

# Product data sheet

Specifications



variable speed drive, Altivar Process  
ATV900, ATV950, 30kW, 40hp, 380  
to 480V, IP55, UL type 12

ATV950D30N4U

**Product availability: Non-Stock - Not normally stocked in  
distribution facility**

## Main

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product                               | Altivar Process ATV900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Specific Application                   | Process for industrial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product or Component Type                      | Variable speed drive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Variant                                        | Standard version<br>With braking chopper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Device Application                             | Industrial Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product destination                            | Synchronous motors<br>Asynchronous motors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Phase                                          | 3 phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mounting Mode                                  | Wall mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Continuous output current                      | 61.5 A 4 kHz normal duty<br>46.3 A 4 kHz heavy duty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Communication Port Protocol                    | EtherNet/IP<br>Modbus TCP<br>Modbus serial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| option module                                  | Slot A communication module Profibus DP V1<br>Slot A communication module PROFINET<br>Slot A communication module DeviceNet<br>Slot A communication module EtherCAT<br>Slot A communication module CANopen daisy chain RJ45<br>Slot A communication module CANopen SUB-D 9<br>Slot A communication module CANopen screw terminals<br>Slot A/slot B/slot C digital and analog I/O extension module<br>Slot A/slot B/slot C output relay extension module<br>Slot B 5/12 V digital encoder interface module<br>Slot B analog encoder interface module<br>Slot B resolver encoder interface module<br>communication module Ethernet Powerlink |
| [Us] rated supply voltage                      | 380...480 V - 15...10 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Us] rated supply voltage                      | 380...480 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Relative symmetric mains voltage tolerance     | 10 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Relative symmetric network frequency tolerance | 5 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| nominal output current                         | 61.5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Motor power kW                                 | 30.0 kW normal duty<br>22.0 kW heavy duty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EMC filter                                     | Integrated<br>With EMC plate option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| IP degree of protection                        | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Degree of protection                           | UL type 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

