

# B. W. SINCLAIR INC.

BULK MATERIAL HANDLING

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## APPLICATIONS INFORMATION

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### TYPICAL CONSTANT TORQUE SPEED RANGE CURVES - PREMIUM EFFICIENT MOTORS

This motor performance graph represents the maximum continuous capability of a premium efficiency motor when operated with an A-C drive. These guidelines are conservative and are based on full rated conditions (*i.e.*, full HP requirements operating continually in a 40° C. ambient).

When operated by an adjustable speed device at low speeds, the motor cooling action will be reduced. Specific applications may experience horsepower shortages as well, since at 60 Hz and below, torque is constant, but horsepower variable.

