



## Altivar 320W: Washable drive for harsh environment



IP66



Options

### Power and Voltage Range:

- 0.18kW - 2.2kW, 200/240V 1Ph
- 0.37kW - 7.5kW, 380/500V 3Ph



IP65

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### Superior performance

- Ability to run async, sync & PM motors
- 150% overload for 60 sec (HD)
- Better dynamic response in open loop
- Built in controller for simple logic
- Built in hoisting function with brake logic
- Traverse function for textile application
- Built in braking unit

### Robust Design

- Washable drives equipped with high Ingress Protection IP66/65
- No external fan

### Integrated Communication

- Single port compatible with CANopen and Modbus Serial line

### Integrated Safety Functions

- Safety STO (up to SIL3 / PLe), SS1, SLS, SMS, GDL)

### Standards and certifications

- IEC 61800-5-1, IEC 61800-3 (environments 1 and 2, category C2), UL 508C, EN 954-1 category 3, ISO/EN 13849-1/- 2 category 3 (PL e), IEC 61508 (parts 1 & 2) SIL 2 level, draft standard EN 50495E IEC 60721-3-3, classes 3C3 and 3S2
- CE, UL, CSA, RCM, EAC, ATEX

### What's IP value mean?

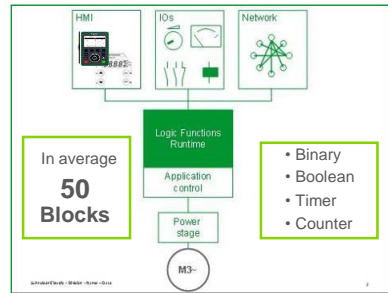
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1<sup>st</sup> digit:  
Solid particle protection from 1- 6, **6**: Totally protected against dust ingress.

2<sup>nd</sup> digit: Liquid ingress protection from 1-7, **5**: Protected against low pressure water jets from any direction. **6**: Protected against high pressure water jets from any direction.

### ATV Logic



### More communication options



## Targeted applications

### Food and Beverage

- Dairy, Grain & Cereals, Confectionary etc

### Textile, Ceramics, pulp & paper

- Pump, Fan, Mixer & Conveyors etc
- Hoisting, LT/CT in harsh environment place

### Material handling in harsh environment

- Car parking
- Airport bag handling conveyor

### Provides a degree of protection against the following environmental conditions

- Incidental contact with the enclosed equipment
- Falling dirt
- Dripping and light splashing of non-corrosive liquids
- Circulating dust, lint, fibers, and flyings
- Settling airborne dust, lint, fibers, and flyings
- Windblown dust
- Hose down and splashing water
- Corrosive agents



DAIRY



BEVERAGES AND BREWING



GRAIN, CEREALS



BAKED GOODS & CONFECTIONERY



MIXER



PUMPING