 2006 (Part L2)
- Fully condensing high efficiency 85% at 80°C, 93% at 60°C flow
- Compact space saving design
- Full automatic ignition
- Advanced electronic controls



General Data Concord CXC (48 - 116)

Model	48	70	94	116
Boiler output (condensing) 50/30°C	48.83	69.84	93.65	116.25
Boiler output (non-condensing) 80/60°C	44.63	63.84	83.60	106.30
Height				1438
Width				600
Depth	723	846	969	1092
Flow/Return Connections (BSP)				RC2
Gas Inlet (BSP)	RC ³ / ₄	RC ³ / ₄	RC ³ / ₄	RC1
Flue Size (mm)				150
Maximum Working Pressure (bar)				4.5
Water Content (L)	28	36	43	51
Approx Dry Weight (kg)	298	350	442	494
Boiler Clearances	Front (mm)			750
	Back (mm)			200
	Side (mm)	50	50	50

Option Kits

Boiler	Concord CXC
Remote indication board	✓
Outside sensor	✓

GT Condenser 199 - 1096kW

- Up to 16% extra heat
- Compact space saving design
- Adjustable flue and system connections
- Low flue and system resistances
- High insulation levels
- Fanned or standard versions
- Suitable for Harrier, Viceroy and Viscount boilers



General Data GT Condenser (199 - 1096)

Model	RCI 300 RCI 300V	RCI 400 RCI 400V	RCI 500 RCI 500V
Output (kW)	180 - 450	230 - 670	390 - 986
Height (mm)	1687	1777	1883
Width (mm)	610	698	830
Depth (mm) (over optional fan)	1156	1250	1376
Flue Size (mm)	300	350	400

The addition of a GT Condenser to the boiler can provide up to 16% more heat by cooling the flue gases to gain both sensible and latent heat from condensation. The lower the system return temperature being fed into the Condenser the more the gain. It all provides benefits in lower emissions and lower fuel bills.

This GT Condenser range is suitable for gas fired boilers only but can be fitted to dual fuel boilers with suitable flue design. Six models are available to suit

Harrier, Viceroy and Viscount boilers with a boiler output range suitability from 180kW (614,000 Btu/h) to 986kW (3,364,000Btu/h). Three output models cover this range and to ensure easy flue installation, each is available with or without a fan to overcome the flue pressure loss of the GT Condenser if necessary. A 6 bar working pressure capability ensures system application is straight forward.

Option Kits

Boiler	GT Condenser
Fan version	RCI 300V
	RCI 400V
	RCI 500V

gas atmospheric

Concord CXA/H S/H 40 - 120kW

- Ultra reliable gas atmospheric boilers
- High, full and part load efficiencies - meets Building Regulations 2006 (Part L2)
- Auto ignition
- Remote indication kit options
- CXA/H natural gas or propane CXA P/H (40-100kW)
- CXA/H is On/Off and CXS/H is High/Low operation



General Data Concord CXA/H S/H (40 - 120)

Model	40/H	50/H	60/H	70/H	80/H	90/H	100/H	110/H	120/H	
Sections	3	4	4	5	5	6	6	7	7	
Output (kW)	40	50	60	70	80	90	100	110	120	
Height	1000									
Width	600									
Depth	750	882	882	1042	1042	1212	1212	1385	1385	
Flow/Return Connections (BSP)	RC2									
Gas Inlet (BSP)	RC ³ / ₄	RC ³ / ₄	RC ³ / ₄	RC ³ / ₄	RC ³ / ₄	RC1	RC1	RC1	RC1	
Flue Size (mm)	150	150	175	175	200	200	200	250	250	
Maximum Working Pressure (bar)	6									
Water Content (L)	22	30	30	37	37	45	45	53	53	
Approx Dry Weight (kg)	210	265	265	330	330	395	395	490	490	
Boiler Clearances	Front (mm)	750								
	Back (mm)	0	0	0	150	150	300	300	300	300
	Sides (mm)	50	50	50	50	50	100	100	100	100

Option Kits

Boiler	CXA/H	CXS/H
Volt free contacts, boiler run, overheat & lockout	✓	✓
Down draft thermostat kit	✓	✓
Header kits (available from merchants)	✓	✓
Propane models	✓	

Concord Modular 80 - 720kW

- Suitable for Concord CXA/H and CXS/H models
- Multiple installation outputs from 80-720kW
- All servicing and maintenance from the front of boilers
- Large clean-out cover for full access to flueways
- Standard boiler width: 600mm
- Factory assembled and tested units
- Sequencer control kit available
- Remote indication kit options



General Data Concord Modular (80 - 720)

Model	40/H	50/H	60/H	70/H	80/H	90/H	100/H	110/H	120/H
No. Boilers 2x	80kW	100kW	120kW	140kW	160kW	180kW	200kW	220kW	240kW
3x	120kW	150kW	180kW	210kW	240kW	270kW	300kW	330kW	360kW
4x	160kW	200kW	240kW	280kW	320kW	360kW	400kW	440kW	480kW
5x	200kW	250kW	300kW	350kW	400kW	450kW	500kW	550kW	600kW
6x	240kW	300kW	360kW	420kW	480kW	540kW	600kW	660kW	720kW

