

## CONVERSION INFORMATION

(Delta T factors)

The outputs quoted in this publication are based on a Delta T of 50°C.  
To calculate other operating conditions, the following example should be applied:


**EXAMPLE:**


**Add flow water temperature (75°C) and the return water temperature (65°C) together (140°C), divide by two (70°C) and then subtract the room temperature (20°C).  
This will give you a Delta T factor of 50°C.**


	DEGREES CENTIGRADE					DEGREES FAHRENHEIT						
<b>Delta T factors in °C and °F other than 50°C (122°F), Exponent n = 1.3</b>	5°C	0.0501	30°C	0.5148	55°C	1.1319	10°F	0.0387	60°F	0.3975	110°F	0.8741
	10°C	0.1234	35°C	0.6290	60°C	1.2675	20°F	0.0953	70°F	0.4857	120°F	0.9787
	15°C	0.2091	40°C	0.7482	65°C	1.4065	30°F	0.1614	80°F	0.5778	130°F	1.0861
	20°C	0.3039	45°C	0.8720	70°C	1.5487	40°F	0.2346	90°F	0.6734	140°F	1.1959
	25°C	0.4061	50°C	1.0000	75°C	1.6940	50°F	0.3136	100°F	0.7722	150°F	1.3081

## WATER CONTENT AND DRY WEIGHTS

To calculate, take the water content or dry weight per metre, divide by 1,000 and multiply it by the length of the radiator shown in the catalogue.

	QUINN ROUND TOP Radiator Water Content					QUINN ROUND TOP Radiator Dry Weight						
	Height	320mm (12")	420mm (16")	520mm (20")	620mm (24")	720mm (28")	Height	320mm (12")	420mm (16")	520mm (20")	620mm (24")	720mm (28")
<b>LITRES/METRE</b>							<b>KG/METRE</b>					
Single Panel	–	4.16	4.98	5.80	6.90	Single Panel	–	8.38	10.54	12.70	13.70	
Single Convector	3.26	4.18	5.10	5.68	6.28	Single Convector	9.00	11.86	14.72	16.68	18.64	
Double Panel Plus	–	8.20	10.10	12.00	13.50	Double Panel Plus	–	20.00	23.90	27.80	33.70	
Double Convector	6.30	8.16	10.00	11.14	12.28	Double Convector	17.60	23.40	29.18	33.14	37.10	

	QUINN COMPACT Radiator Water Content					QUINN COMPACT Radiator Dry Weight						
	Height	300mm (12")	400mm (16")	500mm (20")	600mm (24")	700mm (28")	Height	300mm (12")	400mm (16")	500mm (20")	600mm (24")	700mm (28")
<b>LITRES/METRE</b>							<b>KG/METRE</b>					
Single Convector	1.81	2.24	2.67	3.10	3.53	Single Convector	15.40	16.97	18.53	20.10	23.30	
Double Panel Plus	3.60	4.47	5.33	6.20	7.07	Double Panel Plus	15.50	20.57	25.63	30.70	35.77	
Double Convector	3.50	4.37	5.23	6.10	7.00	Double Convector	19.00	25.60	32.20	38.80	45.07	

	QUINN LST Radiator Water Content				QUINN LST Radiator Dry Weight					
	Cover Height	420mm (16")	520mm (20")	620mm (24")	720mm (28")	Height	420mm (16")	520mm (20")	620mm (24")	720mm (28")
<b>LITRES/METRE</b>						<b>KG/METRE</b>				
Single Convector	2.59	3.31	4.04	4.50	Single Convector	16.24	20.40	24.57	28.03	
Double Convector	5.00	6.47	7.93	8.83	Double Convector	24.56	30.76	37.44	42.08	