

Frequency inverters



Tapflo proudly announces that we broaden our offer with **frequency inverters**. ACS355 series frequency inverters are manufactured by ABB – leader of the drive system market. Top quality and high functionality are found as the main advantages of these devices.

Frequency inverters offered by Tapflo are available in two standards:

1. Frequency inverter to be installed by the customer;
2. Frequency inverter pre-installed in a cabinet including control system.

Key features of frequency inverters:

- Exceptionally compact devices and uniform design
- Operating text panel with assistants, 16 languages available
- Quick and easy commissioning with pre-configured application macros
- Extension and fieldbus modules available
- Instructions and catalogs in multiple languages available
- **Tapflo internal technical support available**

Key functions of frequency inverters:

- Built-in dry-run protection for centrifugal pumps
- Two built-in PID controllers for simple pressure or flow control without external controllers
- Safe torque-off function (SIL3) as standard
- Built-on C3 EMC filter and brake chopper
- Sensorless vector control
- 150% overload capacity

Product code:

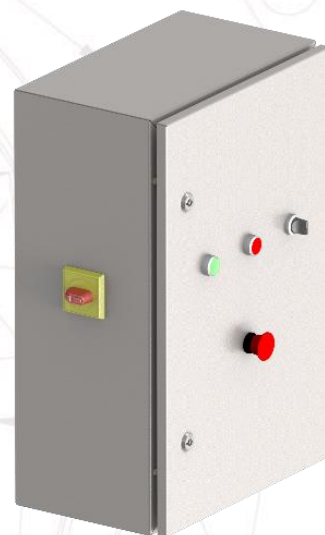
ACS355T - 003
1 2

1. Frequency inverter series (ACS355T as standard unit)
2. Motor power
 - 003 – 0,37 kW
 - ...
 - 220 – 22,0 kW
 Frequency inverter for higher motor power – on request

Example: ACS355T-003 is standard frequency inverter for 0,37 kW motor.

Control cabinets with built-in frequency inverters:

- Cabinet made of stainless steel (grinded AISI304) or painted carbon steel (RAL7035)
- Cable glands made of stainless steel or polyamide
- **ACS355T frequency inverter included**
- Main switch - padlockable in OFF position for service purpose
- Miniature circuit breaker protecting the supply lines
- Start and stop pushbuttons and potentiometer to control the motor
- Emergency stop pushbutton connected to safe torque-off inputs
- Thermistor connection (option)
- Inverter configuration according to customers guidelines



Product code:

CPS - ACS355T - 003 - PTC
1 2 3 4

1. Cabinet version
 - CPS – stainless steel cabinet with stainless steel cable glands
 - CPI – painted steel cabinet with polyamide cable glands
2. Frequency inverter series (ACS355T as standard unit)
3. Motor power
 - 003 – 0,37 kW
 - ...
 - 220 – 22,0 kW
 Control cabinet for higher motor power – on request
4. Options
 - no option
 - PTC – PTC connection option

Example: CPS-ACS355T-110-PTC is a stainless steel control cabinet with built-in standard frequency inverter for 11,0 kW motor, with PTC connection option.

Options available on request:

- **High protection class (IP66/NEMA 4X) with additional options:**
 - Cable glands kit (IP69k according to DIN40050-9)
 - **Built-in padlockable input switch**
 - Pressure compensation valve
- Fieldbus modules
 - Modbus RTU
 - Modbus TCP/IP
 - Profibus DP
 - etc.
- Extensions modules
 - Encoder feedback module
 - Relay outputs module
 - Auxiliary 24V DC power module
- NEMA 1 version
- Additional chokes and filters
- Panel mounting kits
- Special control cabinet executions
- Other ABB inverters series
- Frequency inverters by other manufacturers