Option Kits

Boiler	Modular
Sequencer control kit	✓
Outside sensor kit	Mandatory



Sequencer control kit

gas atmospheric

Concord CXSi/H 110 - 180kW

- Ultra reliable gas atmospheric boilers
- High, full and part load efficiencies - meets Building Regulations 2006 (Part L2)
- Auto ignition
- Remote indication kit options
- High/Low operation



General Data Concord CXSi/H (110 - 180)

Model	110/H	120/H	140/H	160/H	180/H
Sections	7	7	8	9	10
Output (kW)	110	120	140	160	180
Height	1000				
Width	1107	1107	1230	1353	1476
Depth	1036	1036	1036	1086	1140
Flow/Return Connections (mm)	Flow: DN65 Flange. Return RC2				
Gas Inlet (BSP)	RC1½				
Flue Size (mm)	250	250	250	250	300
Maximum Working Pressure (bar)	6				
Water Content (L)	53	53	60	68	76
Approx Dry Weight (kg)	520	520	587	654	721
Boiler Clearances	Front (mm)	700			
	Back (mm)	200			
	Side (mm)	100 (not including clearance for side fitted flow header)			

Option Kits

Boiler	CXSi/H
Volt free contacts, alarm & boiler run conditions	✓

Concord ES/H 140 - 380kW

- High/Low adjustable operation on all models
- High, full and part load efficiencies - meets Building Regulations 2006 (Part L2)
- Assembled or unassembled heat exchanger availability
- Robust cast iron heat exchanger
- Easy to install and service
- Low return temperature capability



General Data Concord ES/H (140 - 380)

Model	140/H	160/H	180/H	200/H	220/H	260/H	300/H	340/H	380/H
Sections	8	9	10	11	12	14	16	18	20
Output (kW)	140	160	180	200	220	260	300	340	380
Height	1406	1406	1406	1406	1406	1406	1406	1406	1406
Width	970	1058	1146	1234	1322	1498	1674	1850	2026
Depth	1362	1362	1362	1362	1362	1412	1412	1412	1462
Flow/Return Connections (BSP)	R2								
Gas Inlet (BSP)	RP1	RP1	RP1	RP1	RP1	RP1 ¹ / ₄	RP1 ¹ / ₄	RP1 ¹ / ₄	RP1 ¹ / ₂
Flue Size (mm)	250	250	300	300	300	350	350	350	400
Maximum Working Pressure (bar)	6								
Water Content (L)	61	68	76	84	91	106	122	137	154
Approx Dry Weight (kg)	667	730	807	880	934	1096	1227	1364	1476
Boiler Clearances	Front (mm)	1000							
	Back (measured from rear edge of jacket) (mm)	500							
	At sides Water connection side (RH or LH) (mm)	400							
	At sides Non connection side (RH or LH) (mm)	200							

Option Kits

Boiler	ES/H
Hours run meter (1 or 2 hours)	✓
Flue gas thermometer	✓

high efficiency

Super Series 4 50 - 600kW

- Vertical and horizontal models
- High efficiency 85% (gross)
- Low NOx emissions (class 5)
- 50kW Modules
- Sequence controlled
- Compact size
- Complete package gas/water headers



General Data Super Series 4 (50 - 600)

Model	50/V	100/V	150/V	150/VA	200/V	250/V	250/H	300/V	300/H	350/V	400/V	450/V	450/H	500/V	500/H	550/V	550/H	600/V	600H
Modules	1	2	3	3	4	5	5	6	6	7	8	9	9	10	10	11	11	12	12
Output (kW)	50	100	150	150	200	250	250	300	300	350	400	450	450	500	500	550	550	600	600
Height	782	1432	1912	1487	1487	1967	1443	1972	1443	1618	1618	2144	1345	2144	1345	2144	1345	2144	1345
Width	439	701	701	1171	1171	1171	1783	1171	1783	1822	1822	1833	2393	1833	2393	1833	2392	1833	2393
Depth	698	698	698	698	698	698	698	698	698	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
Flow/Return Connections (DN flange)	40	50	65	65	65	80	80	80	80	100	100	125	125	125	125	125	125	125	125
Gas Inlet (BSP)	RC ³ / ₄	RC1	RC1 ¹ / ₄	RC1 ¹ / ₄	RC1 ¹ / ₄	RC1 ¹ / ₂	RC1 ¹ / ₂	RC1 ¹ / ₂	RC1 ¹ / ₂	RC2	RC2	RC2	RC2	RC2	RC2	RC2	RC2	RC2	RC2
Flue Size (mm)	125	175	200	200	250	250	250	300	300	350	350	400	400	400	400	450	450	450	450
Maximum Working Pressure (bar)	6																		
Water Content (L)	4.5	11.9	20.7	21.7	26.2	37.7	39.7	44.5	44.5	63.3	68.1	97.6	92.6	102.4	97.4	107.2	102.2	112	107
Approx Dry Weight (kg)	82.1	187.7	274.1	296.4	348	461	411.2	511.2	513.7	765	813	985	972	1033	1020	1080	1067	1129	1115
Boiler Clearances	Front (mm)	950																	
	Back (mm)	25	25	25	25	25	25	25	25	950	950	950	950	950	950	950	950	950	950
	Left (mm)	450	900	900	900	900	900	900	900	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
	Right (mm)	450	900	900	900	900	900	900	900	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

