

# Castle kilns Ltd

Unit 2, Trent House. Dunning Street. Tunstall. Stoke on Trent.  
Staffordshire. ST6 5AP. England.  
TEL +44 (0) 1782 821500 / 818414 FAX +44 (0) 1782 819700  
E-mail [sales@castlekilns.com](mailto:sales@castlekilns.com) Web site <http://www.castlekilns.com>

## “DESIGNER RANGE”

The **Designer** Range can be supplied for 825 °C, 1300 °C and 1400 °C firing applications with a wide choice of *plug in* temperature controllers to suit individual requirements.

Safety being paramount, all **Designer** kilns are fitted with over temperature protection and electromechanical door safety locks.

Superior heating element design and thermally efficient linings are standard throughout the range. All linings are designed in-house with heat losses calculated using the latest temperature gradient software.

Styled using pressed steel for the main body and finished with high gloss enamel, all **Designer** kilns come complete with three metres of mains cable ready for electrical connection. A dedicated delivery and installation service is also available with full operational training by a fully qualified Installation and Service Engineer.



Designed to be adaptable, flexible and reliable. The Castle **Designer** Range of Front Loading Electric Kilns is the total solution for small scale or special heat treatment applications.

Whether, for a private buyer, school / university, potter or industrial application, the **Designer** Front Loader will surpass all expectations.

Our team of qualified process and ceramic engineers are always on hand to assist with your enquiry, from choice of size and specification through to final installation and commissioning.

### TYPICAL APPLICATIONS

Earthenware  
Stoneware  
China  
Bone China  
Porcelain  
Sanitary ware  
Ceramic Tiles  
Technical Ceramics  
Jewellery  
Enamelling  
Glass Slumping  
Glass Tile decoration.  
Decoration work  
Ferrite's  
Sintering  
Substrates  
Teflon coating  
Annealing  
Pre Welding Conditioning  
Pre Press Work  
Pre Cast Condition  
Metal Heat Treatment  
Calcination  
Grinding Media  
Curing / Conditioning  
Wax Burnout  
Medical Waste Incineration  
Inert Gas Injection  
Special applications

### TYPICAL USERS

Potters  
Ceramists  
Colleges  
Universities  
Laboratories  
Research  
Industrial  
Electronics  
Defence  
Aerospace



Unit 2, Trent House. Dunning Street. Tunstall. Stoke on Trent.  
Staffordshire. ST6 5AP. England.  
TEL +44 (0) 1782 821500 / 818414 FAX +44 (0) 1782 819700  
E-mail [sales@castlekilns.com](mailto:sales@castlekilns.com) Web site <http://www.castlekilns.com>

## “DESIGNER RANGE”

### DFL FRONT LOADING ELECTRIC KILNS - Maximum Temperature 1300°C SPECIFICATION SHEET

Kiln Ref 'DFL'	Capacity Ltrs / Cu. Ft	Internal Dimensions Wide x Deep x High (mm / inches)	External Dimensions Wide x Deep x High (mm / inches)	Approx. Weight Kg	Power kW	Supply (amps)	
						220/240	380/415
No. 8	80.5 2.85	380 x 460 x 460 15 x 18 x 18"	624 x 966 x 1372 24½ x 38 x 54"	200	6.25	30A	20A
No. 12	123 4.33	460 x 460 x 580 18 x 18 x 23"	700 x 966 x 1372 27½ x 38 x 54"	250	8.50	40A	20A
No. 16	163 5.75	460 x 610 x 580 18 x 24 x 23"	700 x 966 x 1372 27½ x 38 x 54"	250	9.78	50A	20A
No. 19	191 6.75	460 x 610 x 680 18 x 24 x 27"	700 x 966 x 1372 x 27½ x 38 x 54"	250	11.38	50A	20A
No. 25	255 9.00	460 x 610 x 910 18 x 24 x 36"	700 x 966 x 1604 27½ x 38 x 63"	250	14.08	80A	30A
No. 28	283 9.96	610 x 610 x 760 24 x 24 x 30"	966 x 1066 x 1473 38 x 42 x 58"	460	15.75	80A	30A
No. 34	340 12.00	610 x 610 x 910 24 x 24 x 36"	966 x 1193 x 1625 38 x 47 x 64"	500	18.00	--	40A
No. 35	354 12.50	610 x 760 x 760 24 x 30 x 30"	966 x 1193 x 1473 38 x 47 x 58"	480	18.50	--	40A
No. 42	422 14.90	610 x 760 x 910 24 x 30 x 36"	966 x 1193 x 1625 38 x 47 x 64"	550	22.00	--	40A
No. 50	505 17.84	610 x 910 x 910 24 x 36 x 36"	966 x 1346 x 1625 38 x 53 x 64"	600	24.50	--	50A
No. 68 Auto	677 23.90	610 x 910 x 1220 24 x 36 x 48"	966 x 1346 x 2032 38 x 53 x 80"	900	32.00	--	60A
No. 100 Auto	976 34.46	800 x 1000 x 1220 31½ x 39½ x 48"	1170 x 1510 x 2032 46 x 59½ x 80"	1,100	45.00	--	80A



Unit 2, Trent House. Dunning Street. Tunstall. Stoke on Trent.  
 Staffordshire. ST6 5AP. England.  
 TEL +44 (0) 1782 821500 / 818414 FAX +44 (0) 1782 819700  
 E-mail [sales@castlekilns.com](mailto:sales@castlekilns.com) Web site <http://www.castlekilns.com>

## “DESIGNER RANGE”

### DFL FRONT LOADING ELECTRIC KILNS FURNITURE DETAILS

Kiln Ref 'DFL'	No of Shelves	Batts Per Set	Batt Dimensions Wide x Deep x Thick (mm / inches)	Prop Lengths & Quantity Per Set					Approx Weight kg
				25 mm	38 mm	100 mm	150 mm	200 mm	
No. 8	3	3	330 x 406 x 199 mm 13" x 16" x ¾"	18	18	--	--	--	30
No. 12	4	4	406 x 406 x 19 mm 16" x 16" x ¾"	27	27	--	--	--	39
No. 16	4	8	406 x 280 x 19 mm 16" x 11" x ¾"	27	27	--	--	--	49
No. 19	4	8	406 x 280 x 19 mm 16" x 11" x ¾"	27	27	--	--	--	49
No. 25	6	12	406 x 280 x 19 mm 16" x 11" x ¾"	40	40	--	--	--	59
No. 28	5	10	560 x 280 x 19 mm 22" x 11" x ¾"	--	14	14	10	5	77
No. 34	5	10	560 x 280 x 19 mm 22" x 11" x ¾"	--	14	14	10	5	77
No. 35	5	20	280 x 360 x 19 mm 11" x 14" x ¾"	--	22	22	12	8	109
No. 42	5	20	280 x 360 x 19 mm 11" x 14" x ¾"	--	22	22	12	8	109
No. 50	5	20	280 x 430 x 19mm 11" x 17" x ¾"	--	22	22	12	8	127
No. 68 Auto	7	28	280 x 430 x 19mm 11" x 17" x ¾"	--	26	26	16	10	164
No. 100 Auto	8	32	379 x 475 x 19 mm 14 ¾" x 18 ¾" x ¾"	--	26	26	21	14	--