

Case study 205

Concrete Batching

A batch plant is a device that combines various ingredients to form concrete. Due to recent freezing weather conditions the concrete batching process was affected. This was because the low temperature of process water was causing quality issues with the ready mixed concrete.

Andrews Boiler Hire was contacted to provide a cost effective and energy efficient solution for a total period of eight weeks. Andrews Boiler Hire provided a 100kW packaged boiler complete with temporary pipework, booster pump and heat exchanger in order to maintain batching production on site.

The 100kW site container boilers were supplied with a complete fuel management system where the fuel level was monitored and then supplied when required. During the batching process water was heated via the heat exchanger to the required temperature and then pumped to the batching plant.

Thanks to Andrews Boilers the site remained operational throughout the hire. When the project was completed the client placed a further three orders at construction sites throughout the UK. Andrews Boilers provide a complete rental service for all our clients that require hot water and heating.



Heat output 100kW 341,200 btu
Power supply 230 V 1 ph N+E 50 Hz Run 8 A
Noise level (max) 45 dBA @ 10 metres
Weight 980 kg
Fuel Consumption 14.4/21.5 kW
Dimension 2,030 x 1,310 x 1,780 mm
Fuel type Gas Oil (natural gas burner available)
Plug type BS4343 16 A

