

**Addendum to ACH550-UH User's Manual Rev G (3AUA0000004092)
ACS550-U1 User's Manual Rev F (3AUA0000001609)**

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Changes in ACS550 v3.13B Software:

Removed

Group 01 OPERATING DATA

Parameter Code 0151 – INPUT KWH (R)

Parameter Code 0152 – INPUT MWH

Added

Group 01 OPERATING DATA

Parameter Code 0174 – SAVED KWH, resolution 0.1 kwh

Energy saved in kwh is compared to the energy used when a centrifugal pump or fan is connected directly to the supply. Can be reset with parameter 4509 ENERGY RESET.

Parameter Code 0175 – SAVED MWH, resolution 1 mwh

Energy saved in mwh is compared to the energy used when a centrifugal pump or fan is connected directly to the supply. Can be reset with parameter 4509 ENERGY RESET.

Parameter Code 0176 – SAVED AMOUNT 1, resolution 0.1

Energy saved in local currency. To find the total saved energy in currency units add the value of parameter 0177, multiplied by 1000, to the value of parameter 0176. Local energy price is set with parameter 4502 ENERGY PRICE. Can be reset with parameter 4509 ENERGY RESET.

Parameter Code 0177 – SAVED AMOUNT 2, resolution 1

Energy saved in local currency in thousands of currency units. For example if parameter 0177 displays a value of 5 this is equivalent to 5000 currency units. Local energy price is set with parameter 4502 ENERGY PRICE. Can be reset with parameter 4509 ENERGY RESET.

Parameter Code 0178 – SAVED CO2, resolution 0.1

Reduction of carbon dioxide emissions in tons. CO2 conversion factor is set with parameter 4507 CO2 CONV FACTOR. Can be reset with parameter 4509 ENERGY RESET.

See reverse side for more information

**Addendum to ACH550-UH User's Manual Rev G (3AUA0000004092)
ACS550-U1 User's Manual Rev F (3AUA00000001609)**

Group 45 ENERGY SAVINGS

Parameter Code 4502 – ENERGY PRICE, resolution 0.1, default 0, range 0.00...655.35

Price of energy per kwh. Used for reference when energy savings are calculated. See parameters 0174 SAVED KWH, 0175, SAVED MWH, 0176 SAVED AMOUNT 1, 0177 SAVED AMOUNT 2 and 0178 SAVED CO2.

Parameter Code 4507 – CO2 CONV FACTOR, resolution 0.1, default 0.5, range 0.00...6553.5

Conversion factor for multiplying the saved energy in MWh to calculate the value of parameter 0178 SAVED CO2.

Parameter Code 4508 – PUMP POWER, resolution 0.1%, default 100.0%, range 0.0...1000%

Pump power when connected directly to supply. Pump power in percent of nominal motor power. Used for reference when energy savings are calculated. See parameters 0174 SAVED KWH, 0175, SAVED MWH, 0176 SAVED AMOUNT 1, 0177 SAVED AMOUNT 2 and 0178 SAVED CO2.

Parameter Code 4509 – ENERGY RESET

Resets energy calculators 0174 SAVED KWH, 0175, SAVED MWH, 0176 SAVED AMOUNT 1, 0177 SAVED AMOUNT 2 and 0178 SAVED CO2.

Group 99 START-UP DATA

Parameter Code 9915 – MOTOR COSPHI, default 0, range 0.01...0.97

Motor Cosine PHI improves drive performance when connected to high efficiency motors.

Changed

Parameter Codes 1501 AO1 CONTENT SEL, 1507 AO2 CONTENT SEL, 3201 SUPERV 1 PARAM, 3204 SUPERV 2 PARAM, 3207 SUPERV 3 PARAM, 3401 SIGNAL 1 PARM, 3408 SIGNAL 2 PARAM, 3415 SIGNAL 3 PARAM were changed to include signals 174 SAVED KWH, 175, SAVED MWH, 176 SAVED AMOUNT 1, 177 SAVED AMOUNT 2 and 178 SAVED CO2

Parameter Code 2606 – SWITCHING FREQ was changed to include 2kHz,

See reverse side for more information