

Water-Cooled Chiller Breakdown

Project

A customer's 800kW HVAC water-cooled chiller failed due to an evaporator leak, causing 2 of the systems 4 compressors and the evaporator to be replaced on a 12 week lead time.



The customer called Cool Energy because the chiller managed a critical HVAC circuit cooling to a 12 storey City-based financial institution.

Speed was of paramount importance for their clients who needed their staff and equipment to be unaffected by any heat gains. Furthermore, the forecast for the next 12 weeks was for higher than normal ambient temperatures.

Equipment Supplied

A 850kW chiller - complete with 2 low noise Bitzer Screw compressors, run & standby 2,500litre/min pumps, 120m x 4" flexible water hose and 4" connections to a heat exchanger.



Cool Energy Solution

The Cool Energy rental engineer liaised with the customer and visited site within 4 hours to ensure that the correct connections, sufficient space and power was available.

The customer agreed to isolate their damaged chiller, cooling tower and utilize its power and water connections for the rental chiller in order to manage the problem quickly and safely.

Cool Energy delivered a 850kW chiller to site 48 hours later day and, along with 2 engineers, installed the chiller by connecting with 4" flexible hoses and a rental run & standby circulation pump set powered by the rental chiller.

Within 4 hours the customer was up and running.

The chiller was off-hired after 21 weeks following the repair and with minimal disruption to engineering and office personnel.



Call us free on 0800 169 3861 for an emergency visit or to order equipment fast.