Option Kits

Boiler	Super Series 4
Water flow switch for boiler protection in the event of pump failure	✓
External sequencer control kit	✓
Module blanking off pack	✓

Super Plus 200 - 600kW

- Horizontal assembly
- High efficiency 85% (gross)
- Low NOx emissions (class 5)
- 100kW Modules
- Ultra compact
- Sequence controlled
- Easy to install and service



General Data Super Plus (200 - 600)

Model	200/S	300/3	300/3A	400/4	400/4A	500/5	600/6
Modules	2	3	3	4	4	5	6
Output (kW)	200	300	300	400	400	500	600
Height	1800	1900	1900	1900	1900	1900	1900
Width	910	1510	2115	1510	2115	2115	2115
Depth	990	990	990	990	990	990	990
Flow/Return Connections (DN flange)	65	125	125	125	125	125	125
Gas Inlet (BSP)	RC1 $\frac{1}{2}$	RC2	RC2	RC2	RC2	RC2	RC2
Flue Size (mm)	250	350	350	450	450	450	450
Maximum Working Pressure (bar)	6						
Water Content (L)	19.8	29.7	29.7	39.7	39.7	49.5	59.4
Approx Dry Weight (kg)	328.3	466.4	466.4	546.1	546.1	715.6	794.6
Boiler Clearances	Front (mm)			900			
	Back (mm)			25			
	Left (mm)			500			
	Right (mm)			500			

Option Kits

Boiler	Super Plus
Water flow switch for boiler protection in the event of pump failure	✓
Remote indication of boiler on, lockout and overheat for each module	✓
Module blanking off pack	✓

pressure jet

Buccaneer GTE 21 - 39kW

- Natural gas, oil fired or dual fuel
- High efficiency
- Minimal emissions
- Compact size
- Comprehensive control
- Low temperature operation



General Data Buccaneer GTE (21 - 39)

Model	GTE 4	GTE 5	GTE 6
Sections	4	5	6
Output (kW)	21 - 27	27 - 33	32 - 39
Height (mm)		835	
Width (mm)		570	
Depth (mm)	812	939	1066
Flow/Return Connections (BSP)		R1 ¹ / ₄	
Maximum Working Pressure (bar)		4	
Flue Size (mm)	125	125	153
Water Content (L)	24.5	30.0	35.5
Approx Dry Weight (kg)	182	210	238
Front		1000	
Back (mm)		500	
Boiler Clearances Left (mm)		500	
Right (mm)		500	

Option Kits

Boiler	Buccaneer GTE
DHW sensor	✓

Falcon GTS 40-100kW

- Natural gas or oil fired
- High efficiency
- Minimal emissions
- Compact size
- Comprehensive control
- Low temperature operation



General Data Falcon GTS (40 - 100)

Model	GTS 4	GTS 5	GTS 6	GTS 7	GTS 8
Sections	4	5	6	7	8
Output (kW)	40-50	50-64	64-78	78-92	92-100
Height	1100				
Width	520				
Depth	772	899	1026	1153	1280
Flow/Return Connections (BSP)	R1 ¹ / ₄	R1 ¹ / ₄	R1 ¹ / ₂	R1 ¹ / ₂	R1 ¹ / ₂
Maximum Working Pressure (bar)	4				
Flue Size (mm)	153	153	180	180	180
Water Content (L)	36	43	50	57	64
Approx Dry Weight (kg)	254	296	344	381	423
Boiler Clearances	Front (mm)	1000			
	Back (mm)	500			
	Left (mm)	500			
	Right (mm)	500			

Option Kits

Boiler	Falcon GTS
DHW sensor	✓

pressure jet

Harrier GTE 105 - 330kW

- Natural gas, oil fired or dual fuel
- High efficiency
- Minimal emissions
- 3 pass heat exchanger
- Compact size
- Meets Building Regulations 2006 (Part L2)



General Data Harrier GTE (105 - 330)