# Complementary

|                        |                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical connection  | Control screw terminal 0.5...1.5 mm² AWG 20...AWG 16<br>Line side screw terminal 25...50 mm² AWG 4...AWG 1<br>Motor screw terminal 25...50 mm² AWG 4...AWG 1<br>DC bus screw terminal 25...50 mm² AWG 4...AWG 1                                                                                                                                     |
| Transmission Rate      | 10/100 Mbit/s Ethernet IP/Modbus TCP<br>4.8, 9.6, 19.2, 38.4 kbit/s Modbus serial                                                                                                                                                                                                                                                                   |
| Exchange mode          | Half duplex, full duplex, autonegotiation Ethernet IP/Modbus TCP                                                                                                                                                                                                                                                                                    |
| Data format            | 8 bits, configurable odd, even or no parity Modbus serial                                                                                                                                                                                                                                                                                           |
| Type of polarization   | No impedance Modbus serial                                                                                                                                                                                                                                                                                                                          |
| Number of addresses    | 1...247 Modbus serial                                                                                                                                                                                                                                                                                                                               |
| Supply                 | External supply for digital inputs 24 V DC 19...30 V), <1.25 mA overload and short-circuit protection<br>Internal supply for reference potentiometer (1 to 10 kOhm) 10.5 V DC +/- 5 %, <10 mA overload and short-circuit protection<br>Internal supply for digital inputs and STO 24 V DC 21...27 V), <200 mA overload and short-circuit protection |
| Local signalling       | Local diagnostic: 3 LED (mono/dual colour)<br>Embedded communication status: 5 LED (dual colour)<br>Communication module status: 2 LED (dual colour)<br>Presence of voltage: 1 LED (red)                                                                                                                                                            |
| Input compatibility    | DI1...DI8 discrete input level 1 PLC IEC 61131-2<br>DI7, DI8 pulse input level 1 PLC IEC 65A-68<br>STOA, STOB discrete input level 1 PLC IEC 61131-2                                                                                                                                                                                                |
| Discrete input logic   | Positive logic (source) DI1...DI8), < 5 V, > 11 V<br>Negative logic (sink) DI1...DI8), > 16 V, < 10 V<br>Positive logic (source) DI7, DI8), < 0.6 V, > 2.5 V<br>Positive logic (source) STOA, STOB), < 5 V, > 11 V                                                                                                                                  |
| Sampling duration      | 2 ms +/- 0.5 ms DI1...DI8) - discrete input<br>5 ms +/- 1 ms DI7, DI8) - pulse input<br>1 ms +/- 1 ms AI1, AI2, AI3) - analog input<br>5 ms +/- 1 ms AQ1, AQ2) - analog output                                                                                                                                                                      |
| Accuracy               | +/- 0.6 % AI1, AI2, AI3 for a temperature variation 60 °C analog input<br>+/- 1 % AQ1, AQ2 for a temperature variation 60 °C analog output                                                                                                                                                                                                          |
| Linearity error        | AI1, AI2, AI3 +/- 0.15 % of maximum value analog input<br>AQ1, AQ2 +/- 0.2 % analog output                                                                                                                                                                                                                                                          |
| Refresh time           | Relay output R1, R2, R3)5 ms +/- 0.5 ms)                                                                                                                                                                                                                                                                                                            |
| Isolation              | Between power and control terminals                                                                                                                                                                                                                                                                                                                 |
| Discrete input number  | 10                                                                                                                                                                                                                                                                                                                                                  |
| Discrete input type    | DI1...DI8 programmable, 24 V DC <= 30 V)3.5 kOhm<br>DI7, DI8 programmable as pulse input 0...30 kHz, 24 V DC <= 30 V)<br>STOA, STOB safe torque off, 24 V DC <= 30 V)> 2.2 kOhm                                                                                                                                                                     |
| Discrete input logic   | 16 preset speeds                                                                                                                                                                                                                                                                                                                                    |
| Discrete output number | 2                                                                                                                                                                                                                                                                                                                                                   |
| Discrete output type   | Logic output DQ+ 0...1 kHz <= 30 V DC 100 mA<br>Programmable as pulse output DQ+ 0...30 kHz <= 30 V DC 20 mA<br>Logic output DQ- 0...1 kHz <= 30 V DC 100 mA                                                                                                                                                                                        |
| Analogue input number  | 3                                                                                                                                                                                                                                                                                                                                                   |
| Analogue input type    | AI1, AI2, AI3 software-configurable voltage 0...10 V DC 30 kOhm 12 bits<br>AI1, AI2, AI3 software-configurable current 0...20 mA/4...20 mA 250 Ohm 12 bits                                                                                                                                                                                          |
| Analogue output number | 2                                                                                                                                                                                                                                                                                                                                                   |
| Analogue output type   | Software-configurable voltage AQ1, AQ2 0...10 V DC 470 Ohm 10 bits<br>Software-configurable current AQ1, AQ2 0...20 mA 500 Ohm 10 bits                                                                                                                                                                                                              |
| Relay output number    | 3                                                                                                                                                                                                                                                                                                                                                   |

