



Example image only.

Vacuumator™ pumps are the most compact efficient and reliable pumps available for vacuum wastewater systems. Jets™ Edge S01D Vacuumator™ pump is designed for optimal performance in more demanding installations with high water-to-air ratios and increased discharge back pressure.

## Features:

- Small physical footprint and low weight allows quick and flexible installation
- In line installation - direct discharge to sewer, STP (Sewage Treatment Plant) or collecting tank
- Multiphase design - pumps combinations of air, black and grey water
- Low energy consumption
- High quality – extended pump life

## Technical Data



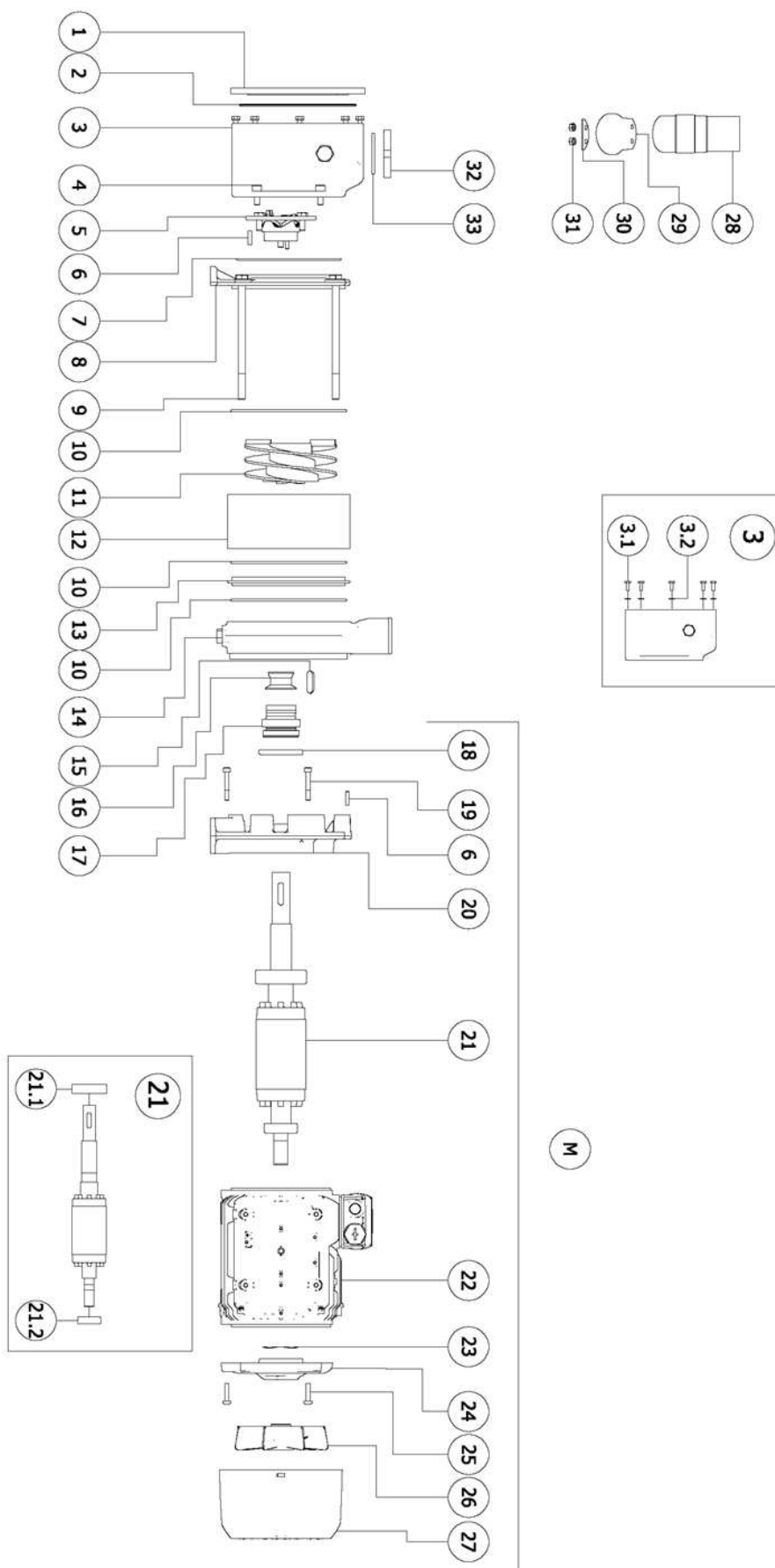
|                                |                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------|
| Capacity.....                  | 10 m³/h (ACMH) at 500 mbar abs. 50 Hz<br>14 m³/h (ACMH) at 500 mbar abs. 60 Hz<br>(50% Vacuum) |
| Back Pressure.....             | Max. 0.3 bar                                                                                   |
| Outside Dimensions.....        | 557 x 214 x 273 mm (LxWxH)                                                                     |
| Connection Inlet.....          | Ø 50 mm                                                                                        |
| Connection Outlet.....         | Ø 50 mm                                                                                        |
| Protection Class.....          | IP 55                                                                                          |
| Insulation Class.....          | 155(F) to 130(B)                                                                               |
| Duty.....                      | S1-100%                                                                                        |
| Ambient Temperature Range..... | +0 °C - 55 °C                                                                                  |
| Humidity.....                  | Class F / 95%                                                                                  |
| Net Weight.....                | 37.00 kg                                                                                       |