Model	GTE5	GTE6	GTE7	GTE8	GTE9
Sections	5	6	7	8	9
Output (kW)	140	180	230	280	330
Height	1297				
Width	796				
Depth	1151	1311	1471	1631	1791
Flow/Return Connections (DN flange)	65				
Flue Size (mm)	180	180	200	200	200
Maximum Working Pressure (bar)	6				
Water Content (L)	116	136	156	176	196
Approx Dry Weight (kg)	748	906	1043	1165	1289
Boiler Clearances	Front (mm)				1500
	Back (mm)				1000
	Side - non hinge (mm)				100
	Side - door hinge (mm)	500 or 200 + burner length			

Option Kits

Boiler	Harrier GTE
Hours run meter(s)	✓
De Luxe control panel (High / Low operation)	✓
Flue gas thermometer	✓
GT Condenser	✓

Viceroy GT 300 - 780kW

- Natural gas, oil fired or dual fuel
- High efficiency
- Minimal emissions
- 3 pass heat exchanger
- Compact size
- Meets Building Regulations 2006 (Part L2)



General Data Viceroy GT (300 - 780)

Model	GT8	GT9	GT10	GT11	GT12	GT13	GT14
Sections	8	9	10	11	12	13	14
Output (kW)	390	450	540	600	670	720	780
Height	1695						
Width	1000						
Depth	1505	1665	1825	1985	2145	2305	2465
Flow/Return Connections (mm)	75	75	75	100	100	100	100
Flue Size (mm)	250	250	250	300	300	300	300
Maximum Working Pressure (bar)	6						
Water Content (L)	366	409	452	495	538	581	624
Approx Dry Weight (kg)	1941	2028	2524	2492	2653	2881	3117
Boiler Clearances	Front (mm)	1500	2000	2000	2000	2500	2500
	Back (mm)	1000					
	Left (mm)	500					
	Right (mm)	500					

Option Kits

Boiler	Viceroy GT
Hours run meter(s)	✓
De Luxe control panel (High / Low operation)	✓
Flue gas thermometer	✓
GT Condenser	✓

pressure jet

Viscount GTE 754 - 1450kW

- Natural gas, oil fired or dual fuel
- Meets Building Regulations 2006 (Part L2)
- Minimal emissions
- 4 pass heat exchanger
- Comprehensive control
- Low temperature return



General Data Viscount GTE (754 - 1450)

Model	GTE14	GTE15	GTE16	GTE17	GTE18	GTE19	GTE20	GTE21	GTE22	GTE23	GTE24	GTE25	
Sections	14	15	16	17	18	19	20	21	22	23	24	25	
Output (kW)	812	870	928	986	1044	1102	1160	1218	1276	1334	1392	1450	
Height	1760												
Width	1172												
Depth	2105	2245	2355	2445	2555	2645	2845	2955	3045	3155	3245	3355	
Flow/Return Connections (mm)	139.7	139.7	139.7	139.7	159	159	159	159	159	159	159	159	
Flue Size (mm)	450	450	450	500	500	500	500	500x700max	500x700max	500x700max	500x700max	500x700max	
Maximum Working Pressure (bar)	6												
Water Content (L)	655	693	731	769	807	845	905	943	981	1019	1057	1095	
Approx Dry Weight (kg)	3218	3430	3629	3814	3950	4128	4369	4567	4755	4951	5140	5340	
Boiler Clearances	Front (mm)	1500											
	Back (mm)	300	436	436	656	656	656	936	936	936	1266	1266	1266
	Side - non hinge (mm)	500											
	Right (mm)	1200											

Option Kits

Boiler	Viscount GTE
Hours run meter(s)	✓
De Luxe control panel (High / Low operation)	✓
Flue gas thermometer	✓
GT Condenser	✓

Vanguard L 130 - 3500kW

- Steel shell construction
- Natural gas, oil fired or dual fuel
- One or two stage operation
- High efficiency 91% net (82% gross)
- Reverse flame combination chamber design
- Easy to install and service
- Meets Building Regulations 2006 (Part L2)



General Data Vanguard L (130 - 3500)

Model	170	240	290	340	420	510	630	760	870	970	1100	1320	1570	1850	2200	2650	3000	3500	
Output (kW)	170	240	290	340	420	510	630	760	870	970	1100	1320	1570	1850	2200	2650	3000	3500	
Height	1272	1272	1372	1372	1542	1542	1542	1622	1622	1622	1622	1622	1732	1732	1892	1892	2080	2340	
Width	820	820	860	860	890	890	890	1122	1122	1122	1352	1352	1462	1462	1622	1622	1670	1920	
Depth	1214	1474	1411	1541	1606	1801	2113	1989	2184	2379	2346	2686	2781	3151	3225	3545	3835	3879	
Flow/Return Connections (DN flange)	65	65	80	80	100	100	100	125	125	125	150	150	175	175	200	200	200	200	
Flue Size (mm)	200	200	250	250	250	250	250	350	350	350	400	400	450	450	520	520	570	620	
Maximum Working Pressure (bar)	6																		
Water Content (L)	190	251	264	298	398	462	565	671	753	836	1040	1242	1418	1617	2086	2324	2553	4862	
Approx Dry Weight (kg)	435	510	588	629	796	919	1047	1341	1447	1553	1821	2030	2780	3280	4145	4465	5110	6700	
Boiler Clearances	Front (mm)	Same length as boiler																	
	Back (mm)	500																	
	Side - non hinge (mm)	100																	
	Right (mm)	200 + burner length																	

Stelrad Radiators



Stelrad Radiators

Stelrad is the UK market leader in central heating radiators, offering the widest range, and in more sizes, than any other manufacturer. Our highly advanced production and distribution facility in Mexborough, UK, produces over 2.5 million steel panel radiators a year, for both Domestic and Commercial markets.