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Relay output type</b>                   | Configurable relay logic R1 fault relay NO/NC 100000 cycles<br>Configurable relay logic R2 sequence relay NO 1000000 cycles<br>Configurable relay logic R3 sequence relay NO 1000000 cycles                                                                                                                                                                                                                                                                                                  |
| <b>Maximum switching current</b>           | Relay output R1 resistive, cos phi = 1 3 A 250 V AC<br>Relay output R1 resistive, cos phi = 1 3 A 30 V DC<br>Relay output R1 inductive, cos phi = 0.4 7 ms 2 A 250 V AC<br>Relay output R1 inductive, cos phi = 0.4 7 ms 2 A 30 V DC<br>Relay output R2, R3 resistive, cos phi = 1 5 A 250 V AC<br>Relay output R2, R3 resistive, cos phi = 1 5 A 30 V DC<br>Relay output R2, R3 inductive, cos phi = 0.4 7 ms 2 A 250 V AC<br>Relay output R2, R3 inductive, cos phi = 0.4 7 ms 2 A 30 V DC |
| <b>Minimum switching current</b>           | Relay output R1, R2, R3 5 mA 24 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Physical interface</b>                  | Ethernet<br>2-wire RS 485                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Connector Type</b>                      | 2 RJ45<br>1 RJ45                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Method of access</b>                    | Slave Modbus TCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Transmission Rate</b>                   | 10, 100 Mbits<br>4.8 kbps<br>9600 bit/s<br>19200 bit/s                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Transmission frame</b>                  | RTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Number of addresses</b>                 | 1...247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Data format</b>                         | 8 bits, configurable odd, even or no parity                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Type of polarization</b>                | No impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>4 quadrant operation possible</b>       | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Asynchronous motor control profile</b>  | Variable torque standard<br>Constant torque standard<br>Optimized torque mode                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synchronous motor control profile</b>   | Permanent magnet motor<br>Synchronous reluctance motor                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Maximum output frequency</b>            | 599 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Acceleration and deceleration ramps</b> | Linear adjustable separately from 0.01...9999 s                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Motor slip compensation</b>             | Automatic whatever the load<br>Not available in permanent magnet motor law<br>Can be suppressed<br>Adjustable                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Switching frequency</b>                 | 2...16 kHz adjustable<br>4...16 kHz with derating factor                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Nominal switching frequency</b>         | 4 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Braking to standstill</b>               | By DC injection                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Brake chopper integrated</b>            | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Line current</b>                        | 53.3 A 380 V normal duty)<br>40.5 A 380 V heavy duty)<br>45.9 A 480 V normal duty)<br>35.8 A 480 V heavy duty)                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Maximum Input Current per Phase</b>     | 53.3 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Maximum output voltage</b>              | 480.0 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Apparent power</b>                      | 29.8 kVA 480 V heavy duty)<br>38.2 kVA 480 V normal duty)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Maximum transient current</b>           | 73.8 A 60 s normal duty)<br>69.5 A 60 s heavy duty)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Network Frequency</b>                   | 50-60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prospective line Isc                                 | 50 kA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Base load current at high overload                   | 46.3 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Base load current at low overload                    | 61.5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| With safety function Safely Limited Speed (SLS)      | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| With safety function Safe brake management (SBC/SBT) | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| With safety function Safe Operating Stop (SOS)       | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| With safety function Safe Position (SP)              | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| With safety function Safe programmable logic         | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| With safety function Safe Speed Monitor (SSM)        | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| With safety function Safe Stop 1 (SS1)               | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| With sft fct Safe Stop 2 (SS2)                       | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| With safety function Safe torque off (STO)           | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| With safety function Safely Limited Position (SLP)   | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| With safety function Safe Direction (SDI)            | False                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protection type                                      | Thermal protection motor<br>Safe torque off motor<br>Motor phase break motor<br>Thermal protection drive<br>Safe torque off drive<br>Overheating drive<br>Overcurrent between output phases and earth drive<br>Overload of output voltage drive<br>Short-circuit protection drive<br>Motor phase break drive<br>Overvoltages on the DC bus drive<br>Line supply overvoltage drive<br>Line supply undervoltage drive<br>Line supply phase loss drive<br>Overspeed drive<br>Break on the control circuit drive |
| Quantity per Set                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Width                                                | 11.4 in (290 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Height                                               | 35.8 in (910 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Depth                                                | 13.4 in (340 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Net Weight                                           | 110.2 lb(US) (50 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Environment