## Operating Data

|                       |                                       |
|-----------------------|---------------------------------------|
| Frequency.....        | 50 // 60 Hz                           |
| Voltage.....          | Y380-420/Δ220-240 // Y440-480/Δ N/A V |
| Nominal Current.....  | 4.7/8.2 // 4.55/ N/A A                |
| Speed.....            | CCW 2855 // 3450 rpm                  |
| Power Output.....     | 2.2 // 2.54 kW                        |
| Power Factor.....     | 0.85 // 0.86 cos φ                    |
| Efficiency.....       | 79.7 // 81.5%                         |
| Heat Dissipation..... | Approx. 0.6 kW                        |

## Disclaimer

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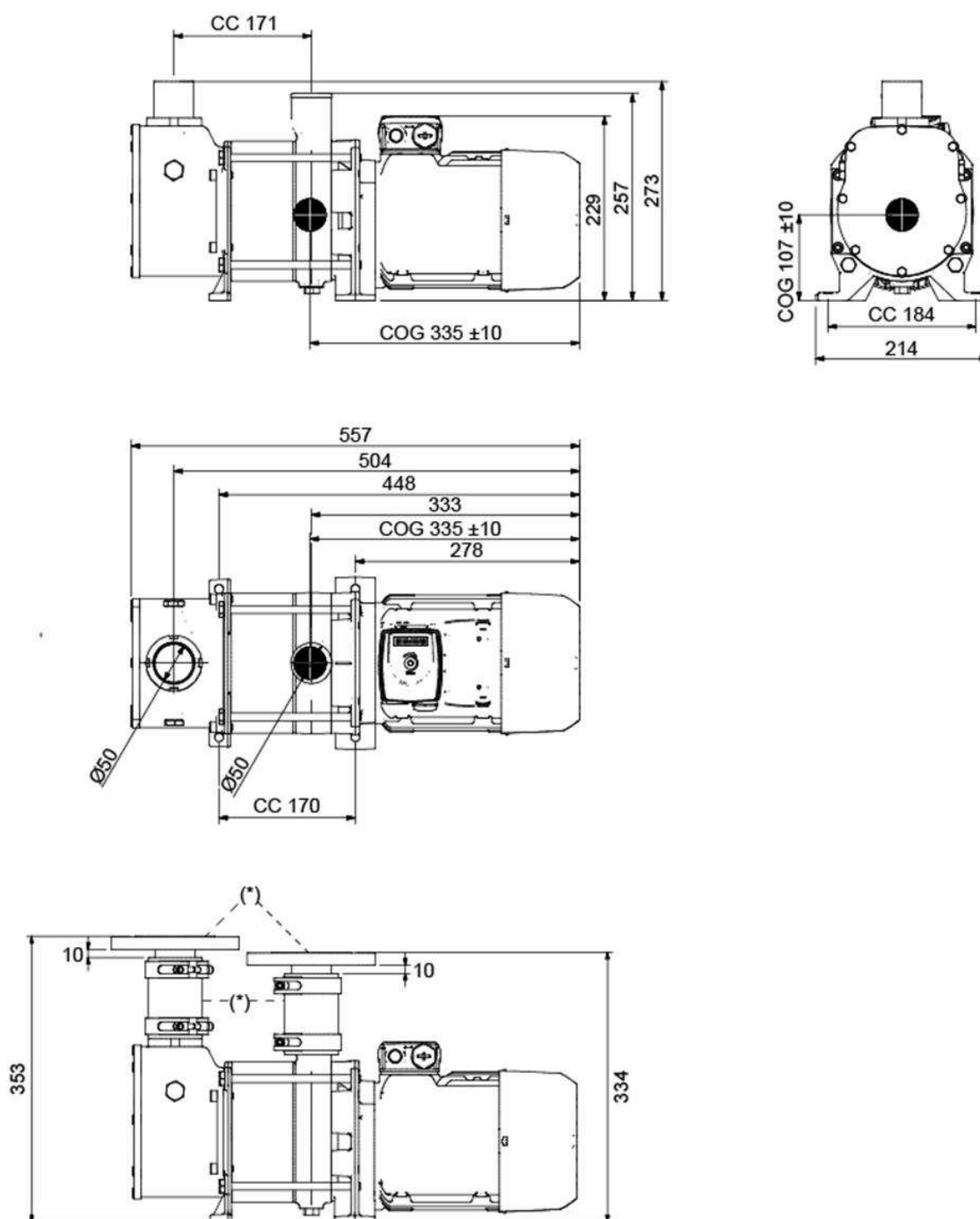
**Components**
*\* Component/s available as replacement parts.*