From the classic, traditional Elite to the sophisticated, stylish Excel - Stelrad has a variety of styles and finishes to harmonise with any period or contemporary setting.



The Stelrad Team

Radiators

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Spares Sales

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Technical Information

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Website

You'll find information here on the entire product range; user guides, installation and mounting instructions, servicing manuals and technical product data, available options; as well as the services we offer in support of our products.

You will find the website located at:

www.stelrad.com



quality, choice & style

Ladder & Mini Ladder



- 28 Models
- Heights 698 - 1800mm
- Lengths 400, 500 & 600mm
- Output 240 - 1022 watts
- Types Straight/Curved - White/Chrome
- Cost effective
- Adds elegance

STR



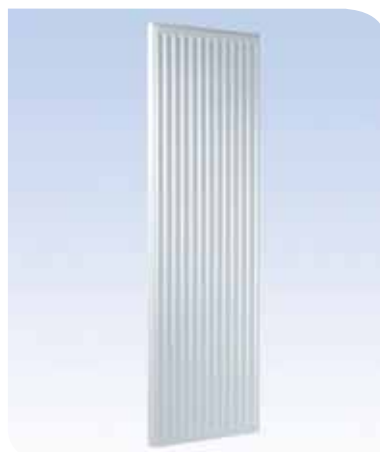
- 5 Models
- Heights 645, 745mm
- Lengths 425, 625, 825mm
- Output 419 - 922 watts
- Functional and aesthetically superior

Bergamo



- 6 Models
- Heights 740, 1172, 1730mm
- Lengths 500, 600mm
- Output 376 - 940 watts
- New flat tube design

Vertex



- 12 Models
- Heights 1604, 1804, 2004, 2204mm
- Lengths 445, 580, 715mm
- Output 1110 - 2304 watts
- Type P2

Classic Column



- 59 Models
- Heights 300, 500, 600, 750, 1800, 2000, 2500mm
- Lengths 315 - 1800mm
- Output 297 - 3015 watts
- Types 2, 3, 4 columns
- Chic solution

Traditional

Data & Dimensions

Height (mm)	Length (mm)	Output Watts at $\Delta T50$			
		K1	P+	K2	P1
300	500	259	388	506	•
300	1000	517	776	1012	•
300	1500	776	1164	1518	•
300	2000	1034	1552	2024	•
300	2500	1293	1940	2530	•
300	3000	1551	2328	3036	•
450	400	307	442	564	190
450	500	384	553	705	238
450	600	461	664	845	286
450	700	538	774	986	333
450	800	614	885	1127	381
450	900	691	995	1268	428
450	1000	768	1106	1409	476
450	1100	845	1217	1550	•
450	1200	922	1327	1691	571
450	1400	1075	1548	1973	666
450	1600	1229	1770	2254	762
450	1800	1382	1991	2536	•
450	2000	1536	2212	2818	952
450	2200	1690	2433	3100	•
450	2400	1843	2654	3382	1142
450	2600	1997	2876	3663	•
450	2800	2150	3097	3945	•
450	3000	2304	3318	4227	•
600	400	400	564	711	244
600	500	500	705	889	305
600	600	600	845	1067	366
600	700	700	986	1245	427
600	800	800	1127	1422	488
600	900	900	1268	1600	549
600	1000	1000	1409	1778	610
600	1100	1100	1550	1956	•
600	1200	1200	1691	2134	732
600	1400	1400	1973	2489	854
600	1600	1600	2254	2845	976
600	1800	1800	2536	3200	•
600	2000	2000	2818	3556	1220
600	2200	2200	3100	3912	•
600	2400	2400	3382	4267	1464
600	2600	2600	3663	4623	•
600	2800	2800	3945	4978	•
600	3000	3000	4227	5334	•
700	400	457	639	804	280
700	500	571	799	1006	350
700	600	685	958	1207	419
700	700	799	1118	1408	489
700	800	914	1278	1609	559
700	900	1028	1437	1810	629
700	1000	1142	1597	2011	699
700	1100	1256	1757	2212	•
700	1200	1370	1916	2413	839
700	1400	1599	2236	2815	979
700	1600	1827	2555	3218	1118
700	1800	2056	2875	3620	•
700	2000	2284	3194	4022	1398
700	2200	2512	3513	4424	•
700	2400	2741	3833	4826	1678
700	2600	2969	4152	5229	•
700	2800	3198	4472	5631	•
700	3000	3426	4791	6033	•