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Insulation resistance                 | > 1 MOhm 500 V DC for 1 minute to earth                                                                             |
| Noise level                           | 69.7 dB 86/188/EEC                                                                                                  |
| Vibration resistance                  | 1.5 mm peak to peak (f= 2...13 Hz) conforming to IEC 60068-2-6<br>1 gn (f= 13...200 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 15 gn 11 ms IEC 60068-2-27                                                                                          |
| Environmental characteristic          | Chemical pollution resistance class 3C3 IEC 60721-3-3<br>Dust pollution resistance class 3S3 IEC 60721-3-3          |
| Relative humidity                     | 5...95 % without condensation IEC 60068-2-3                                                                         |
| Ambient air temperature for operation | 5...104 °F (-15...40 °C) (without derating)<br>104...122 °F (40...50 °C) (with derating factor)                     |
| Operating altitude                    | <= 3280.84 ft (1000 m) without derating<br>1000...4800 m with current derating 1 % per 100 m                        |

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating position                                               | Vertical +/- 10 degree                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product Certifications                                           | DNV-GL<br>TÜV<br>ABS<br>ATEX INERIS<br>CSA<br>UL<br>Bureau Veritas                                                                                                                                                                                                                                                                                                                                                               |
| Marking                                                          | CE                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Standards                                                        | UL 508C<br>IEC 61800-3<br>IEC 61800-5-1<br>IEC 61000-3-12<br>IEC 60721-3<br>IEC 61508<br>IEC 13849-1                                                                                                                                                                                                                                                                                                                             |
| Maximum THDI                                                     | <48 % from 80...100 % of load IEC 61000-3-12                                                                                                                                                                                                                                                                                                                                                                                     |
| Assembly style                                                   | Enclosed                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electromagnetic compatibility                                    | Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2<br>Radiated radio-frequency electromagnetic field immunity test level 3 conforming to IEC 61000-4-3<br>Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4<br>1.2/50 µs - 8/20 µs surge immunity test level 3 conforming to IEC 61000-4-5<br>Conducted radio-frequency immunity test level 3 conforming to IEC 61000-4-6 |
| Environmental class (during operation)                           | Class 3C3 according to IEC 60721-3-3<br>Class 3S3 according to IEC 60721-3-3                                                                                                                                                                                                                                                                                                                                                     |
| Maximum acceleration under shock impact (during operation)       | 150 m/s² at 11 ms                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum acceleration under vibrational stress (during operation) | 10 m/s² at 13...200 Hz                                                                                                                                                                                                                                                                                                                                                                                                           |
| Maximum deflection under vibratory load (during operation)       | 1.5 mm at 2...13 Hz                                                                                                                                                                                                                                                                                                                                                                                                              |
| Permitted relative humidity (during operation)                   | Class 3K5 according to EN 60721-3                                                                                                                                                                                                                                                                                                                                                                                                |
| Overvoltage category                                             | III                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Regulation loop                                                  | Adjustable PID regulator                                                                                                                                                                                                                                                                                                                                                                                                         |
| Noise level                                                      | 69.7 dB                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pollution degree                                                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Ambient air transport temperature                                | -40...158 °F (-40...70 °C)                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ambient Air Temperature for Storage                              | -40...158 °F (-40...70 °C)                                                                                                                                                                                                                                                                                                                                                                                                       |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1CP4E22278  |
| Discount Schedule | CP4E          |
| GTIN              | 3606481284327 |
| Returnability     | Yes           |
| Country of origin | CN            |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Nbr. of units in pkg.  | 1                 |
| Package 1 Height       | 24.4 in (62.0 cm) |
| Package 1 Width        | 16.5 in (42.0 cm) |

|                     |                        |
|---------------------|------------------------|
| Package 1 Length    | 41.3 in (105.0 cm)     |
| Package weight(Lbs) | 121.3 lb(US) (55.0 kg) |

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint                        |                                               |
|------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 25774                                         |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                          |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| SCIP Number                            | 5fb596ba-e321-43d4-bd6d-9f75a221228c                                                                                                                                                                                                                                                        |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

| Energy efficiency                                  |     |
|----------------------------------------------------|-----|
| Product contributes to saved and avoided emissions | Yes |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                | No                                                                                                                                                                                                               |
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |