

August 1, 2001

## A Baldor Standby Generator Saves One Poultry Producer from Disaster

Baldor's Pow'R Gard Diesel Liquid Cooled generators are intended for emergency operation when the main utility power is interrupted. Recently the power went out on a hot summer night at Billy and Karen Richmond's poultry ranch near Tamaha, Oklahoma. The Richmond Ranch contains four poultry houses containing 23,000 birds each.

Returning late from a July 4<sup>th</sup> fireworks display Billy and his family did not notice that some of the rural pole lights along the way were not burning. However, as they approached their home, they did notice that their yard light was not on and for a moment panic reigned as they thought about the hot night and the flock in their houses. With outside temperature in the low nineties, losing birds can start happening quickly if ventilation becomes less than adequate.



*Karen, son Colt and  
Border Collie General J.E.B. Stuart (aka JEB)*

Losing 3 week old, perfectly healthy birds to suffocation was not a thought they could live with as they raced to the houses. Then, a sound that made them stop in their tracks could be heard on this dark clear hot night. It was the gentle hum of a motor running and the sound of ventilation fans whirring at a speed that sounded normal.

Connected to a Baldor model DLC100 (100kW) the Automatic Transfer Switch (ATS) logic sensed a voltage drop in the main utility supply and gave the command to start the standby generator. Within 5 seconds the generator was



*DLC100 connected to Baldor 400 amp ATS*

producing the necessary power to maintain normal operations in each of the 4 houses. Not a single bird was lost during the 3-hour power outage. The unit powered down automatically when utility power was restored.

The Richmond Ranch has a properly sized Baldor generator located on a pad near the utility pole (between house 2 and 3) and wired to an Automatic Transfer Switch. They installed their generator and ATS in a newly built semi-enclosed shed with the diesel engine exhaust vented to the open side of the shed. A freestanding diesel tank already in use at the farm supplies fuel.

Karen said, "Modern poultry houses demand 24/7 electric power to meet all the needs of rapidly growing birds—— most notably ventilation and appropriate temperature. Our Baldor DLC generator protects our investment of time and money by ensuring a reliable power supply."

Poultry and other confinement house producers all over this region are making plans to have this same kind of "peace-of-mind" when normal utility power is interrupted. They know that losses can sometimes far outweigh the cost of standby power generation. For the Richmond family it was a good business decision to make this investment.



*Richmond Ranch standby generator installation*

Contact the Baldor District Office near you for information on how your customers can have "peace-of-mind".

*Dean Van Riper, Baldor Corporate Sales, supplied the text and photographs for this story. Karen Richmond is a Senior Programmer in Baldor's Information Services Department.*

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