Elite



- 216 Models
- Heights 300, 450, 600, 700mm
- Lengths 400 - 3000mm
- Output 190 - 6033 watts
- Types P1, K1, P+ & K2
- Working pressure - 16psi (8 bar)
- 10 Year Warranty

Options

See page 31

Data & Dimensions

Height (mm)	Length (mm)	Output Watts at Δ T50			
		K1	P+	K2	P1
300	500	255	373	491	•
300	1000	509	745	982	•
300	1500	764	1118	1473	•
300	2000	1018	1490	1964	•
300	2500	1273	1863	2455	•
300	3000	1527	2235	2946	•
450	400	302	422	548	190
450	500	378	528	686	237
450	600	454	633	823	284
450	700	529	739	960	332
450	800	605	844	1097	379
450	900	680	950	1234	427
450	1000	756	1055	1371	474
450	1100	832	1161	1508	•
450	1200	907	1266	1645	569
450	1400	1058	1477	1919	664
450	1600	1210	1688	2194	758
450	1800	1361	1899	2468	•
450	2000	1512	2110	2742	948
450	2200	1663	2321	3016	•
450	2400	1814	2532	3290	1138
450	2600	1966	2743	3565	•
450	2800	2117	2954	3839	•
450	3000	2268	3165	4113	•
600	400	392	538	693	248
600	500	490	673	866	310
600	600	588	807	1039	371
600	700	686	942	1212	433
600	800	784	1076	1386	495
600	900	882	1211	1559	557
600	1000	980	1345	1732	619
600	1100	1078	1480	1905	•
600	1200	1176	1614	2078	743
600	1400	1372	1883	2425	867
600	1600	1568	2152	2771	990
600	1800	1764	2421	3118	•
600	2000	1960	2690	3464	1238
600	2200	2156	2959	3810	•
600	2400	2352	3228	4157	1486
600	2600	2548	3497	4503	•
600	2800	2744	3766	4850	•
600	3000	2940	4035	5196	•
700	400	447	612	784	286
700	500	559	765	981	358
700	600	670	918	1177	429
700	700	782	1071	1373	501
700	800	894	1224	1569	572
700	900	1005	1377	1765	644
700	1000	1117	1530	1961	715
700	1100	1229	1683	2157	•
700	1200	1340	1836	2353	858
700	1400	1564	2142	2745	1001
700	1600	1787	2448	3138	1144
700	1800	2011	2754	3530	•
700	2000	2234	3060	3922	1430
700	2200	2457	3366	4314	•
700	2400	2681	3672	4706	1716
700	2600	2904	3978	5099	•
700	2800	3128	4284	5491	•
700	3000	3351	4590	5883	•

Compact



- 216 Models
- Heights 300, 450, 600, 700mm
- Lengths 400 - 3000mm
- Output 190 - 5883 watts
- Types P1, K1, P+ & K2
- Working Pressure - 16psi (8bar)
- 10 Year Warranty

Options

See page 31

low surface temperature

Data & Dimensions					
Height (mm)	Emitter Height (mm)	Length (mm)	Output Watts at $\Delta T50$		
			K1	P+	K2
500	300	560	196	284	348
500	300	760	293	426	522
500	300	960	391	568	696
500	300	1160	489	710	870
500	300	1360	587	852	1044
500	300	1560	685	994	1218
500	300	1760	782	1136	1392
500	300	1960	880	1278	1566
650	450	560	290	386	478
650	450	760	435	580	717
650	450	960	580	773	956
650	450	1160	725	966	1195
650	450	1360	870	1159	1434
650	450	1560	1015	1352	1673
650	450	1760	1160	1546	1912
650	450	1960	1305	1739	2151
800	600	560	365	501	615
800	600	760	548	751	922
800	600	960	730	1002	1230
800	600	1160	913	1252	1537
800	600	1360	1096	1502	1844
800	600	1560	1278	1753	2152
800	600	1760	1461	2003	2459
800	600	1960	1643	2254	2767

LST Standard



- 72 Models
- Heights 500, 650, 800mm
- Lengths 560 - 1960mm
- Output 196 - 2767 watts
- Types K1, P+ & K2
- Safety grilles supplied as standard
- Casing supplied with valve/pipework "knockouts" on side panels
- Flexibility of choice
- Competitively versatile

