

Warehouse load testing requires humidification hire

We were approached by a leading HVAC contractor seeking a temporary humidifier hire arrangement to assist with the testing of a newly installed air conditioning system. The contractor was looking to conduct a series of assessments under various parameters to ascertain how the client's building – a large packaging warehouse – would be affected by cooling equipment, and vice versa.

The preservation and presentation of any product is a crucial aspect of quality perception, which is why our customer was so insistent that rigorous analysis be carried out. Adhesives, foil, paper, labels and cardboard can all be impacted by fluctuating humidity, which is precisely what we were tasked with preventing.

Excessive humidity levels will cause an air conditioning system to have to work harder to reduce the temperature and in extreme circumstances, be largely ineffective. Air conditioning units can also be responsible for removing moisture from the air which means relative humidity could be reduced to below the ideal range of 50-55% in the case of a packaging company.

After liaising directly with both parties involved, it was decided that eight Century Series 4 humidifier units would be required on hire in order to carry out the necessary tests. The use of humidification equipment alongside the building's new air conditioning system allowed our client to determine the best humidification duty outputs depending on the indoor temperature. This process was crucial in ensuring that all goods manufactured on site could be formed and stored safely without suffering climate-induced impairments.



Duty Rated 20% rh. 25°C 1.8 l/h

Air flow (max) 500 m³/h

Power supply 230 V 1 ph 50 Hz Run 0.65 A

Noise level 57 dBA @ 3 metres

Weight 11 kg

Dimensions (L x W x H) 550 x 345 x 610 mm

Reservoir capacity 19.5 litres

Average power consumption 150 W/h

Control Integral humidistat



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