ABB industrial drives
ACS880-07, cabinet-built single drives, 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.
Technical data

Voltage and power range
3-phase, 380 to 690 V +10/-10%
45 to 2800 kW

Frequency
50/60 Hz ±5%

Mains choke
Standard (built-in)

Degree of protection
IP22, IP42, IP54 (UL type 12)

Ambient temperature
0 to +50 °C, (>40 °C with derating)

Compliance
CE; EAC/GOST, UL, cUL, CSA, C-Tick

Safety
(TÜV Nord certified)
Safe torque off (STO), safe stop 1 (SS1), safe stop emergency (SSE), safely-limited speed (SLS), safe brake control (SBC), safe maximum speed (SMS) and prevention of unexpected startup (POUS)

EMC
According to IEC 61800-3, class C3 and C2 as a internal option

Control connections
Two analog inputs, two analog outputs, six digital inputs including thermistor input, two digital inputs/outputs, three relay outputs, drive interlock input, drive-to-drive link (or Modbus RTU), safe torque off (STO), external 24 V DC supply input, memory unit connection, USB via control panel

Control and communication options

Fieldbus adapter modules
PROFIBUS DP, DeviceNet™, CANopen, EtherNet/IP™, Modbus TCP/IP, PROFINET IO, EtherCAT®, Modbus RTU, PowerLink, ControlNet

I/O extension modules
FI0-01: four digital inputs/outputs, two relay outputs
FI0-11: three analog inputs, one analog output, two digital inputs/outputs
FDCC-01, FDCC-02: DDCS communication options

Feedback modules
TTL pulse encoder, HTL pulse encoder, absolute encoder, resolver

PC tools
Drive composer entry
Drive composer pro

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

www.abb.com/drives
www.abb.com/drivespartners