Options

Remote sensing thermostatic valves

Data & Dimensions

	Model	Height (mm)	Height inc Kick Grille (mm)	Emitter Height (mm)	Length (mm)	Emitter Length (mm)	Output Watts at $\Delta T50$		
							K1	P+	K2
Integral Kick Grille		500	500	300	650	400	203	290	362
		500	500	300	850	600	304	435	542
		500	500	300	1050	800	406	580	723
		500	500	300	1250	1000	507	725	904
		500	500	300	1450	1200	608	870	1085
		500	500	300	1650	1400	710	1015	1266
		500	500	300	1850	1600	811	1160	1446
		500	500	300	2050	1800	913	1305	1627
Optional Kick grille		500	650	400	650	400	264	388	456
		500	650	400	850	600	397	581	685
		500	650	400	1050	800	529	775	913
		500	650	400	1250	1000	661	969	1141
		500	650	400	1450	1200	793	1163	1369
		500	650	400	1650	1400	925	1357	1597
		500	650	400	1850	1600	1058	1550	1825
		500	650	400	2050	1800	1190	1744	2054
Optional Kick Grille		600	750	400	650	400	336	461	558
		600	750	400	850	600	503	692	837
		600	750	400	1050	800	671	922	1116
		600	750	400	1250	1000	839	1153	1395
		600	750	400	1450	1200	1007	1384	1674
		600	750	400	1650	1400	1175	1614	1953
		600	750	400	1850	1600	1342	1845	2232
		600	750	400	2050	1800	1510	2075	2511



Disabled Adaptor

The disabled adaptor comes as standard and is designed to aid those who may find it difficult to manoeuvre the standard control.



Blanking Cap

Each LST 2 has a blanking cap which can be used to make the LST 2 totally tamper proof.



TRV - Lockable

The TRV within the LST 2 can be locked at any temperature within the range so that performance and comfort levels can be maintained. Also comes with 2m remote sensing capillary as standard.



Kick Grilles

Optional kick grilles are provided on the two larger models and can be used as either full unit grilles or simply pipe cores.

LST Plus



- 72 Models
- Heights 500, 650, 750mm
- Lengths 650 - 2050mm
- Output 203 - 2511 watts
- Types K1, P+ & K2
- Specialised integrated features as standard
- Complete pre-assembled package
- Unique design ensuring safety and fast installation

specifier range

Data & Dimensions - Style					
Height (mm)	Length (mm)	Output Watts at $\Delta T50$			
		K1	K2	P+	P2
300	500	225	435	•	•
300	1000	450	869	•	•
300	1400	630	1217	•	•
300	2000	900	1738	•	•
500	400	290	514	•	•
500	600	436	772	•	•
500	800	581	1029	•	•
500	1000	726	1286	•	•
500	1200	871	1543	•	•
500	1400	1016	1800	•	•
500	1600	1162	2058	•	•
500	1800	1307	2315	•	•
500	2000	1452	2572	•	•
600	400	339	597	•	•
600	600	508	895	•	•
600	800	678	1194	•	•
600	1000	847	1492	•	•
600	1200	1016	1790	•	•
600	1400	1186	2089	•	•
600	1600	1355	2387	•	•
600	1800	1525	2686	•	•
600	2000	1694	2984	•	•

Data & Dimensions - Style Lo-line					
Height (mm)	Length (mm)	Output Watts at $\Delta T50$			
		K1	K2	P+	P2
200	500	•	242	307	•
200	1000	•	483	614	•
200	1400	•	676	860	•
200	2000	•	966	1228	•

Data & Dimensions - Style Vertical					
Height (mm)	Length (mm)	Output Watts at $\Delta T50$			
		K1	K2	P+	P2
1600	300	•	•	•	707
1600	500	•	•	•	1062
1600	600	•	•	•	1228
1800	300	•	•	•	785
1800	500	•	•	•	1180
1800	600	•	•	•	1364
2000	300	•	•	•	862
2000	500	•	•	•	1295
2000	600	•	•	•	1498
2400	300	•	•	•	1011
2400	500	•	•	•	1520
2400	600	•	•	•	1757

Style



- 44 Models
- Heights 300, 500, 600mm
- Lengths 400 - 2000mm
- Output 225 - 2984 watts
- Types K1 & K2
- Stylish linear design

Options

See page 31

Data & Dimensions

Height (mm)	Length (mm)	Output Watts at $\Delta T50$	
		K1	K2
300	500	235	465
300	1000	469	929
300	1400	657	1301
300	2000	938	1858
400	400	250	471
400	600	376	706
400	800	501	942
400	1000	626	1177
400	1200	751	1412
400	1400	876	1648
400	1600	1002	1883
400	1800	1127	2119
400	2000	1252	2354
500	400	310	564
500	600	464	847
500	800	619	1129
500	1000	774	1411
500	1200	929	1693
500	1400	1084	1975
500	1600	1238	2258
500	1800	1393	2540
500	2000	1548	2822
600	400	364	654
600	600	547	980
600	800	729	1307
600	1000	911	1634
600	1200	1093	1961
600	1400	1275	2288
600	1600	1458	2614
600	1800	1640	2941
600	2000	1822	3268

6 Tappings

The planar comes with 6 tappings enabling a multitude of installation configurations which dramatically reduce installation time.



