Type of final circuit	
	Households
Lighting	0.66
Heating and power	100% up to 10 A + 50% balance
Cookers	10 A + 30% balance + 5 A for socket
Motors (but not lifts)	
Instantaneous water heaters	100%X + 100%Y + 25%Z
Thermostatic water heaters	100%
Floor warming installations	100%
Thermal storage heating	100%
Standard circuits	100%X + 40%(Y+Z)
Sockets and stationary equip.	100%X + 40%(Y+Z)

device	demand kw			demand amps(kw*4.3)			**total amps**
	X	Y	Z	X	Y	Z	
lights	2			8.6	0	0	**8.6**
				0	0	0	**0**
3 ovens @ 13,10,10	13	10	10	55.9	43	43	**54.57**
				0	0	0	
electric shower	8			34.4	0	0	
immersion heater	4			17.2	0	0	**17.2**
air source heat pump	14			60.2	0	0	**60.2**
				0	0	0	**0**
x=kitchen ring, y=utility ring, z=other rings up n down	6	6	7	25.8	25.8	30.1	**48.16**
				0	0	0	
							188.73