|    |                                                       |            |
|----|-------------------------------------------------------|------------|
| 1  | Cover .....                                           | 029150310* |
| 2  | O-ring .....                                          | 037219210* |
| 3  | Suction Chamber, Complete .....                       | 029150321* |
| 4  | Screw, M8x20 .....                                    | 036207620* |
| 5  | Macerator .....                                       | 029150450* |
| 6  | Split Sleeve, ø5x20mm .....                           | 020207800* |
| 7  | O-ring .....                                          | 037219220* |
| 8  | End Flange 15MB .....                                 | 029150601* |
| 9  | Screw, M10x170 .....                                  | 029152401* |
| 10 | O-ring .....                                          | 037219200* |
| 11 | Rotor .....                                           | 029150701* |
| 12 | Rotor Housing .....                                   | 029150800* |
| 13 | Flange .....                                          | 029150391* |
| 14 | Pressure Chamber w/plug .....                         | 029150903* |
| 15 | Key .....                                             | 021201800* |
| 16 | Spacer Sleeve .....                                   | 029151800* |
| 17 | Shaft Seal ø30mm .....                                | 038201501* |
| 18 | Sealing Ring .....                                    | 037219240* |
| 19 | Screw, M6x40 .....                                    | 036532016* |
| 20 | Motor Flange .....                                    | 031150253* |
| 21 | Shaft with Rotor and Ball Bearing .....               | 031150271* |
| 22 | Stator .....                                          | 031000311* |
|    | ■ 50 // 60 Hz ■ Y380-420/Δ220-240 // Y440-480/Δ N/A V |            |
| 23 | Spacer Sleeve .....                                   | 036291500* |
| 24 | Cover .....                                           | 031150231  |
| 25 | Screw, M6x25 .....                                    | 036532019* |
| 26 | Fan .....                                             | 031150211* |
| 27 | Fan Cover .....                                       | 031150221* |
| 28 | Flap valve .....                                      | 029151001* |
| 29 | Rubber Flap .....                                     | 037302200* |
| 30 | Plate for flap valve .....                            | 029151003* |
| 31 | Lock nut, M6 .....                                    | 036232920* |
| 32 | Nut for flap valve .....                              | 029151900* |
| 33 | O-ring .....                                          | 037219250* |

**Additional Components**

|      |                                                       |           |
|------|-------------------------------------------------------|-----------|
| 3.1  | Screw, M6x16 .....                                    | 036305000 |
| 3.2  | Washer, M6 .....                                      | 036304901 |
| 21.1 | Ball Bearing .....                                    | 038201710 |
| 21.2 | Ball Bearing .....                                    | 038201720 |
| M    | Motor .....                                           | 031001501 |
|      | ■ 50 // 60 Hz ■ Y380-420/Δ220-240 // Y440-480/Δ N/A V |           |
|      | Compensator, ø50mm w/Hose Clip .....                  | 034307100 |
|      | Flange w/connecting pipe DN50 .....                   | 029152100 |
|      | Macerator Alignment Tool 15MB/S .....                 | 816100117 |

## Dimension Drawings



- 1 meter vertical pipe on the Vacuumator™ pump outlet must be provided in order to avoid dry running of the pump.
- If pipe volume is less than 180 L it is recommended to install an accumulating tank close to the Vacuumator™ pump inlet.
- Measurements given in mm.
- (\*) Compensator and flange available as additional components.