Planar



- 62 Models
- Heights 300, 400, 500, 600mm
- Lengths 400 - 2000mm
- Output 235 - 3268 watts
- Types K1 & K2
- 6 Tappings - Pre-piped TBSE
- Flat fronted design

Options

See page 31

data & dimensions

Data & Dimensions - Plane

Height (mm)	Length (mm)	Elements	Plane Single	Plane Double
440	500	6	382	673
440	600	6	458	808
440	700	6	535	942
440	800	6	611	1077
440	900	6	688	1211
440	1000	6	764	1346
440	1100	6	840	1481
440	1200	6	917	1615
440	1400	6	1070	1884
440	1600	6	1222	2154
440	1800	6	1375	2423
440	2000	6	1528	2692
440	2200	6	1681	2961
440	2400	6	1834	3230
440	2600	6	1986	3500
440	2800	6	2139	3769
440	3000	6	2292	4038
588	500	8	500	827
588	600	8	599	992
588	700	8	699	1158
588	800	8	799	1323
588	900	8	899	1489
588	1000	8	999	1654
588	1100	8	1099	1819
588	1200	8	1199	1985
588	1400	8	1399	2316
588	1600	8	1598	2646
588	1800	8	1798	2977
588	2000	8	1998	3308
588	2200	8	2198	3639
588	2400	8	2398	3970
588	2600	8	2597	4300
588	2800	8	2797	4631
588	3000	8	2997	4962
736	500	10	606	1046
736	600	10	727	1255
736	700	10	848	1464
736	800	10	970	1674
736	900	10	1091	1883
736	1000	10	1212	2092
736	1100	10	1333	2301
736	1200	10	1454	2510
736	1400	10	1697	2929
736	1600	10	1939	3347
736	1800	10	2182	3766
736	2000	10	2424	4184
736	2200	10	2666	4602
736	2400	10	2909	5021
736	2600	10	3151	5439
736	2800	10	3394	5858
736	3000	10	3636	6276

Data & Dimensions - Vertical & Slimline

Height (mm)	Length (mm)	Elements	Vertical	Slimline
1800	320	8		872
1800	440	6	780	
1800	520	13		1417
1800	588	8	1040	
1800	640	16		1744
1800	736	10	1300	
2000	320	8		978
2000	440	11	870	
2000	520	13		1589
2000	588	8	1160	
2000	640	16		1956
2000	736	10	1450	

Concord



- 130 Models
- Heights 144, 292, 440, 588, 736, 1800, 2000mm
- Lengths 320 - 3000mm
- Output 382 - 6276 watts
- Low water content for fast efficient heat-up
- High pressure tested to withstand 6.0 bar

Options

See page 31

Data & Dimensions - Lo-Line

Height (mm)	Length (mm)	Elements	Lo-Line
144	800	2	530
144	1000	2	663
144	1200	2	796
144	1400	2	928
144	1600	2	1061
144	1800	2	1193
144	2000	2	1326
144	2200	2	1459
292	800	4	898
292	1000	4	1122
292	1200	4	1346
292	1400	4	1571
292	1600	4	1795
292	1800	4	2020
292	2000	4	2244
292	2200	4	2468

radiator options



Valves

Stelrad can offer a range of luxury valves to complement our design products.



3/4" Adaptor

The adaptor enables you to connect to 3/4" pipework with no detriment to performance.



Extension Pieces

20/30 and 40mm extension pieces are available to help bridge gaps on replacement installations.



Floor Standing Brackets

When wall space is at a premium or has insufficient load bearing, floor standing brackets can offer a suitable alternative.



Continental Brackets

If it is extra security you need, continental brackets clean up the top and bottom seam offering greater stability.



Top Grilles & Side Panels

Can be fitted to Elite radiators when a more aesthetic solution is required.



A full range of options and accessories can be seen by visiting www.stelrad.com

The Ideal Commercial Range

Boiler output	kW	20	40	100	150	200	600	800	1000	1500	3500
	Btu/h (000)	68	136	340	511	682	2047	2729	3412	5118	11942
Atmospheric Boilers											
Concord CXA/H			40-120								
Concord CXS/H			40-120								
Concord CXSi/H				110-180							
Concord ES/H				140-380							
Concord Modular				80-720							
High Efficiency Boilers											
Concord Super Series 4				50-600							
Concord Super Plus					200-600						
Condensing Boilers											
icos HE		30-36									
imax W			45-80								
Concord CXC			48-116								
imax plus II				90-310							
imax xtra				80-560							
GT Condenser					180-990						
Pressure Jet Boilers											
Buccaneer GTE		21-39									
Falcon GTS			40-100								
Harrier GTE				105-330							
Viceroy GT					300-780						
Viscount GTE						754-1450					
Vanguard L							130-3500				

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Approval

These appliances are certified to G.A.D. 90/396 and B.E.D. 92/42 safety and performance Directives for gas boilers.

Ideal Boilers pursues a policy of continuous improvement in design and performance of its products and reserves the right to vary specification without notice. Statutory rights of the consumer are not affected.



Assurance of quality
BS EN ISO 9001: 2000



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