

APPLICATION OF WRITTEN-POLE MOTOR IN RURAL IRRIGATION

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Field experience with a 30-hp single-phase motor used for irrigation on a Georgia dairy farm. This report gives the results of a wastewater irrigation application a 30 horsepower, single-phase, written-pole motor designed and fabricated by Precise Power Corporation. The installation is one of several demonstration sites chosen by EPRI to evaluate and document field operating experience.

A description of the application is followed by information on performance and user perception. Possible alternative solutions are examined along with cost analysis.