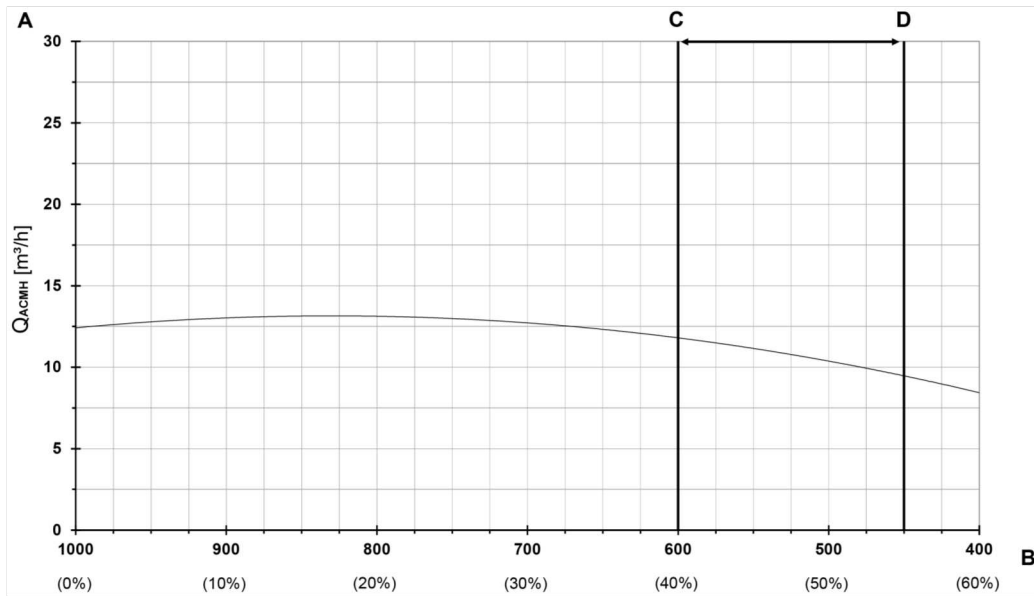
## Appendix: Capacity and Power Consumption Curves - JETS Edge S01D

### Capacity and Power Consumption Curves

Capacity curves represent performance under ideal conditions. The test method is modelled on the standard throughput method, as described in ISO21360-1.

Note: Back pressure will affect performance curves. Please contact Jets Vacuum AS if there are any questions regarding back pressure and pump performance for your installation.

#### Capacity 50Hz - 2 vol% liquid

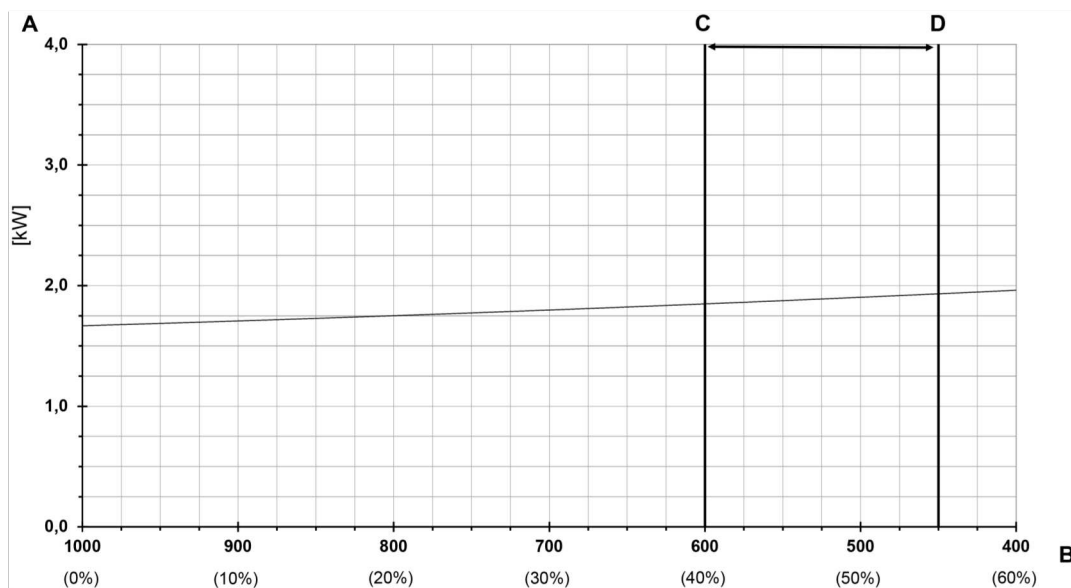


(A) Vertical axis [m³/h] - Actual cubic meters per hour

(B) Horizontal axis [mbar] - Absolute pressure (relative % below atmospheric pressure)

