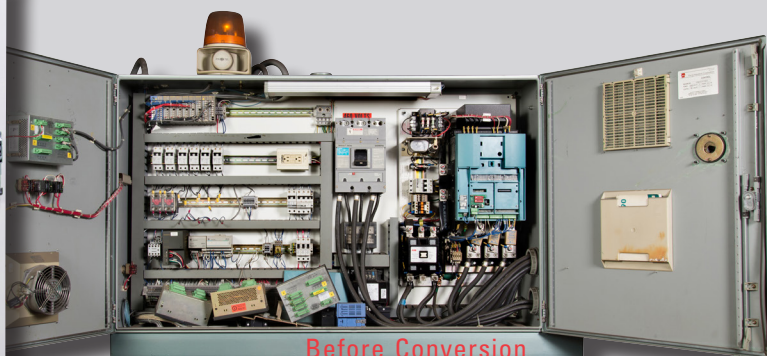




DAVIS-STANDARD®

Where your ideas take shape.



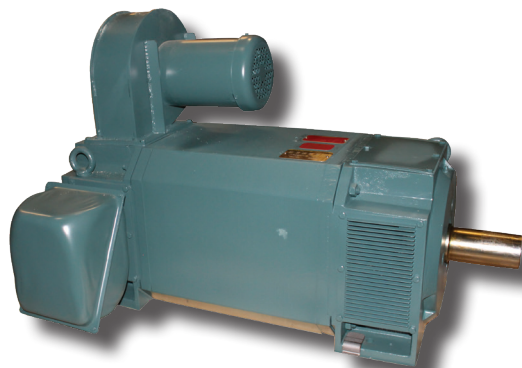
EXTRUSION TECHNICAL SERVICES

ETS AC Conversion Pack

Overview

When it comes to operational efficiency, AC drives and motors offer significant advantages in terms of power savings, ease of maintenance, and long-term reliability. Davis-Standard's DC to AC conversion packages are priced to provide a timely return on investment, while improving machine performance. These packages are available for all extruder brands. Find out how our ETS AC Conversion Pack can improve your machinery operation.

Available in 20 hp to 500 hp packages



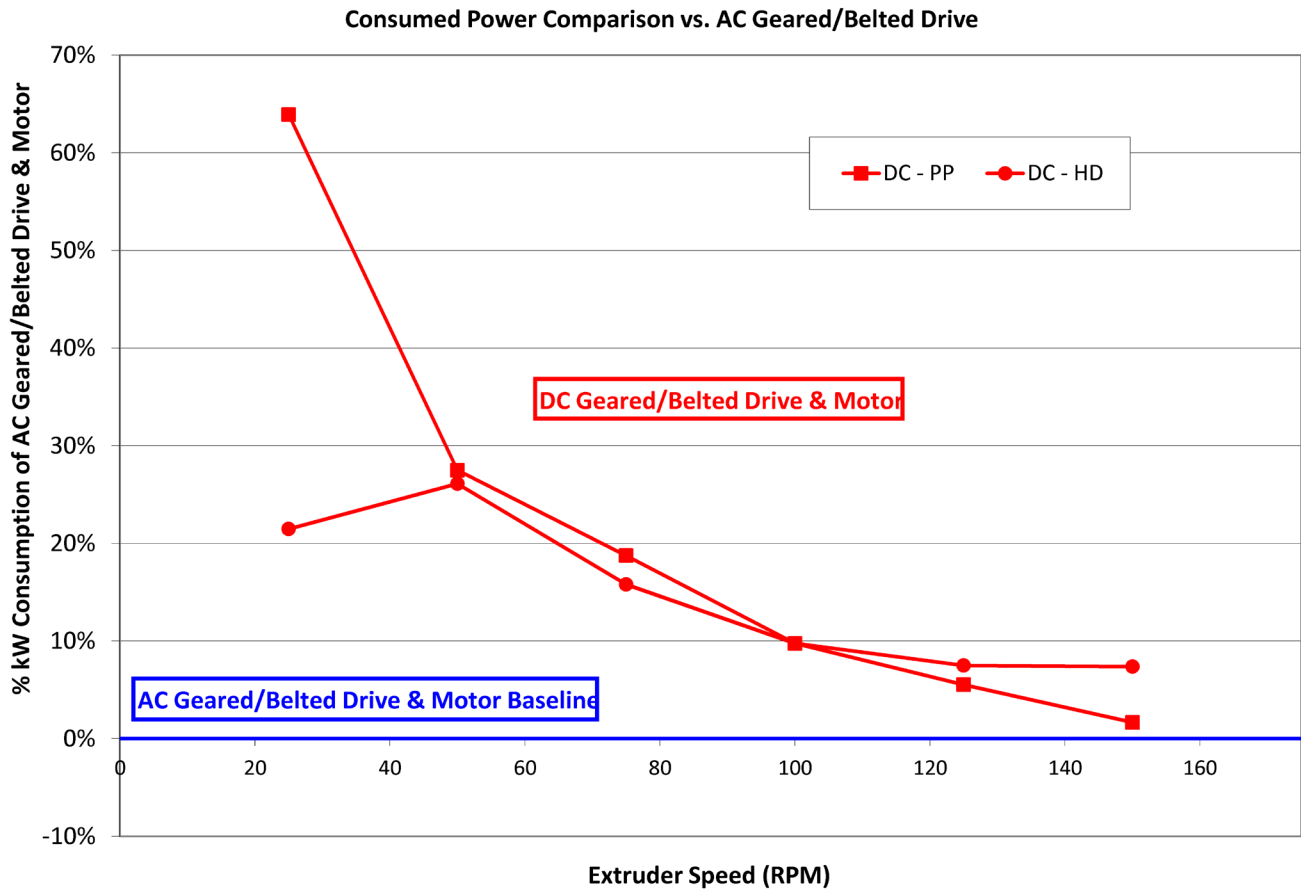
Features

- Smaller, lighter and less expensive than DC motors
- Energy efficient design
- Conventional, low-cost, three-phase AC induction technology
- Minimal maintenance and improved accessibility
- Better suited for high speed operations (over 2500 rpm)
- Motor enclosures available for unique operating environments (wet, corrosive, explosive)
- Greater durability for varied application loads for prolonged periods
- Return on investment in two to three years in energy savings alone*

*Some states and power companies offer immediate investment returns.

davis-standard.com

ETS AC Conversion Pack



DC ENERGY CONSUMPTION vs EXTRUDER SPEED

NORMALIZED vs AC DRIVE SYSTEM

In operating range, a 100 RPM, DC system consumes 5 to 15% MORE power than an AC system.

This chart details the results of AC and DC motor trials in our Davis-Standard technical center. Trials were run on a 2 1/2-inch (64 mm) 30:1 smooth bore extruder.

The DC and AC motors and drives were installed on the 2 1/2-inch machine. The same extrusion screw timing was used to run HDPE 0.3 MI and PP 20 MFR materials. A fluke power analyzer was used to record and capture the power data.