ABB industrial drives
ACS880-07, cabinet-built single drives, 60 to 3000 hp (45 to 2800 kW)

The ACS880-07 is part of ABB’s new all-compatible drives portfolio. The drives are compatible with virtually all types of AC motors, automation systems, users and business requirements.
The innovation behind all-compatibility is ABB’s common drives architecture, designed to simplify operation, optimize energy efficiency and maximize output.

Simplifying your world without limiting your possibilities
The ACS880-07 cabinet-built single drive is compatible with a broad range of industries. Typical applications include conveyors, kilns, extruders, pumps and fans. The drive configuration contains a rectifier, DC link and an inverter, all built into a compact cabinet. Built-to-order to meet customers’ needs, the drive can meet any technical challenge partly through its built-in array of options. The features and options include extended I/O, fieldbus options, du/dt filtering, EMC filtering, a brake resistor, fuses and a main switch. Induction motors, synchronous motors and induction servo motors are all supported as standard, without any additional software. The drive can control them in either open loop or closed loop, through its high precision motor control platform, direct torque control (DTC). Built-in safety features reduce the need for external safety components. The drive supports the programming environment based on IEC 61131-3.

Learn it once, use it everywhere
The common drives architecture features the same control panel, parameter menu structure, universal accessories and engineering tools. The control panel is equipped with an intuitive and high-resolution control display that enables easy navigation. Many flexible data visualizations including bar charts, histograms and trend graphs help users to analyze processes, with assistants available to simplify setup. The menus and messages are customizable for the specific terminology of different applications. An integrated USB port allows easy connection to PC tool - Drive composer, which offers fast and harmonized startup, commissioning and monitoring. The built-in energy calculators, including used and saved kWh, CO2 reduction and money saved, help the user fine-tune processes to ensure optimal energy use. The energy optimizer control mode ensures the maximum torque per ampere, reducing energy drawn from the supply. The drive also offers built-in service features.

For more information please contact your local ABB representative or visit:

www.abb.com/drives
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