

COPELAND ZB COMPRESSORS

Blueberry farm opts for Copeland's compressors for high efficiency and reliability



The ZB220 Copeland Compressors were the efficient, reliable and low-start-up solution that Polaris Agriculture needed.

Client background

Polaris Agriculture is one of the major exporters of blueberries to the Middle East and Europe. Located in Glenforest, Zimbabwe, Polaris currently exports 300 tons of berries annually, grown on 50 hectares of land. Polaris wanted to find a sustainable way to increase the land utilized to reach an export volume of 900 tons of blueberries per year.

The challenge

To produce and sell blueberries at market quality, they need to be stored/carried at a very specific optimum temperature of 0°C (-0.5°C/+0.5°C) and an optimum humidity that rests between 90-95%.

Berries, just like any other temperature-sensitive perishable, require consistent refrigeration capabilities, but the farm's location in Glendale often faces power supply shortages, especially as it is in an outlying area of the country's capital, Harare. If not handled properly, these shortages may cause a whole harvest season to go to waste.

The solution

Due to the farm's remote location, the power supply is one of the major challenges facing growers. With that in mind, Natural Air and HC Heat Exchanges needed to find a solution that best tackles these power outage problems—the ZB220 Copeland compressors from Copeland. So far, four units have been installed on the farm and are already meeting its demands. The ZB220 Copeland Compressors were the efficient, reliable and low-start-up solution that Polaris Agriculture needed.

The result

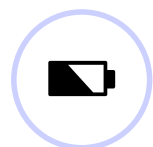
Technical support



Energy efficiency



Low start requirements



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