(C) - (D) Interval - Normal workload

#### Power Consumption 50Hz - 2 vol% liquid

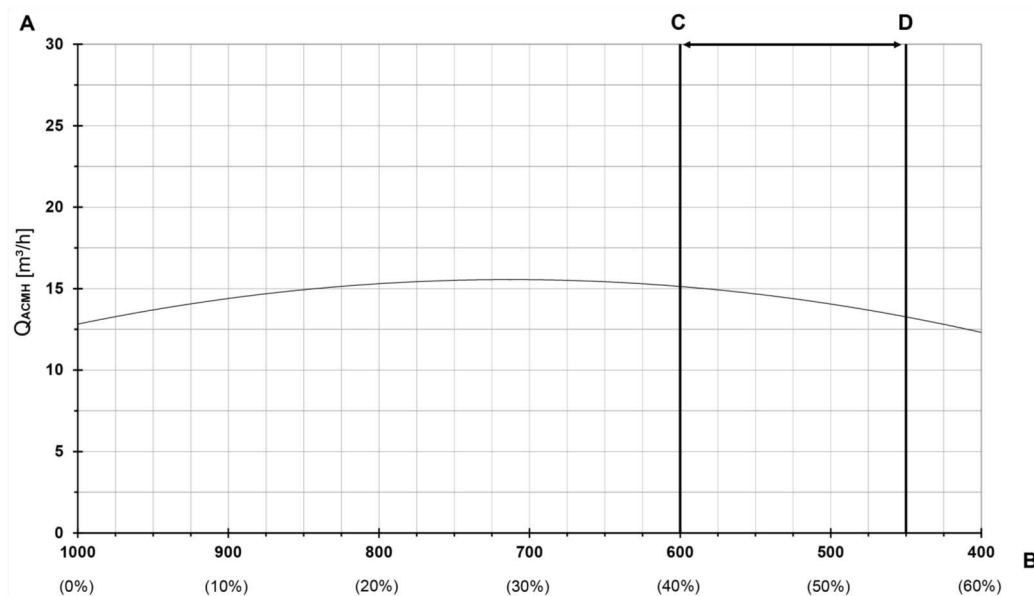


(A) Vertical axis [kW] - Power consumption

(B) Horizontal axis [mbar] - Absolute pressure (relative % below atmospheric pressure)

(C) - (D) Interval - Normal workload

**Capacity 60Hz - 2 vol% liquid**

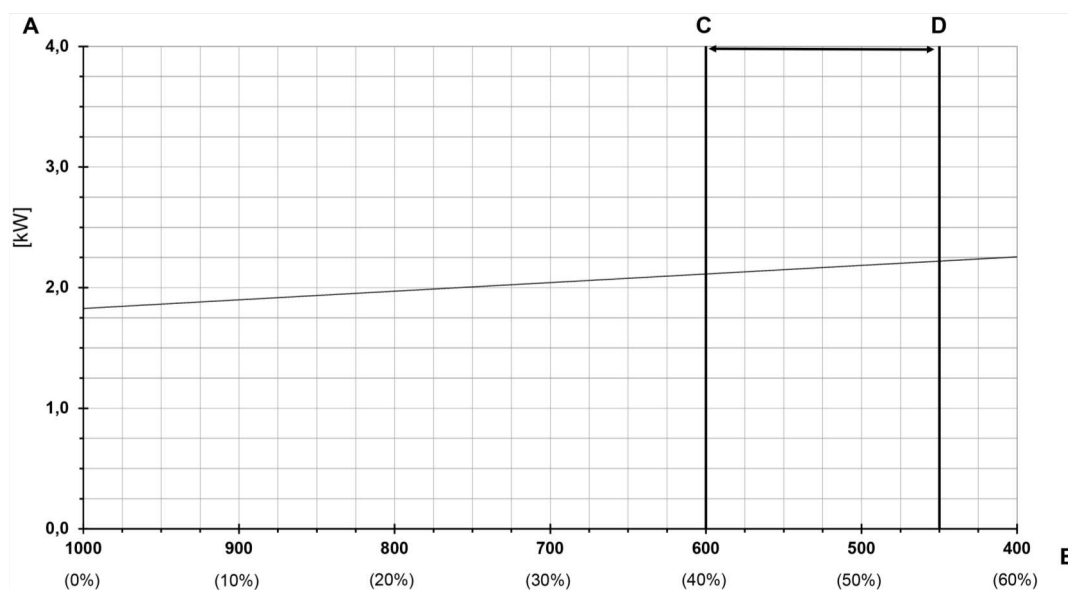


(A) Vertical axis [m³/h] - Actual cubic meters per hour

(B) Horizontal axis [mbar] - Absolute pressure (relative % below atmospheric pressure)

(C) - (D) Interval - Normal workload

**Power Consumption 60Hz - 2 vol% liquid**



(A) Vertical axis [kW] - Power consumption

(B) Horizontal axis [mbar] - Absolute pressure (relative % below atmospheric pressure)

(C) - (D) Interval - Normal workload